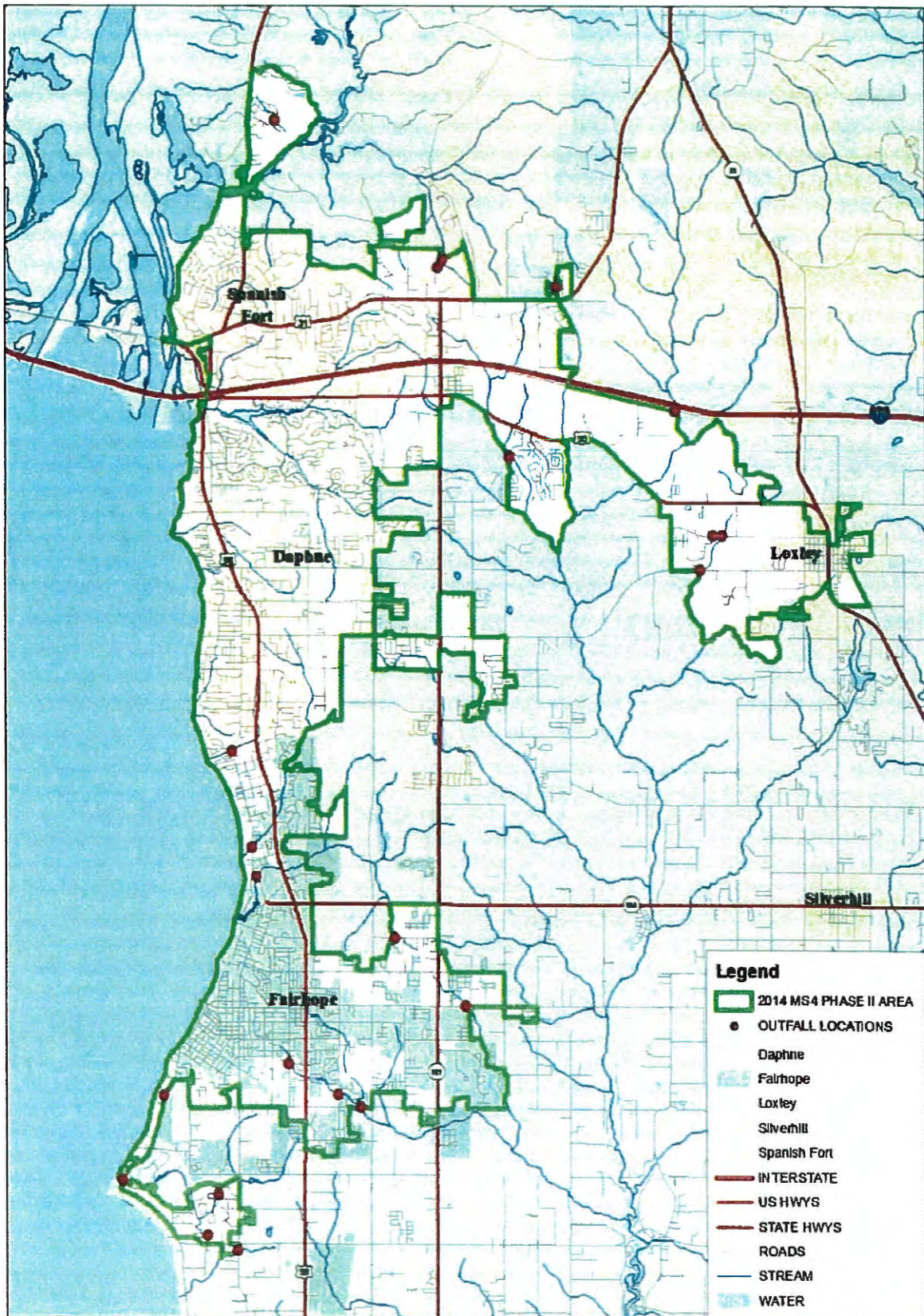


Appendix C

Illicit Discharge Detection And Elimination (IDDE)



Baldwin County MS4 Phase II Outfall Inventory



0 1 2 3 4 5 Miles

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



MS4 Discharge ID 01



MS4 Discharge ID 01-Three Mi. Cr. Rd. (2)



MS4 Discharge ID 01-Three Mi. Cr. Rd.

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed: <u>MOBILE / FISH RI.</u>		Outfall ID: <u>1</u>	
Today's date: <u>2/5/15</u>		Time (Military): <u>0940</u>	
Investigators: <u>W. MACKEL</u>		Form completed by: <u>W. MACKEL</u>	
Temperature (°F): <u>59</u>	Rainfall (in.): Last 24 hours: _____ Last 48 hours: _____		
Latitude: <u>30°39' 9.163"</u>	Longitude: <u>87°47' 7.875"</u>	GPS Unit: _____	GPS LMK #: _____
Camera: <input checked="" type="checkbox"/>		Photo #s: <u>1, 2</u>	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input checked="" type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known): <u>32" Ø R.C.P.</u>			
<u>PAVED DITCH INTO R.C.P. INLET END COVERED W/ DEBRIS; OUTLET END SUBMERGED</u>			

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 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> <u>UNABLE TO DETERMINE</u>	In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input checked="" type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
<input checked="" type="checkbox"/> Open drainage	<input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: <u>1'</u> Top Width: <u>8'</u> Bottom Width: <u>2'</u>	
<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	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

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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 checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/> Oily <input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input checked="" 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

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

1. REMOVE DEBRIS FROM INLET END
2. CHECK FLOW WHEN OUTLET END IS NOT SUBMERGED

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



ILLICIT DISCHARGE LOCATION CR 64- CORN BR. EAST OF HALL RD



MS4 Discharge ID 02



MS4 Discharge ID 02-CR 64 (2)



MS4 Discharge ID 02-CR 64

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed: <u>MOBILE / COAH BR.</u>		Outfall ID: <u>2</u>	
Today's date: <u>3/5/15</u>		Time (Military): <u>1040</u>	
Investigators: <u>K. MACKEY</u>		Form completed by: <u>K. MACKEY</u>	
Temperature (°F): <u>48</u>	Rainfall (in.): Last 24 hours: _____ Last 48 hours: _____		
Latitude: <u>30° 47' 5.875</u>	Longitude: <u>87° 47' 7.875</u>	GPS Unit: _____	GPS LMK #: _____
Camera: <u>✓</u>		Photo #s: <u>3, 4</u>	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input checked="" type="checkbox"/> Ultra-Urban Residential		<input checked="" type="checkbox"/> Institutional	
<input type="checkbox"/> Suburban Residential		Other: _____	
<input checked="" type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known): <u>(2) 66" 12'x7' R.C. BOX CULVERT</u>			

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 type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input checked="" type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input checked="" type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: <u>12' x 7'</u> <u>R.C. BOX CULVERT</u>	In Water: <input type="checkbox"/> No <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input checked="" 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 type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input type="checkbox"/> Flow	Flow depth	<u>24</u>	In	Tape measure
	Flow width	<u>24</u> ' _____"	Ft, In	Tape measure
	Measured length	<u>10</u> ' _____"	Ft, In	Tape measure
	Time of travel	<u>20</u>	S	Stop watch
Temperature		°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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 checked="" type="checkbox"/>	<input type="checkbox"/> Clear <input checked="" 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 checked="" type="checkbox"/>	See severity	<input type="checkbox"/> 1 – Slight cloudiness	<input type="checkbox"/> 2 – Cloudy	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	
Deposits/Stains	<input checked="" type="checkbox"/>	<input type="checkbox"/> Oily <input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input checked="" 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

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

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



MS4 Discharge ID 03



MS4 Discharge ID 03 Greeno Lane #2



MS4 Discharge ID 03 Greeno Lane

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed:		Outfall ID: <u>03</u>	
Today's date: <u>3-9-15</u>		Time (Military): <u>1027</u>	
Investigators: <u>Mike Sharp</u>		Form completed by: <u>Jeremy Howell</u>	
Temperature (°F):	Rainfall (in.): Last 24 hours:	Last 48 hours:	
Latitude: <u>30.3m 39.6720</u>	Longitude: <u>87.053m 24.9815</u>	GPS Unit:	GPS LMK #:
Camera:	Photo #: <u>11 + 12</u>		
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

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"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: <u>24"</u>	In Water: <input checked="" type="checkbox"/> No <input 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If No, Skip to Section 3</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	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

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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)

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?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow	<input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam		

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

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S

[illegible]

Legend
ILLUSTRATION LOCATIONS

-  **DISCHARGE**
 **SET CLAMP**
 **BRIDS**
 **CAUTION**
 **STOP**
 **NOT START**
 **US MOVES**
 **START MOVES**
 **GO DOWN**
 **ABNORMAL**
 **DRIVE 2nd RT**



MS4 Discharge ID 04



MS4 Discharge ID 04-Wasp Pl. (2)



MS4 Discharge ID 04-Wasp Pl.

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed: <u>MOBILE / PT. CLEAR CR.</u>		Outfall ID: <u>4</u>	
Today's date: <u>3/6/15</u>		Time (Military): <u>1315</u>	
Investigators: <u>W. MACKAY, D. THREATT</u>		Form completed by: <u>W. MACKAY</u>	
Temperature (°F): <u>78</u>	Rainfall (in.):	Last 24 hours:	Last 48 hours:
Latitude: <u>30°28'24.261</u>	Longitude: <u>87°34'38.997</u>	GPS Unit:	GPS LMK #:
Camera: <u>1</u>	Photo #s: <u>21, 22</u>		
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known): <u>INLET END COVERED W/ DARRIS</u>			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" 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>18"</u>	In Water: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input checked="" 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	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

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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)

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 checked="" type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input checked="" type="checkbox"/> Corrosion	
Deposits/Stains	<input checked="" type="checkbox"/>	<input type="checkbox"/> Oily <input checked="" type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other:	
Abnormal Vegetation	<input checked="" type="checkbox"/>	<input checked="" 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

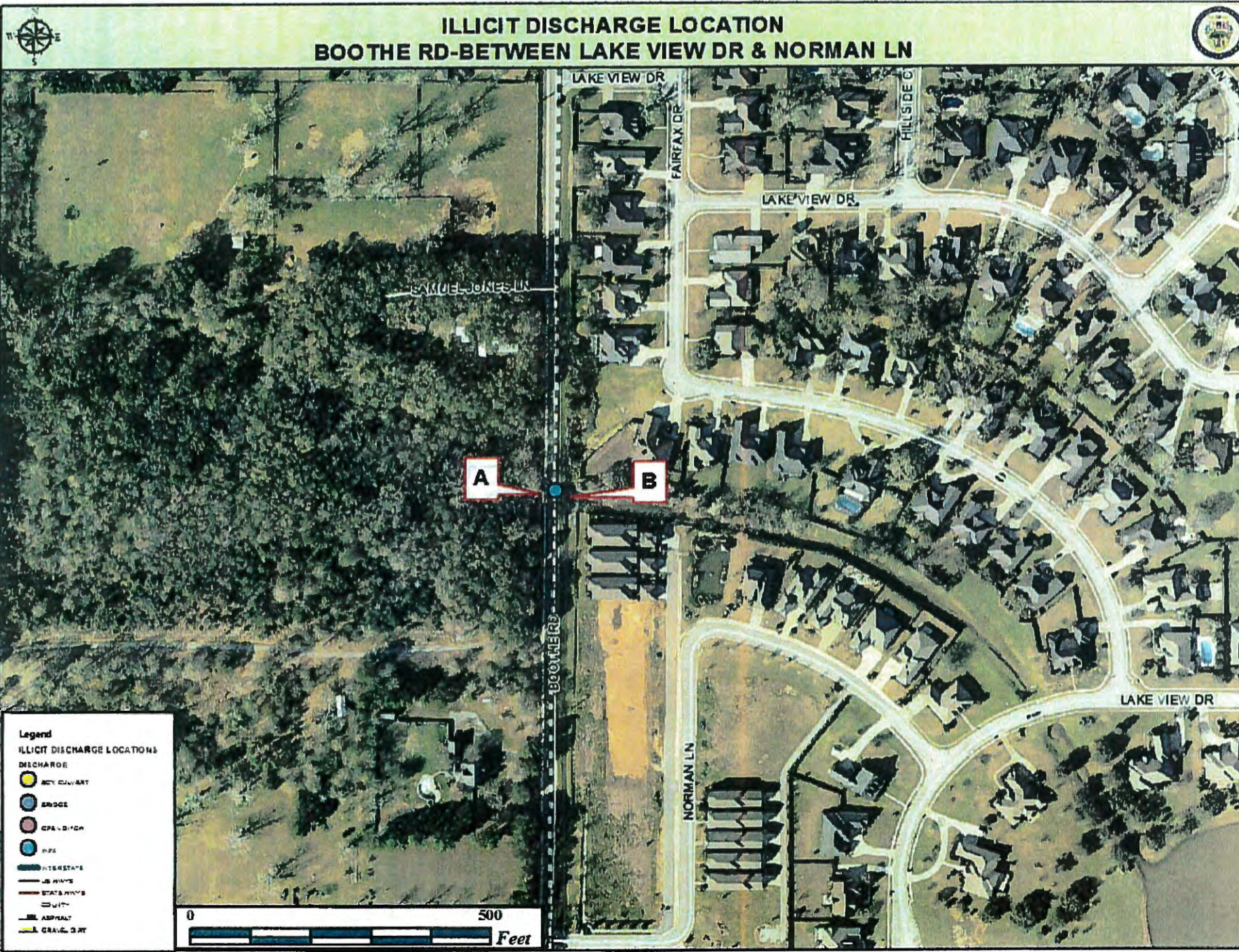
☐ Unlikely ☐ Potential (presence of two or more indicators) ☒ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

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

OUTFALL INVENTORY SCHEDULE					
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



MS4 Discharge ID 05



MS4 Discharge ID 05-Booth Rd. (2)



MS4 Discharge ID 05-Booth Rd.

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed: <u>MOBILE / COMPEN CR</u>		Outfall ID: <u>5</u>	
Today's date: <u>3/6/15</u>		Time (Military): <u>1100</u>	
Investigators: <u>W. HACKETT, D. THURATT</u>		Form completed by: <u>W. HACKETT</u>	
Temperature (°F): <u>55</u>	Rainfall (in.):	Last 24 hours:	Last 48 hours:
Latitude: <u>30° 30' 14.002</u>	Longitude: <u>87° 32' 59.695</u>	GPS Unit:	GPS LMK #:
Camera: <u>✓</u>	Photo #s: <u>13, 14</u>		
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input checked="" type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known): <u>36" 36" Ø CIP</u>			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" 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"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input checked="" type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: <u>36" Ø</u> In Water: <input checked="" type="checkbox"/> No <input 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 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	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

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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)

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 checked="" type="checkbox"/>	<input type="checkbox"/> Oily <input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input checked="" 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?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
2. If yes, collected from:	<input type="checkbox"/> Flow	<input type="checkbox"/> Pool	
3. Intermittent flow trap set?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

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

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S

MS4 Discharge ID 06



MS4 Discharge ID 06 Jimmy Faulkner Rd. #2



MS4 Discharge ID 06 Jimmy Faulkner Rd.

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed:		Outfall ID: <u>06</u>	
Today's date: <u>3-6-15</u>		Time (Military): <u>13:37</u>	
Investigators: <u>Mike Sharp</u>		Form completed by: <u>Jeremy Hume</u>	
Temperature (°F): <u>50</u>	Rainfall (in.): Last 24 hours:	Last 48 hours:	
Latitude: <u>30° 41' 6.6935</u>	Longitude: <u>87° 51' 5.6115</u>	GPS Unit:	GPS LMK #:
Camera:		Photo #: <u>3 & 4</u>	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input 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 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: _____ _____	In Water: <input 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 checked="" type="checkbox"/> Open drainage	<input checked="" 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 checked="" type="checkbox"/> Other: <u>Box Culvert</u>	Depth: <u>4 1/2</u> Top Width: <u>6 x 2</u> Bottom Width: <u>6 x 2</u>	
<input checked="" 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	Flow depth	<u>8"</u>	In	Tape measure
	Flow width	<u>10' 0"</u>	Ft, In	Tape measure
	Measured length	<u>10' 0"</u>	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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 checked="" 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

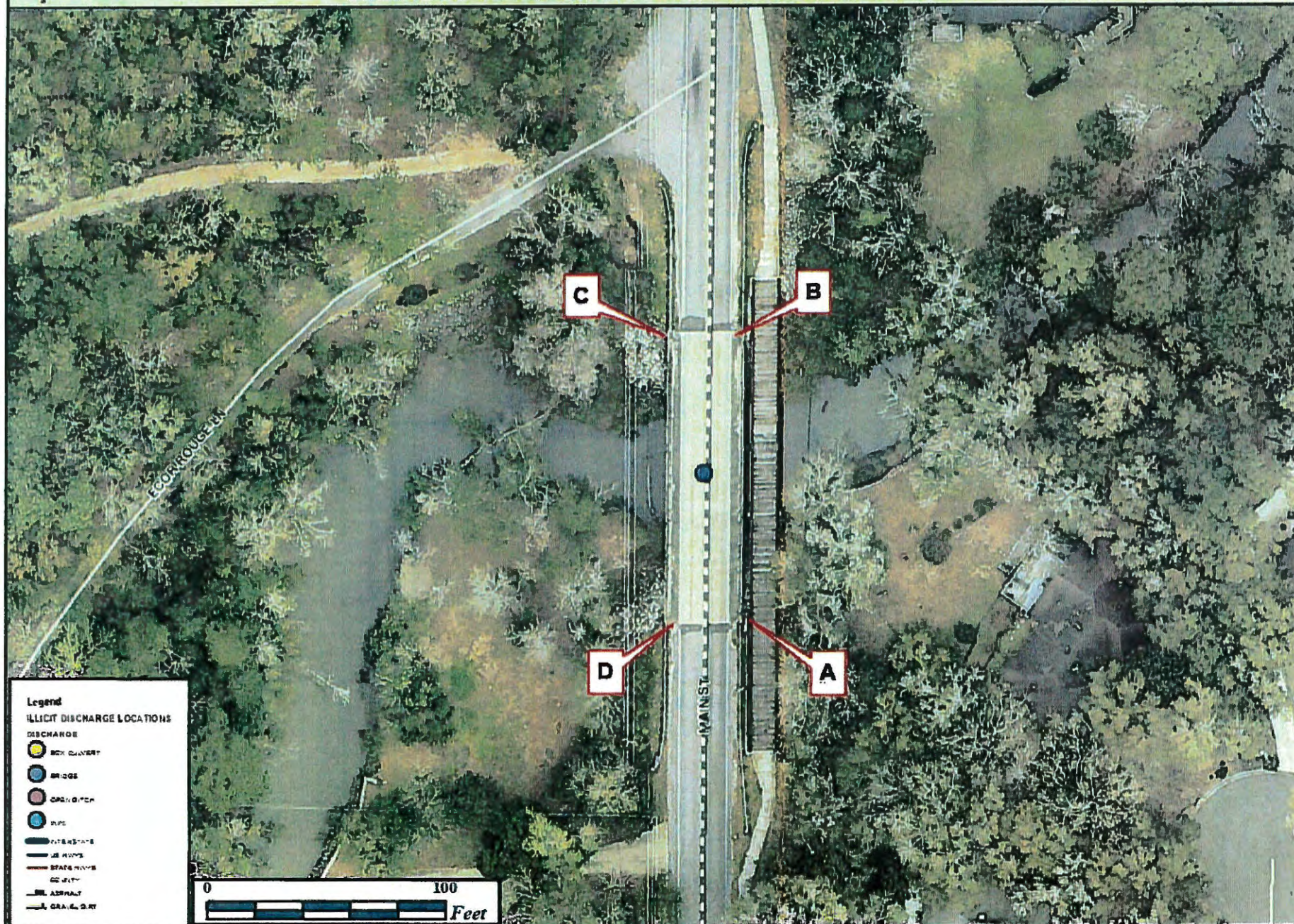
1. Sample for the lab?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow	<input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam		

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

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GUILLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



ILLICIT DISCHARGE LOCATION SCENIC 98- ROCK CRK. SOUTH OF ECOR ROUGE LN



MS4 Discharge ID 07



MS4 Discharge ID 07-Scenic 98 (2)



MS4 Discharge ID 07-Scenic 98

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed: <u>MOBILE / BACK CE</u>		Outfall ID: <u>7</u>	
Today's date: <u>3/2/15</u>		Time (Military): <u>1000</u>	
Investigators: <u>W. HACKETT / D. THURATT</u>		Form completed by: <u>W. HACKETT</u>	
Temperature (°F): <u>30</u>	Rainfall (in.): Last 24 hours: _____ Last 48 hours: _____		
Latitude: <u>30° 33' 29.932</u>	Longitude: <u>87° 53' 58.874</u>	GPS Unit: <u>4</u>	GPS LMK #: _____
Camera: <u>✓</u>	Photo #s: <u>7, 8</u>		
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known): <u>R.O. BRIDGE</u>			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input 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 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: _____ _____	In Water: <input 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 checked="" 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 type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input checked="" type="checkbox"/> Flow	Flow depth	<u>18</u>	In	Tape measure
	Flow width	<u>35</u> "	Ft, In	Tape measure
	Measured length	<u>10</u> "	Ft, In	Tape measure
	Time of travel	<u>10</u>	S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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 checked="" type="checkbox"/>	<input type="checkbox"/> Clear <input checked="" 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 checked="" type="checkbox"/> 2 – Clearly visible in sample bottle	<input type="checkbox"/> 3 – Clearly visible in outfall flow
Turbidity	<input checked="" type="checkbox"/>	See severity	<input type="checkbox"/> 1 – Slight cloudiness	<input checked="" 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input checked="" type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

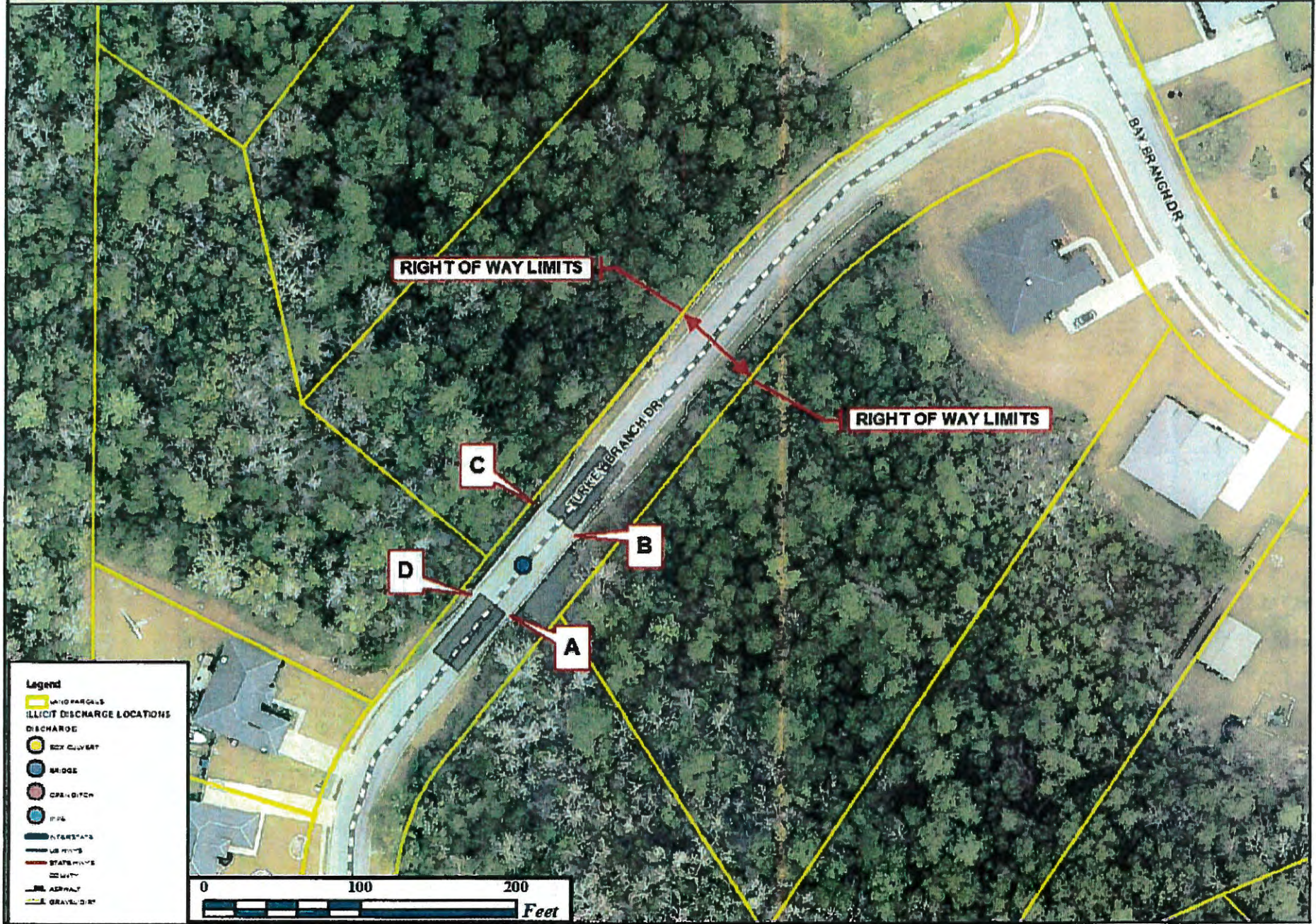
Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



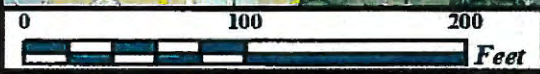
DISCHARGE ID 8

ILLICIT DISCHARGE LOCATION TURKEY BRANCH-TURKEY BRANCH DRIVE



Legend

- WATER PARCELS
- ILLICIT DISCHARGE LOCATIONS
- DISCHARGE
 - BOX CULVERT
 - BRIDGE
 - CATCH DITCH
 - PIPE
- INTERSTATE
- US ROUTE
- STATE ROUTE
- WATER
- ASPHALT
- GRAVEL/DIRT



MS4 Discharge ID 08



MS4 Discharge ID 08-Turkey Br. Dr. (2)



MS4 Discharge ID 08-Turkey Br. Dr.

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed: <u>MOBILE/TURKEY RR.</u>		Outfall ID: <u>8</u>	
Today's date: <u>3/9/15</u>		Time (Military): <u>1030</u>	
Investigators: <u>H. MACKAY, D. THURTELL</u>		Form completed by: <u>H. MACKAY</u>	
Temperature (°F): <u>54</u>	Rainfall (in.):	Last 24 hours:	Last 48 hours:
Latitude: <u>30° 58' 59.83</u>	Longitude: <u>87° 52' 3.334</u>	GPS Unit:	GPS LMK #:
Camera: <input checked="" type="checkbox"/>	Photo #s: <u>1, 2</u>		
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known): <u>68' R.C. BRIDGE</u>			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input 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 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: _____ _____	In Water: <input 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input type="checkbox"/> Flow	Flow depth	<u>24"</u>	In	Tape measure
	Flow width	<u>20'</u> _____"	Ft, In	Tape measure
	Measured length	<u>10'</u> _____"	Ft, In	Tape measure
	Time of travel	<u>4-5</u>	S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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 checked="" type="checkbox"/>	<input checked="" 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 checked="" 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?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow	<input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

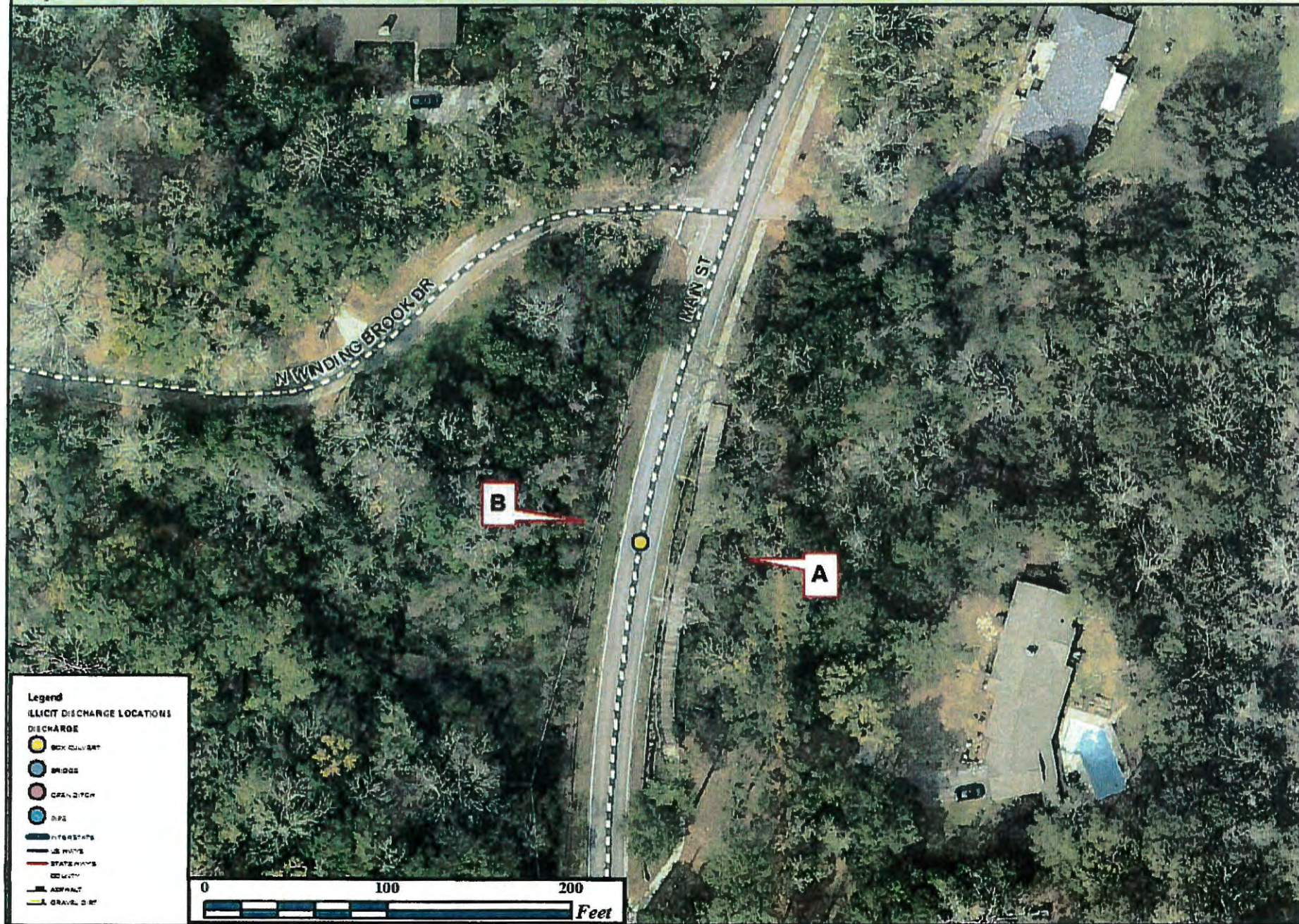
If Yes, type: ☐ OBM ☐ Caulk dam

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

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



ILLICIT DISCHARGE LOCATION SCENIC 98- RED GULLEY SOUTH OF N WINDING BROOK DR



MS4 Discharge ID 09



MS4 Discharge ID 09-Scenic 98 (2)



MS4 Discharge ID 09-Scenic 98

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed: <u>MOBILE / FORD GULLY</u>		Outfall ID: <u>9</u>	
Today's date: <u>8/6/15</u>		Time (Military): <u>0930</u>	
Investigators: <u>H. HUCKEY, D. THREATT</u>		Form completed by: <u>H. HUCKEY</u>	
Temperature (°F): <u>50°</u>	Rainfall (in.): Last 24 hours: _____ Last 48 hours: _____		
Latitude: <u>30°34'42.490</u>	Longitude: <u>87°59'17.512</u>	GPS Unit: _____	GPS LMK #: _____
Camera: <input checked="" type="checkbox"/>		Photo #: <u>5,6</u>	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known): <u>(2) 661 12'x6' R.C. BOX CULVERT</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 type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input checked="" type="checkbox"/> Double <input checked="" type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____ <input type="checkbox"/> Other: _____	Diameter/Dimensions: <u>12'x6'</u>	In Water: <input type="checkbox"/> No <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input checked="" 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 checked="" 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 type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input checked="" type="checkbox"/> Flow	Flow depth	<u>36</u>	In	Tape measure
	Flow width	<u>18</u> "	Ft, In	Tape measure
	Measured length	<u>10</u> "	Ft, In	Tape measure
	Time of travel	<u>10</u>	S	Stop watch
Temperature		°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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 checked="" type="checkbox"/>	<input checked="" 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 checked="" 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 checked="" type="checkbox"/>	See severity	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/> Oily <input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input checked="" 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input checked="" type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

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

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



ILLICIT DISCHARGE LOCATION SCENIC 98- FLY CRK. SOUTH OF SEA CLIFF DR



MS4 Discharge ID 10



MS4 Discharge ID 10-Scenic 98 (2)



MS4 Discharge ID 10-Scenic 98

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed: <u>MOBILE / FLY CR.</u>		Outfall ID: <u>10</u>	
Today's date: <u>8/2/15</u>		Time (Military): <u>1415</u>	
Investigators: <u>H. HAGKEY, D. THURATT</u>		Form completed by: <u>H. HAGKEY</u>	
Temperature (°F): <u>80</u>	Rainfall (in.): Last 24 hours: _____ Last 48 hours: _____		
Latitude: <u>30° 33' N</u>	Longitude: <u>87° 53' 53.091</u>	GPS Unit: _____	GPS LMK #: _____
Camera: <u>✓</u>	Photo #s: <u>9, 10</u>		
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known): <u>175' R.C. BRIDGE</u>			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input 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 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: _____ _____	In Water: <input 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 checked="" 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 type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input checked="" type="checkbox"/> Flow	Flow depth	<u>36</u>	In	Tape measure
	Flow width	<u>80</u> ' _____"	Ft, In	Tape measure
	Measured length	<u>14</u> ' _____"	Ft, In	Tape measure
	Time of travel	<u>14</u> 10	S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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 checked="" type="checkbox"/>	<input type="checkbox"/> Clear <input checked="" 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 checked="" 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 checked="" type="checkbox"/>	See severity	<input type="checkbox"/> 1 – Slight cloudiness	<input checked="" 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

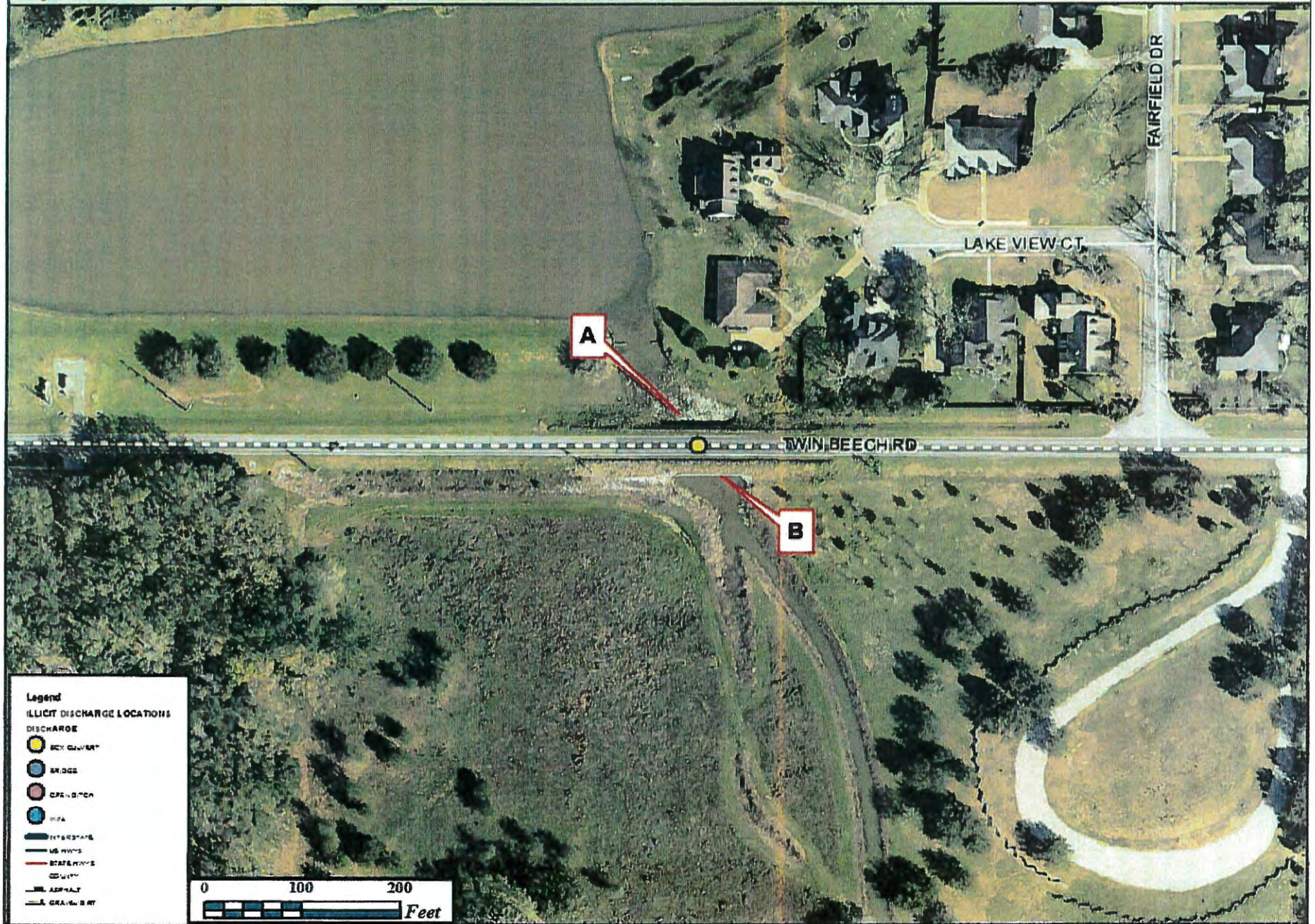
1. Sample for the lab?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

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

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



ILLCIT DISCHARGE LOCATION CR 44- COWPEN CRK. WEST OF FAIRFIELD DR



MS4 Discharge ID 11



MS4 Discharge ID 11-CR 44 (2)



MS4 Discharge ID 11-CR 44

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed: <u>MOBILE / COMBEN CR.</u>		Outfall ID: <u>11</u>	
Today's date: <u>3/4/13</u>		Time (Military): <u>1015</u>	
Investigators: <u>W. MCKEY, D. THURKITT</u>		Form completed by: <u>W. MCKEY</u>	
Temperature (°F): <u>34</u>	Rainfall (in.): Last 24 hours: _____	Last 48 hours: _____	
Latitude: <u>30° 30' 6.57N</u>	Longitude: <u>87° 52' 19.35E</u>	GPS Unit: _____	GPS LMK #: _____
Camera: <u>✓</u>	Photo #s: <u>11, 12</u>		
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input checked="" type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known): <u>R.S. BOX CULVERT</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 type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input checked="" type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____ In Water: <input type="checkbox"/> No <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input checked="" type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Flow	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

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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 checked="" type="checkbox"/>	<input type="checkbox"/> Clear <input checked="" 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 checked="" type="checkbox"/> 2 – Clearly visible in sample bottle	<input type="checkbox"/> 3 – Clearly visible in outfall flow
Turbidity	<input checked="" type="checkbox"/>	See severity	<input type="checkbox"/> 1 – Slight cloudiness	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/> Oily <input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input checked="" 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

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

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



ILLICIT DISCHARGE LOCATION BRIDGE OFF POINT CLEAR CREEK- WILLOWBRIDGE DR



MS4 Discharge ID 12



MS4 Discharge ID 12-Willowbridge Dr.



MS4 Discharge ID 12-Willowbridge Dr. (2)

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed: <u>MOBILE/PT. CLEAR CR.</u>		Outfall ID: <u>12</u>	
Today's date: <u>5/6/13</u>		Time (Military): <u>1300</u>	
Investigators: <u>M. HADLEY, D. THREATT</u>		Form completed by: <u>M. HADLEY</u>	
Temperature (°F): <u>78</u>	Rainfall (in.): Last 24 hours: _____ Last 48 hours: _____		
Latitude: <u>30°28'38.19</u>	Longitude: <u>87°54'23.819</u>	GPS Unit: _____	GPS LMK #: _____
Camera: <u>✓</u>	Photo #: <u>19, 20</u>		
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			
<u>(8)661 R.C. BOX CULVERT 10'x5'</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 type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input checked="" type="checkbox"/> Box <input checked="" type="checkbox"/> Triple <input type="checkbox"/> Other: _____ <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____	In Water: <input type="checkbox"/> No <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input checked="" 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: _____	[Hatched Box]
<input checked="" 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	Flow depth	<u>36</u>	In	Tape measure
	Flow width	<u>30</u> ' _____"	Ft, In	Tape measure
	Measured length	<u>10</u> ' _____"	Ft, In	Tape measure
	Time of travel	<u>4-5</u> <u>21</u>	S	Stop watch
Temperature		°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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 checked="" type="checkbox"/>	<input type="checkbox"/> Clear <input checked="" 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 checked="" type="checkbox"/> 2 – Clearly visible in sample bottle	<input type="checkbox"/> 3 – Clearly visible in outfall flow
Turbidity	<input checked="" type="checkbox"/>	See severity	<input type="checkbox"/> 1 – Slight cloudiness	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/> Oily <input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input checked="" 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

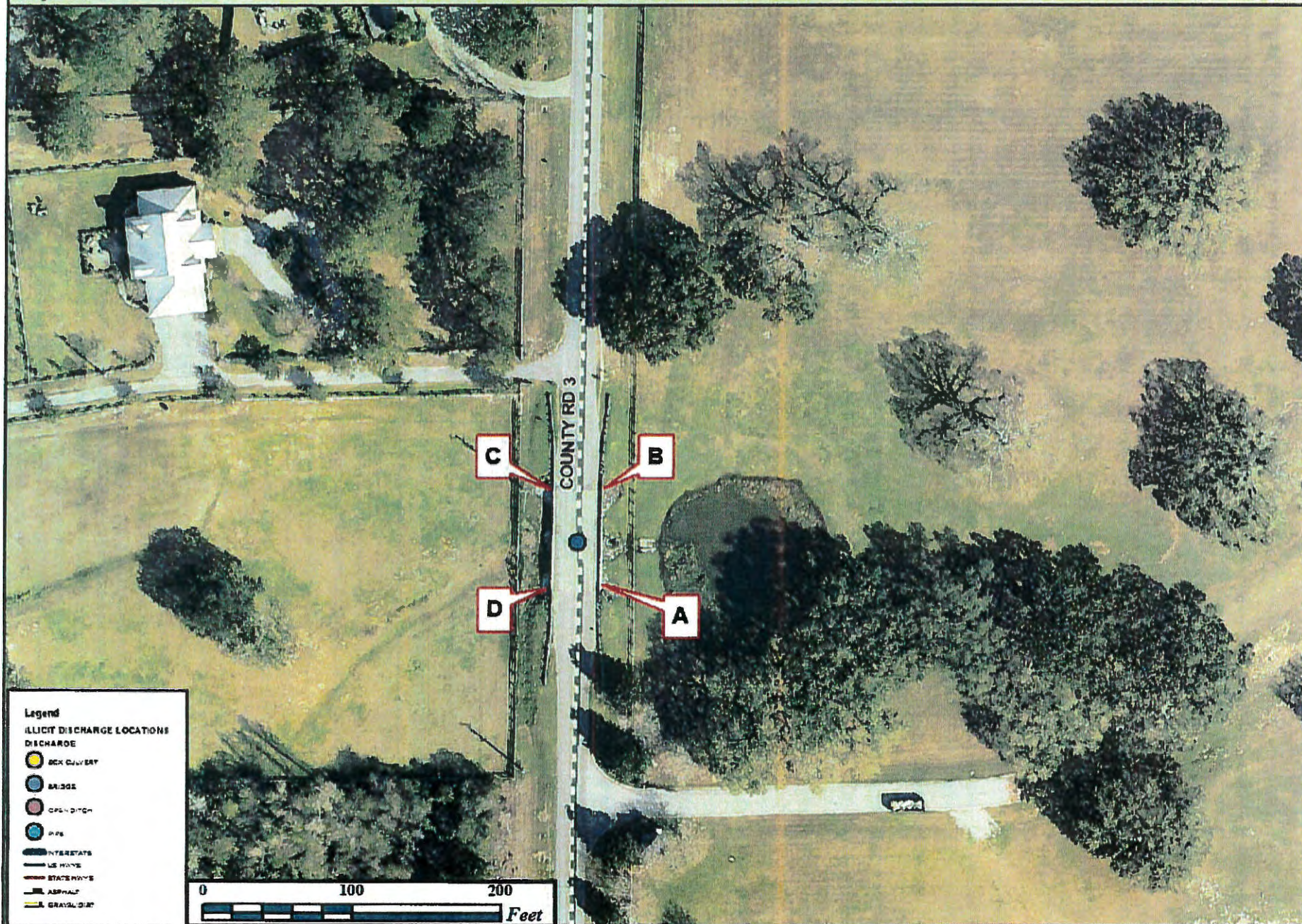
1. Sample for the lab?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow	<input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam		

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

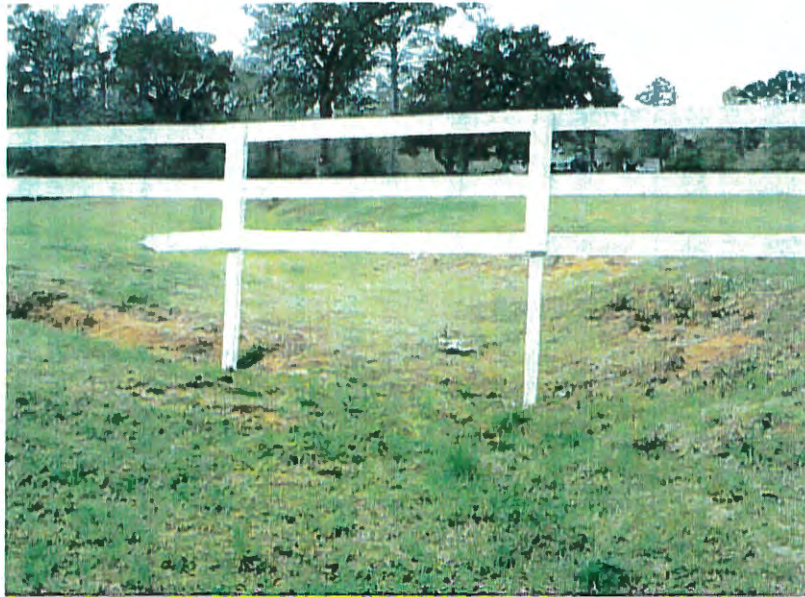
		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



ILLICIT DISCHARGE LOCATION CR 3- BAILEY CRK. SOUTH OF COUNTY RD 32



MS4 Discharge ID 13



MS4 Discharge ID 13-CR 3 (2)



MS4 Discharge ID 13-CR 3

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed: <u>MOBILE / BAILEY CR.</u>		Outfall ID: <u>13</u>	
Today's date: <u>3/4/13</u>		Time (Military): <u>1240</u>	
Investigators: <u>H. MACKAY, D. THRENT</u>		Form completed by: <u>H. MACKAY</u>	
Temperature (°F): <u>40</u>	Rainfall (in.): Last 24 hours: _____ Last 48 hours: _____		
Latitude: <u>30° 28' 14.797</u>	Longitude: <u>87° 54' 11.017</u>	GPS Unit: _____	GPS LMK #: _____
Camera: <u>✓</u>		Photo #s: <u>17, 18</u>	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known): <u>68' B.C. BRIDGE</u>			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input 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 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: _____	In Water: <input 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	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

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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)

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

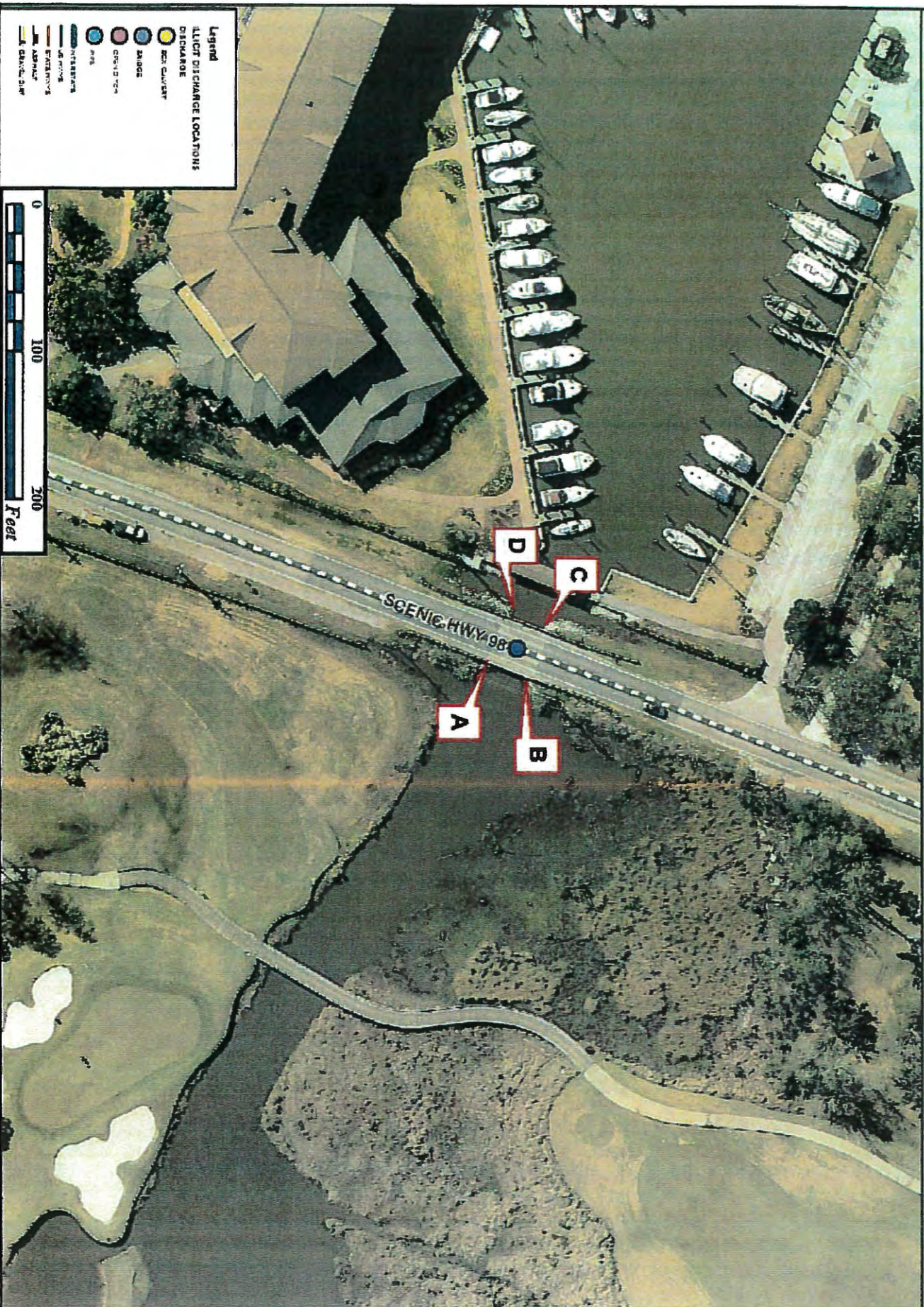
1. Sample for the lab?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

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

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



ILICIT DISCHARGE LOCATION
SCENIC 98- POINT CLEAR CRK. NORTH OF LAKEWOOD DR



MS4 Discharge ID 14



MS4 Discharge ID 14-Scenic 98 (2)



MS4 Discharge ID 14-Scenic 98

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed: <u>MOBILE / PT. CLEAR CR.</u>		Outfall ID: <u>17</u>	
Today's date: <u>3/4/15</u>		Time (Military): <u>1215</u>	
Investigators: <u>H. MACKAY, D. THWART</u>		Form completed by: <u>H. MACKAY</u>	
Temperature (°F): <u>41</u>	Rainfall (in.):	Last 24 hours:	Last 48 hours:
Latitude: <u>30°29'8.725"</u>	Longitude: <u>87°55'56.413"</u>	GPS Unit:	GPS LMK #:
Camera: <u>✓</u>	Photo #s: <u>15, 16</u>		
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input checked="" type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			
<u>34' R.C. BRIDGE</u>			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input 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 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: _____	In Water: <input 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 checked="" 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 type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input checked="" type="checkbox"/> Flow	Flow depth	<u>7.8</u>	In	Tape measure
	Flow width	<u>34'</u> _____"	Ft, In	Tape measure
	Measured length	<u>10'</u> _____"	Ft, In	Tape measure
	Time of travel	<u>4.5</u>	S	Stop watch
Temperature		°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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 checked="" type="checkbox"/>	<input type="checkbox"/> Clear <input checked="" 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 checked="" type="checkbox"/> 3 – Clearly visible in outfall flow
Turbidity	<input checked="" type="checkbox"/>	See severity	<input type="checkbox"/> 1 – Slight cloudiness	<input checked="" 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?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow	<input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
		If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

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

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



ILLICIT DISCHARGE LOCATION COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15



MS4 Discharge ID 15



3/9/2015

15

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed:		Outfall ID: <u>15</u>	
Today's date: <u>3-6-15</u>		Time (Military): <u>14:18</u>	
Investigators: <u>Milt Sharp</u>		Form completed by: <u>Jeremy Howell</u>	
Temperature (°F): <u>50</u>	Rainfall (in.): Last 24 hours:	Last 48 hours:	
Latitude: <u>30.32N 32.62W</u>	Longitude: <u>87.046W 56.1375</u>	GPS Unit:	GPS LMK #:
Camera:		Photo #s: <u>7+8</u>	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

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 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>28</u>	In Water: <input 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	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

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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)

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?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow	<input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
		If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

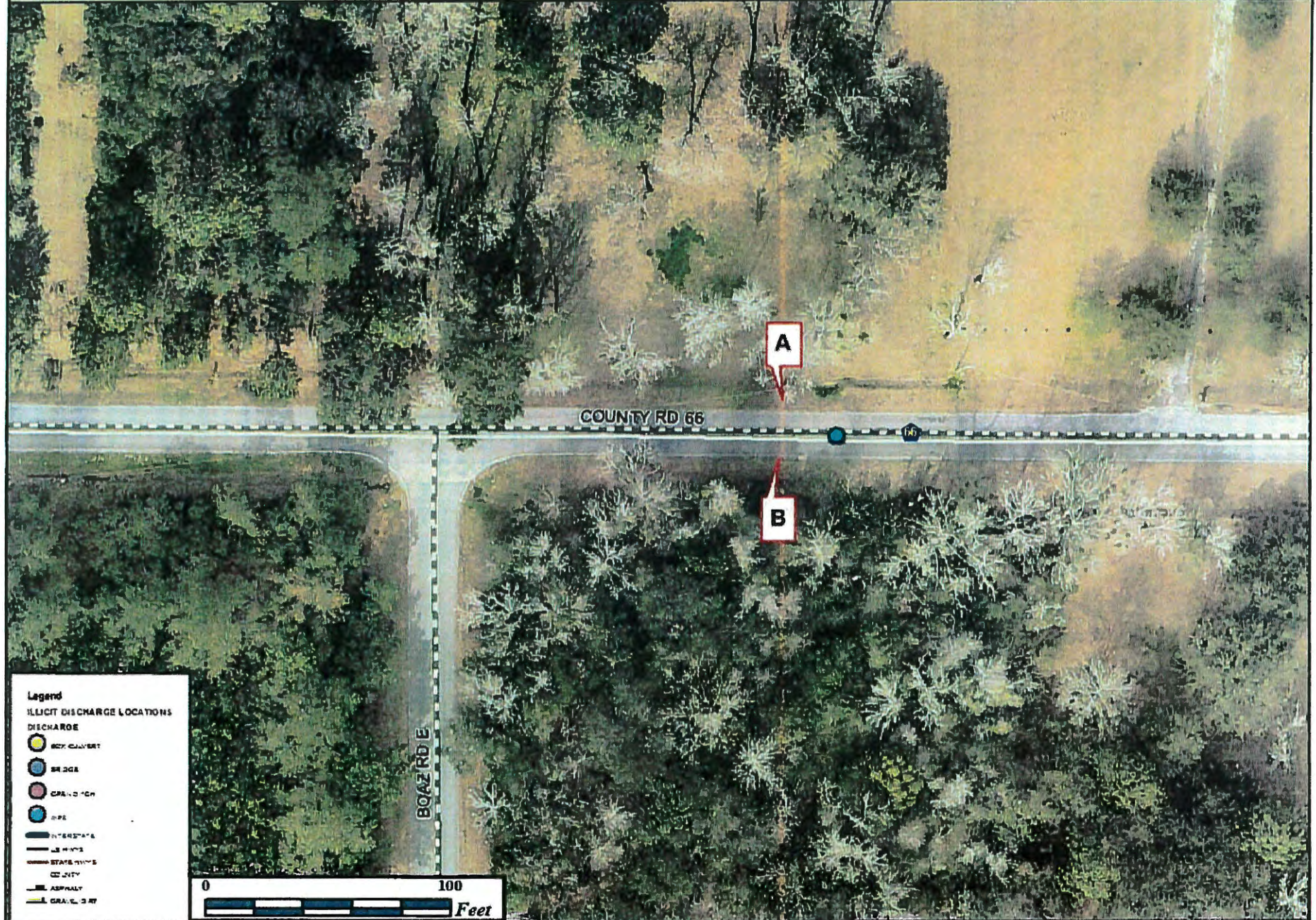
Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

5

OUTFALL INVENTORY SCHEDULE					
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



ILLICIT DISCHARGE LOCATION COUNTY RD 66 EAST OF BOAZ RD E



MS4 Discharge ID 16



MS4 Discharge ID 16 Co. Rd. 66 #2



MS4 Discharge ID 16 Co. Rd. 66

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed:		Outfall ID: <u>16</u>	
Today's date: <u>3-6-15</u>		Time (Military): <u>14:10</u>	
Investigators: <u>Jeremy Howell</u>		Form completed by: <u>Jeremy Howell</u>	
Temperature (°F): <u>50</u>	Rainfall (in.): Last 24 hours: _____ Last 48 hours: _____		
Latitude: <u>30° 37' N 82.6985</u>	Longitude: <u>87° 04' W 82.2395</u>	GPS Unit:	GPS LMK #:
Camera:	Photo #: <u>5+8</u>		
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" 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"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input checked="" type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: <u>54"</u> In Water: <input 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 checked="" type="checkbox"/> Yes <input checked="" 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	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

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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 checked="" type="checkbox"/>	<input type="checkbox"/> Clear <input checked="" 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 checked="" 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

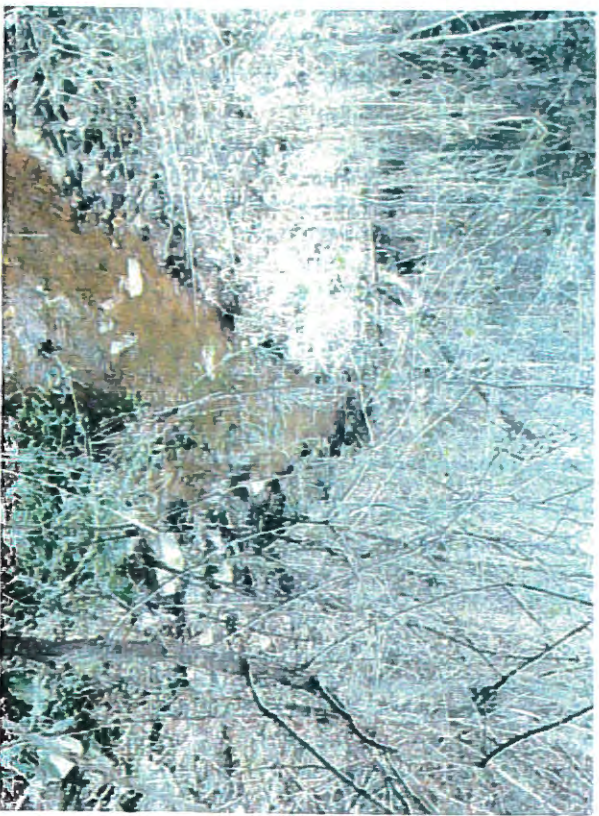
1. Sample for the lab?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
2. If yes, collected from:	<input type="checkbox"/> Flow	<input type="checkbox"/> Pool	
3. Intermittent flow trap set?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

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

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 1S	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



MS4 Discharge ID 17



MS4 Discharge ID 17-Boardwalk Dr. (2)



MS4 Discharge ID 17-Boardwalk Dr.

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed: <u>MOBILE / HUDAY BR.</u>		Outfall ID: <u>17</u>	
Today's date: <u>5/9/13</u>		Time (Military): <u>1100</u>	
Investigators: <u>W. HUCKEY · D. THIBERTT</u>		Form completed by: <u>W. HUCKEY</u>	
Temperature (°F): <u>56</u>	Rainfall (in.):	Last 24 hours:	Last 48 hours:
Latitude: <u>30° 12' 35.314</u>	Longitude: <u>87° 53' 40.18</u>	GPS Unit:	GPS LMK #:
Camera: <u>✓</u>		Photo #: <u>5, 6</u>	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input type="checkbox"/> Suburban Residential		Other: _____	
<input checked="" type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			
<u>(1) 661 16'x4' R.O. BOX CULVERT</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 type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input checked="" type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: <u>16'x4'</u> In Water: <input type="checkbox"/> No <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input checked="" 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: _____	[Hatched Box]
<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	Flow depth	<u>6</u>	In	Tape measure
	Flow width	<u>6</u> "	Ft, In	Tape measure
	Measured length	<u>10</u> "	Ft, In	Tape measure
	Time of travel	<u>4.5</u> 10	S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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 checked="" type="checkbox"/>	<input type="checkbox"/> Clear <input checked="" 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 checked="" type="checkbox"/>	See severity	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/> Oily <input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input checked="" 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?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
2. If yes, collected from:	<input type="checkbox"/> Flow	<input type="checkbox"/> Pool	
3. Intermittent flow trap set?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

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

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



ILLICIT DISCHARGE LOCATION MCFARLAND RD EAST OF JESSIE RD



MS4 Discharge ID 18



3/9/2015

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed: <u>MOBILE / BAY BR.</u>		Outfall ID: <u>18</u>	
Today's date: <u>3/9/13</u>		Time (Military): <u>1045</u>	
Investigators: <u>W. HADLEY, D. THURATT</u>		Form completed by: <u>W. HADLEY</u>	
Temperature (°F): <u>54</u>	Rainfall (in.): Last 24 hours: _____ Last 48 hours: _____		
Latitude: <u>30°10'45.989</u>	Longitude: <u>87°19'00.674</u>	GPS Unit: _____	GPS LMK #: _____
Camera: <u>✓</u>	Photo #: <u>3, 4</u>		
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input checked="" type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known): <u>36" Ø R.C.P. - RIPPED IN PLACE</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 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>36" Ø</u>	In Water: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input checked="" 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: _____	[Hatched Box]
<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	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

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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)

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 checked="" type="checkbox"/>	<input type="checkbox"/> Oily <input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input checked="" 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

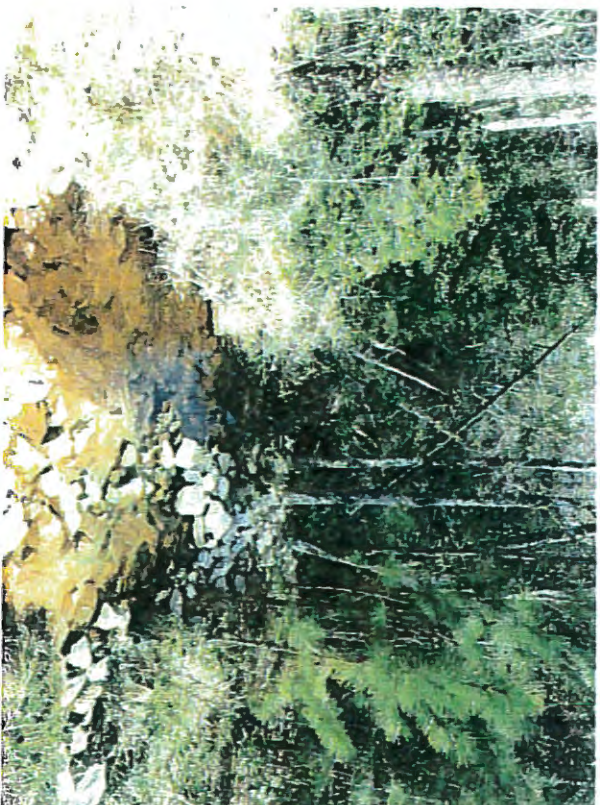
Section 7: Data Collection

1. Sample for the lab?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

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

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S

MS4 Discharge ID 19



3/9/2015

19

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed:		Outfall ID: 19	
Today's date: 3-6-2018		Time (Military): 13:26	
Investigators: Jeremy Howell		Form completed by: Jeremy Howell	
Temperature (°F): 50	Rainfall (in.): Last 24 hours: Last 48 hours:		
Latitude: 30°41'N - 76°45'	Longitude: 87°05'W 9.7285	GPS Unit:	GPS LMK #:
Camera:	Photo #s: 1 + 2		
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input 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 checked="" type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input checked="" type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: 48" 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 If No, Skip to Section 5			
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	Flow depth	1' 1/2	In	Tape measure
	Flow width	16' 0"	Ft, In	Tape measure
	Measured length	46' 0"	Ft, In	Tape measure
	Time of travel	16	S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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 checked="" 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

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

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



**ILLCIT DISCHARGE LOCATION
MOSELEY RD EAST OF COUNTY RD 13**



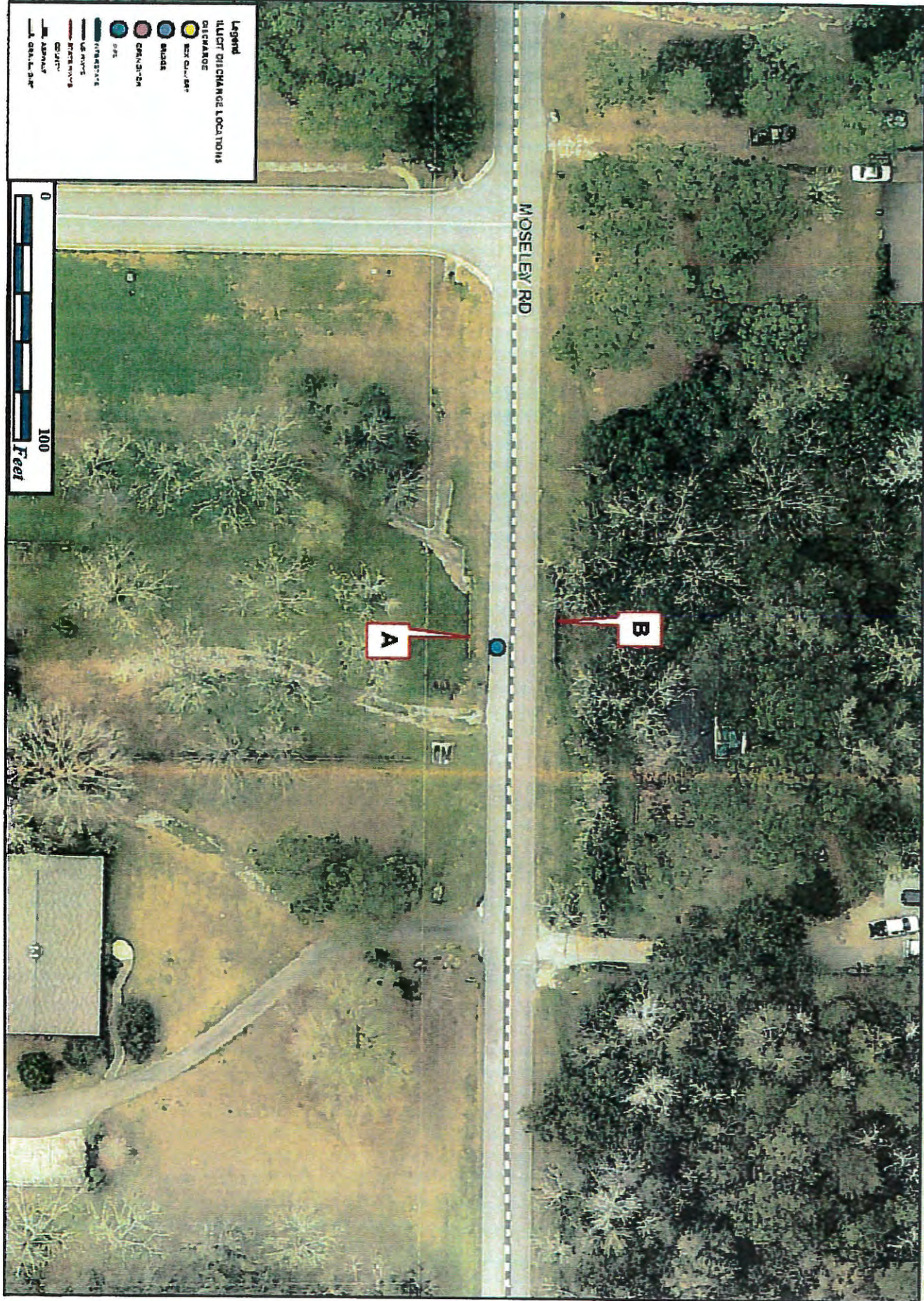
MOSELEY RD

A

B

Legend
ILLCIT DISCHARGE LOCATIONS

- DISCHARGE
- BOX CUL-DE-SAC
- BRIDGE
- CRAVENS-24
- CRS
- INTERSTATE
- US HWY-75
- RTS HWY-75
- COUNTY
- ADAMS
- CRAVENS-24



MS4 Discharge ID 20



MS4 Discharge ID 20 Moseley Rd. #2



MS4 Discharge ID 20 Moseley Rd.

20

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed:		Outfall ID: 20	
Today's date: 5-9-2015		Time (Military): 1040	
Investigators: Mike Sharp		Form completed by: Jeremy Howell	
Temperature (°F):	Rainfall (in.): Last 24 hours:	Last 48 hours:	
Latitude: 300.32m 17.5465	Longitude: 870.51m 42.2525	GPS Unit:	GPS LMK #:
Camera:		Photo #s:	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED	
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input checked="" type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Circular (1) <input checked="" type="checkbox"/> Elliptical (3) <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: 2X 40X 27 CMP 17" round steel 40X27 RCP	In Water: <input 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 If No, Skip to Section 3				
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	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	

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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)

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?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow	<input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

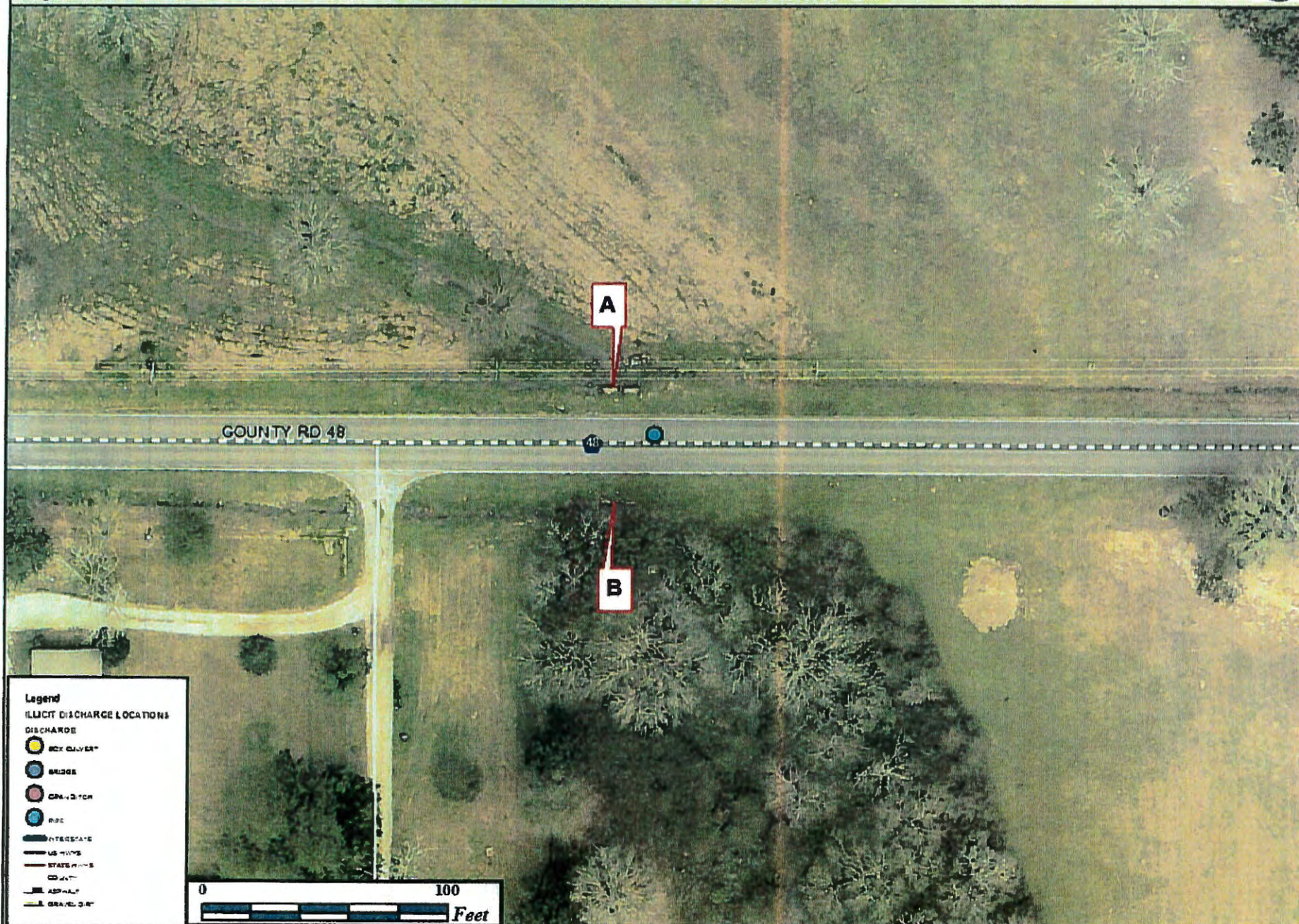
If Yes, type: ☐ OBM ☐ Caulk dam

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

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



ILLICIT DISCHARGE LOCATION COUNTY RD 48 WEST OF BLUBERRY LN



MS4 Discharge ID 21



3/9/2015

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed:		Outfall ID: <u>21</u>	
Today's date: <u>3-9-2015</u>		Time (Military): <u>1154</u>	
Investigators: <u>Mike Sharp</u>		Form completed by: <u>Jeremy Howell</u>	
Temperature (°F):	Rainfall (in.): Last 24 hours:	Last 48 hours:	
Latitude: <u>30°31'25.0955</u>	Longitude: <u>87°02'42.566</u>	GPS Unit:	GPS LMK #:
Camera:		Photo #: <u>15 & 16</u>	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

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 checked="" type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input checked="" type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: <u>44x72</u> In Water: <input checked="" type="checkbox"/> No <input 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 type="checkbox"/> Yes <input 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	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

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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)

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

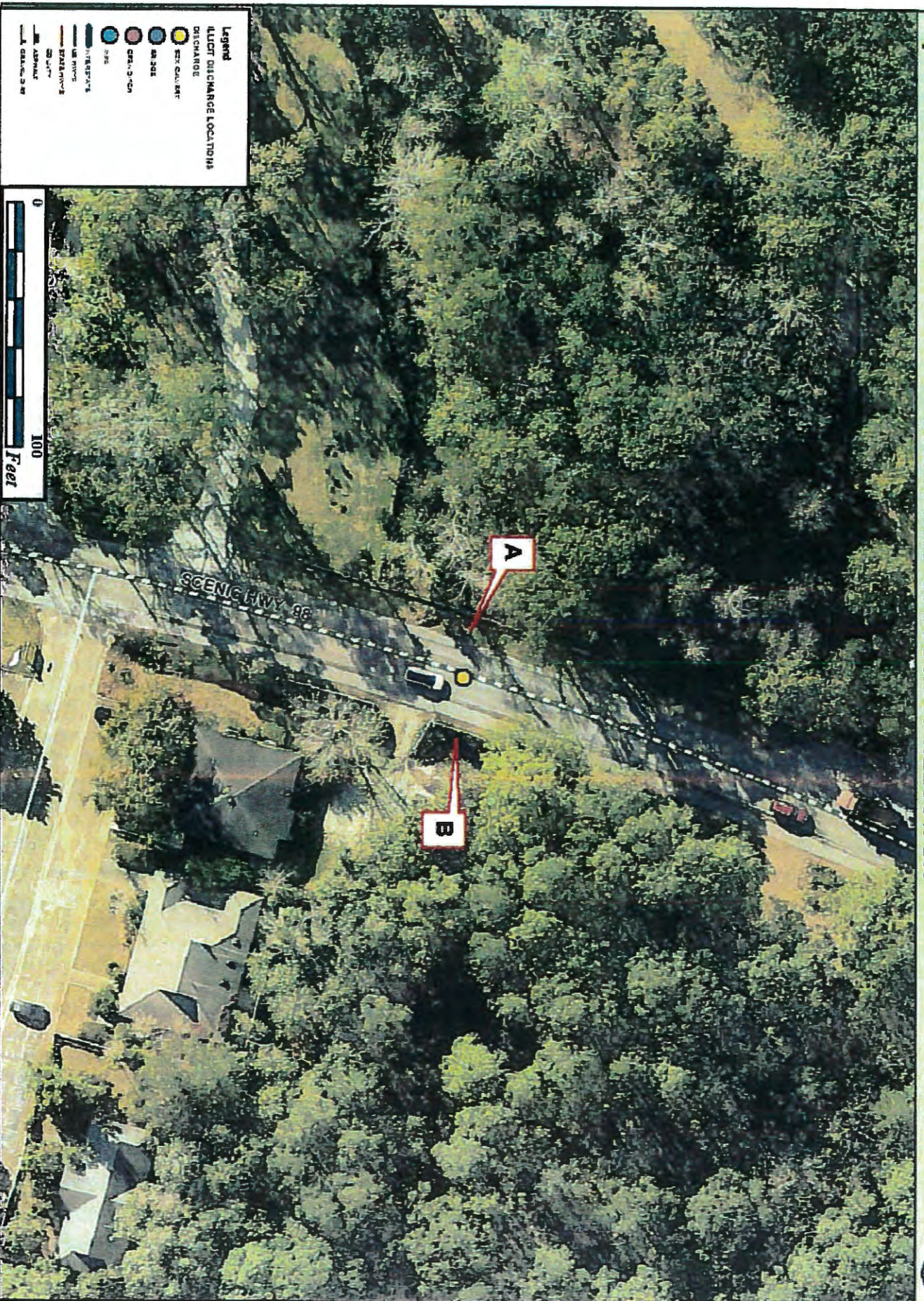
☐ Unlikely
 ☐ Potential (presence of two or more indicators)
 ☐ Suspect (one or more indicators with a severity of 3)
 ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

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

		OUTFALL INVENTORY SCHEDULE			
DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M 7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	JIMMY FAULKNER RD- NORTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M 0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S



MS4 Discharge ID 22



MS4 Discharge ID 22 Scenic 98 #2



MS4 Discharge ID 22 Scenic 98

22

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed:		Outfall ID: 22	
Today's date: 3-9-15		Time (Military): 10.11	
Investigators: Mike Sharp		Form completed by: Jeremy Holman	
Temperature (°F):	Rainfall (in.): Last 24 hours:	Last 48 hours:	
Latitude: 30.30m14.5325	Longitude: 87.055m18.8945	GPS Unit:	GPS LMK #:
Camera:	Photo #s: 9 + 10		
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input 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 type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input checked="" type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: 8' x 6' In Water: <input type="checkbox"/> No <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Fully
<input checked="" type="checkbox"/> Open drainage	<input checked="" 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 checked="" type="checkbox"/> Other: Box Culvert	Depth: 6' Top Width: 8' Bottom Width: 8'	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No If No, Skip to Section 5			
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 checked="" type="checkbox"/> Flow	Flow depth	8"	In	Tape measure
	Flow width	4' 0"	Ft, In	Tape measure
	Measured length	10' 0"	Ft, In	Tape measure
	Time of travel	5	S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/> Oily <input checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Brown <input type="checkbox"/> Orange <input checked="" 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

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

OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data

Subwatershed:		Outfall ID:	
Today's date:		Time (Military):	
Investigators:		Form completed by:	
Temperature (°F):	Rainfall (in.): Last 24 hours: Last 48 hours:		
Latitude:	Longitude:	GPS Unit:	GPS LMK #:
Camera:		Photo #s:	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input 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 type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____ In Water: <input 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: _____	[Hatched Box]
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes <input 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	Liter	Bottle	
	Time to fill	Sec		
<input type="checkbox"/> Flow #2	Flow depth	In	Tape measure	
	Flow width	____' ____"	Tape measure	
	Measured length	____' ____"	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

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)

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

<input type="checkbox"/> Unlikely <input type="checkbox"/> Potential (presence of two or more indicators) <input type="checkbox"/> Suspect (one or more indicators with a severity of 3) <input type="checkbox"/> Obvious

Section 7: Data Collection

1. Sample for the lab?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

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

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed:		Outfall ID:	
Today's date:		Time (Military):	
Investigators:		Form completed by:	
Temperature (°F):	Rainfall (in.): Last 24 hours: Last 48 hours:		
Latitude:	Longitude:	GPS Unit:	GPS LMK #:
Camera:		Photo #s:	
Land Use in Drainage Area (Check all that apply): <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Industrial <input type="checkbox"/> Ultra-Urban Residential <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Commercial </div> <div> <input type="checkbox"/> Open Space <input type="checkbox"/> Institutional Other: _____ Known Industries: _____ </div> </div>			
Notes (e.g., origin of outfall, if known):			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input 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 type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____ In Water: <input 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 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	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	

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

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)

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

<input type="checkbox"/> Unlikely <input type="checkbox"/> Potential (presence of two or more indicators) <input type="checkbox"/> Suspect (one or more indicators with a severity of 3) <input type="checkbox"/> Obvious

Section 7: Data Collection

1. Sample for the lab?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

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

Illicit Discharge Inspection Form

Purpose: The purpose of this form is to document the observations made during an investigation of a potential non-storm water discharge into the County's MS4.

Inspection Information

Inspection Type: ☐ Initial ☐ Scheduled ☐ Follow-up ☐ Response to Complaint
Inspector Name: _____ Date: _____
Organization: _____ Time: _____
Phone: _____ E-mail: _____

Signature: _____

Name(s) of others accompanying inspector (if any):

Name: _____ Title: _____
Name: _____ Title: _____
Name: _____ Title: _____

Weather Conditions: ☐ Clear ☐ Cloudy ☐ Rain
Previous Rainfall: _____ in _____ on _____ Source: _____

Incident Location

Stream: _____ Latitude: _____
Address: _____ Longitude: _____

Nearby Landmark: _____

Property Type: ☐ County ☐ Commercial ☐ Industrial ☐ Residential
☐ Other: _____

Primary Location: ☐ Stream ☐ Upland Area

Secondary Location: ☐ Outfall ☐ In-Stream Flow ☐ Near Storm Drain
☐ Along Bank ☐ Other: _____

Comments: _____

Observations

1. Upland Problem Indicators

☐ None ☐ Dumping ☐ Oil / Chemical ☐ Sewage
☐ Wash Water ☐ Suds ☐ Other: _____

Comments: _____

2. Stream Corridor Problem Indicators

Odor ☐ None ☐ Sewage ☐ Oil / Chemical ☐ Sour
☐ Sulfide ☐ Other: _____
Appearance ☐ Normal ☐ Cloudy ☐ Oil / Chemical ☐ Suds
☐ Turbid ☐ Other: _____
Floatables ☐ None ☐ Sewage ☐ Dead Fish ☐ Algae
☐ Other: _____

Comments: _____

3. Field Screening Data

Illicit Discharge Inspection Form

Sample Location: _____

Parameters		Results	Comments
1. Temperature	°C	_____	_____
2. pH	s.u.	_____	_____
3. Conductivity	µS/cm	_____	_____
4. Total Dissolved Solids	mg/L	_____	_____
5. Potassium	mg/L	_____	_____
6. Ammonia	mg/L	_____	_____
7. Chlorine	mg/L	_____	_____
8. E Coli	mg/L	_____	_____
9. Total Coliform	mg/L	_____	_____
10. Fluoride	mg/L	_____	_____
11. Surfactants	mg/L	_____	_____
12. Detergents	mg/L	_____	_____
13. Hardness	mg/L	_____	_____

Comments: (These results will come from laboratory test) _____

4. Potential Source of Non Storm Water Discharge

- ☐ Sanitary Sewer ☐ Septic System ☐ Oil / Chemical Spill ☐ Vehicle Washing
☐ Construction Activity ☐ Industrial Activity ☐ Building Maintenance ☒ Drain Pipe
☐ Natural Source ☐ Other: _____

Suspect Violator

Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Property Type: ☐ County ☐ Commercial ☐ Industrial ☐ Residential
☐ Other: _____

Follow-up Actions

- ☐ No follow-up actions are required.
☐ Notify Facility of Non-Storm Water Discharge ☐ Yes ☐ No Date: _____
☐ Conduct Follow-up Investigation ☐ Yes ☐ No Date: _____
☐ Refer to County Department
 EMA (251) 972-6806 ☐ Yes ☐ No Date: _____
 HWY (251) 937-0371 ☐ Yes ☐ No Date: _____
 Health DP (251) 947-3557 ☐ Yes ☐ No Date: _____
☐ Non-Storm Water Discharge Eliminated ☐ Yes ☐ No Date: _____
☐ Notify ADEM ☐ Yes ☐ No Date: _____
☐ Other

Comments: _____

BCHD GUIDELINES FOR OPERATIONS

Activity/Sub-Activity Description: Illicit Discharge Detection and Elimination / Hazardous Materials

Activity Code Number: 503

Administered by: Operations Section

Definition/Scope: This process is used by Baldwin County Highway Department employee(s) for dealing with spills that may contain hazardous materials. Any dangerous good (solid, liquid or gas) that can harm people, other living organisms, property or the environment is considered a hazardous material.

Customer: The customers for this process are the County Commission, the County Engineer, Department Heads, Citizens, Environmental Agencies and Highway Department staff.

Objectives: **LIFE SAFETY FIRST – I'M SAFE, YOU'RE SAFE, WE'RE SAFE**

- If safe to do so, remove any victim(s) from the immediate vicinity of the spill, remembering that they are contaminated
- Consider evacuation

Please refer to the 1996 North American Emergency Response Guidebook

Implementation Plan: (for spills containing petroleum based products)

- Spill only – less than 25 gallons, not in water – notify supervisor, dyke product to prevent runoff and initiate clean up procedures
- Spill only in excess of 25 gallons or in water – notify 911 and request EMA, notify supervisor, notify ADEM, dyke product to prevent runoff, and notify hazmat contractor for clean up
- Spill with injury – call 911 and request EMS, Fire Department and EMA, notify supervisor to notify HR, dyke product to prevent runoff (quantities still apply)

Critical Information:

- On Scene Contact Name
- On Scene Contact Number
- Location –physical address, street, mile marker, direction (East, West etc.)
- City or County
- Road/Lane closures
- Type of material spilled

Please refer to the attached contractor contact list for cleanup contractors needed during spills.

Follow-up Plan: Actions shall be taken to minimize the spill location

Procedure to Accomplish:

Responsibilities Summary: The Baldwin County Highway Department shall take immediate precautionary measures to ensure the spill is contained and the appropriate authorities have been notified.

BCHD GUIDELINES FOR OPERATIONS

Activity/Sub-Activity Description: Illicit Discharge Detection and Elimination / Sewer Detection

Activity Code Number: 503

Administered by: Operations Section

Definition/Scope: This process is used by Baldwin County Highway Department employee(s) for dealing with detection of sewer leakage / spills.

Customer: The customers for this process are the County Commission, the County Engineer, Department Heads, Citizens, Environmental Agencies and Highway Department staff.

Objectives:

- County Employee performs routine site inspection
- The following parameters shall be looked for during the inspection:
Grayish Turbidity, Odor, Floatables, Algae-growth and Bacterial growth.
- If any of the above are detected during the inspection, sanitary sewer or a failing septic system may be the root of the problem.
- The County shall immediately notify the Baldwin County Health Department at 251-947-3618.

Implementation Plan:

- In the event that sewer spill is detected, the following parties shall be notified:
 - Supervisor
 - Health Department
 - ADEM
 - Utility / Facility Owner (as applicable)

Please refer to the contractor contact list for cleanup contractors needed during spills.

Follow-up Plan:

Procedure to Accomplish:

Responsibilities Summary: The Baldwin County Highway Department employee responsible for performing inspection to determine if sewer spill has occurred.

BCHD GUIDELINES FOR OPERATIONS

Activity/Sub-Activity Description: Illicit Discharge Detection and Elimination / Dry Weather Screening

Activity Code Number: 503

Administered by: Operations Section

Definition/Scope: This process is used by Baldwin County Highway Department employee(s) dry weather screening.

Customer: The customers for this process are the County Commission, the County Engineer, Department Heads, Citizens, Environmental Agencies and Highway Department staff.

Objectives:

- Conduct inspections during dry weather periods
- Characterize and record observations on basic sensory and physical indicators

Implementation Plan:

- If an illicit discharge is detected, please follow the Illicit Discharge Standard Operating Procedure

Follow-up Plan:

- Perform inspections of MS4 area at least once per permit cycle.
- If dry weather flow is present at the outfall, and the flow does not appear to be an obvious illicit discharge, attempt to identify the source of the flow then document the discharge for future comparison.
- Fill out MS4 Outfall Inspection Form
- Take photos for record.

Procedure to Accomplish:

Responsibilities Summary: The Baldwin County Highway Department employee responsible for performing dry weather screenings shall be responsible for implementing this SOP.

BCHD GUIDELINES FOR OPERATIONS

Activity/Sub-Activity Description: Illicit Discharge Detection and Elimination

Activity Code Number: 503

Administered by: Operations Section

Definition/Scope: This process is used by Baldwin County Highway Department employee(s) for dealing with illicit discharges. According to the EPA an illicit discharge is defined as any discharge to the municipal separate storm sewer system that is not composed entirely of storm water, except for discharges allowed under a NPDES permit or waters used for firefighting operations.

Customer: The customers for this process are the County Commission, the County Engineer, Department Heads, Citizens, Environmental Agencies and Highway Department staff.

Objectives:

- Document observations using the outfall reconnaissance field sheet
- Document site location
- Visually inspect general area for possible sources of discharge
- Take photos
- Collect samples if possible
- Complete the Illicit Discharge Inspection Form

Implementation Plan:

- In the event that illicit discharges do occur, the following parties shall be notified:
 - Supervisor
 - Health Department
 - ADEM
 - Utility / Facility Owner (as applicable)

Please refer to the contractor contact list for cleanup contractors needed during spills.

Follow-up Plan:

Procedure to Accomplish:

- Actions shall be taken to minimize illicit discharges. These actions shall include good construction practices as well as the installation and maintenance of BMP's.

Responsibilities Summary: The Baldwin County Highway Department employee responsible for performing dry weather screenings shall be responsible for implementing this SOP.

BCHD GUIDELINES FOR OPERATIONS

Activity/Sub-Activity Description: Outfall Reconnaissance Inventory

Activity Code Number: 523

Administered by: Operations Section

Definition/Scope: This process is used by Baldwin County Highway Department employee(s) for Identifying & collecting at the Outfall Reconnaissance

Customer: The customers for this process are the County Commission, the County Engineer, Department Heads, Citizens, Environmental Agencies and Highway Department staff.

Objectives: Find Outfall Reconnaissance points and map locations

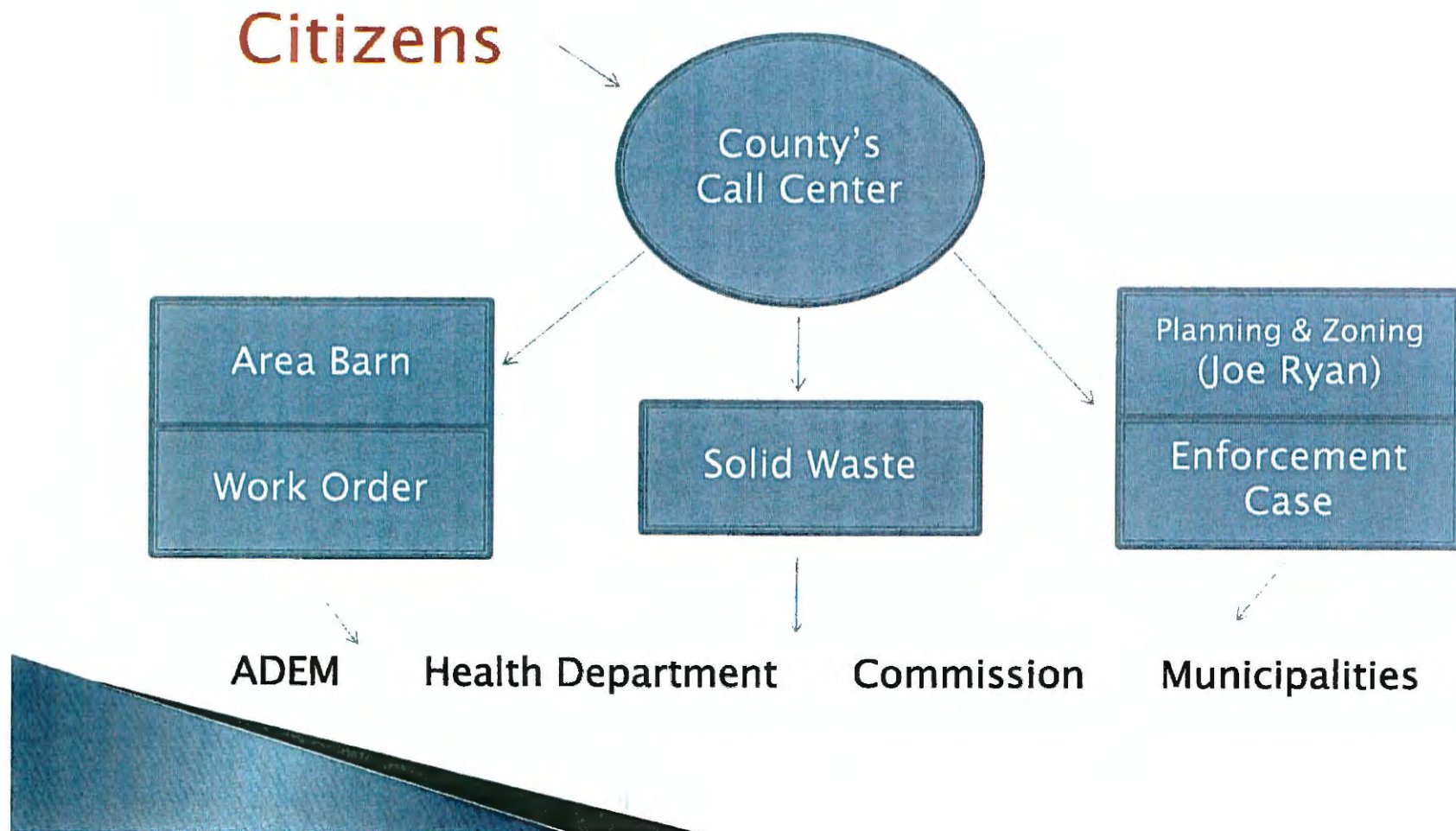
Implementation Plan: Follow this procedure for Outfall Reconnaissance points.

Follow-up Plan: Use maps as a guide for locations to take samples at Outfall Reconnaissance points.

Procedure to Accomplish: See below

- Use USGS maps to identify perennial and intermediate streams in the MS4 area
- Use the county GIS database to overlay the USGS map with the county maintained road system
- Identify the locations where the two intersect. These are your outfall locations
- Label the outfall locations numerically
- If more than one of their points intersects state waters at the same location, identify those additional location's with sub letters i.e. A,B,C,D
- Field verify all locations to ensure conditions are accurately captured
- Capture subwatershed, latitude, longitude, and fill out Outfall Inspection form
- Create a location map of each inspection point to attach to the Outfall Inventory Inspection form
- Inspect the outfall every 5 years

Complaint Tracking System



MS4 Area Report


From 04/01/18 to 03/31/19

Complaint			3 Cases
Case Num	Date Received	Parcel Num	
C-180080	07/12/18	05-42-06-14-2-000-006.000	
C-180089	08/22/18	05-43-09-30-0-000-121.002	
C-180119	11/05/18	05-43-09-30-0-000-040.000	
C-180119	11/05/18	05-43-09-30-0-000-074.000	

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- > Edit Forms
- > Reports
- > Administration
- > Change Password
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BALDWIN COUNTY COMMISSION

PLANNING AND ZONING DEPARTMENT

COMPLAINT ENTRY FORM

-

Property Location

Planning District:

District 12 ▾

Zoning:

B-1 - Professional Bus. ▾

General Location:

Corner of St Hwy 59 in Loxley at the red light at 55. ▾

MS4 Area: ☒

-

Complaint Info

Nature of Complaint:

Car lot located in a B1 zoning permitted by right in B4 or B3 with conditional use. Also in violation of 5.1.6 Lighting standards. ▾

Assigned To:

Joe Ryan ▾

Inspection Date:

Results:

▾

Violation: ☐

-

Complainant Info

Anonymous: ☒

Complaint Date:

Comments:

▾

Update

Reset

-

Attachments

New Attachment

Currently there are no attachments associated with this form.

General Info

05-42-06-14-2-000-006.000

Case#: C-180080

Received: 7/12/2018

Staff: Crystal Bates

Applicant Info

Company: Reliable Properties LLC

Address: PO Box 301

City: Loxley

State: AL

City: 36551

Owner Info

Company: Reliable Properties LLC

Address: PO Box 301

City: Loxley

State: AL

Zip: 36551

e911 Info

Address: 26520 Holley St

City: Loxley

State: AL

Zip: 36551

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Baldwin County Alabama



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PLANNING AND ZONING DEPARTMENT

COMPLAINT ENTRY FORM

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> Reports

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> Change Password

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General Info

05-43-09-30-0-000-121.002

Case#: C-180089

Received: 8/22/2018

Staff: Crystal Bates

Applicant Info

First Name: John & Katey

Last Name: Renz

Address: PO Box 370

City: Montrose

State: Al

City: 36559

Owner Info

First Name: John & Katey

Last Name: Renz

Address: PO Box 370

City: Montrose

State: Al

Zip: 36559

e911 Info

Address: 24047 Main St

City: Daphne

State: Al

Zip: 36526

Property Location

Planning District:

District 16 ▾

Zoning:

RSF-2 Single Family ▾

General Location:

Main St Historic Montrose ▾

MS4 Area: ☒

Complaint Info

Nature of Complaint:

Landscape Company landscaping rear yard and dirt leaving the scene filling the creek. ▾

Assigned To:

Joe Ryan ▾

Inspection Date:

08/23/2018

Results:

I issued a stop work notice. ▾

Violation: ☐

Complainant Info

Anonymous: ☒

Complaint Date:

Comments:

Update

Reset

Attachments

New Attachment

Currently there are no attachments associated with this form.


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Edit General Info

General Info

05-43-09-30-0-000-040.000
05-43-09-30-0-000-074.000

Case#: C-180119
Received: 11/5/2018
Staff: Crystal Bates

Applicant Info


First Name: Thomas
Last Name: Davis
Address: 6805 S Winding Brook Dr
City: Daphne
State: AL
City: 36526

Owner Info

First Name: Thomas
Last Name: Davis
Address: 6805 S Winding Brook Dr
City: Daphne
State: AL
Zip: 36526

e911 Info

Address: 6805 S Winding Brook Dr
City: Daphne
State: AL
Zip: 36526



BALDWIN COUNTY COMMISSION

PLANNING AND ZONING DEPARTMENT

You are logged in as vjackson

COMPLAINT ENTRY FORM

Property Location

Planning District:

Zoning:

General Location:

MS4 Area: ☒

Complaint Info

Nature of Complaint:

Assigned To:

Inspection Date:

Results:

Violation: ☐

Complainant Info

Anonymous: ☒

Complaint Date:

Comments:

Attachments

File Name	Added By	Added Time	Delete
Letter- Pictures.pdf	Crystal Bates	11/5/2018 10:14:41 AM	Delete
1			

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November 5, 2018

Mr. Joe Ryan
Code Enforcement
Baldwin County Alabama

RE: Thomas H. Davis III Construction, Inc.
Parcels No. 05-43-09-30-0-000-040.000 PIN 3449
05-43-09-30-0-000-074.000

Dear Mr. Ryan:

I am a resident homeowner on South Winding Brook Drive in Planning District 16 and I am writing to register a complaint regarding ongoing violation of the zoning code ordinances occurring at 6855 and 6805 South Winding Brook Drive in the Red Gulley Subdivision. Mr. Thomas H. Davis III is the owner of a construction company conducting commercial business activities on South Winding Brook Drive which are beyond any authorized by RSF-2 zoning.

Mr. Davis lives in the home at 6805 South Winding Brook Drive, a property owned by his father, but in which he operates a home business from a back office on the premises.

www.thdayisconstruction.com Home Occupation Application may be approved with the Baldwin County to authorize this home to be used as a business, but has the County approved a specific variance to allow him to conduct a commercial construction business in a RSF-2 neighborhood? Mr. Davis does not confine the business use of his home to 6805 South Winding Brook address only. Presently, the adjoining lot at 6855 South Winding Brook Drive is being used for storage and continuous movement of heavy construction equipment and materials. There are no limits to the hours of operation, no limits to the size of the equipment, noise, trucks, delivery of materials, and accumulation of unsightly trash piles and construction debris. Mr. Davis also employs subcontractors who may routinely park their vehicles on the site. In a never ending parade, heavy equipment and trailers are routinely moved in and out, and are being parked on the lot, with construction materials and debris delivered and rotated to and from his various construction jobs. A small silt fence attempts to contain the mud and erosion but muddy water washes down our narrow roadway with every rain. The equipment yard is a sprawling raw open mud field. The commercial use of South Winding Brook access by heavy equipment is subjecting this roadway pavement to stresses and increased wear and tear on asphalt.

There is an attempt to make this appear an authorized use by the posting of a construction permit at the residence, and a For Sale sign on the lot advertising a home Mr. Davis offers to build there.

This commercial use is

- 1) Not in harmony with the general purpose, goals, objectives, and standards of the Baldwin County RSF-2 ordinances
- 2) Inconsistent with the residential community welfare and detracts from homeowners rights to peaceful enjoyment of their homestead properties
- 3) **An adverse effect which unduly decreases the market value of all properties on South Winding Brook and Blake Lane**

- 4) Incompatible with the surrounding residential area and imposes an excessive burden on the only single lane access into the Red Gulley neighborhood
- 5) A substantial negative impact with injurious effect upon the neighborhood

I have attached photos taken during the course of the last month such that you can see the movement of equipment and construction materials.

I am asking that you deem this commercial use of these lands, 6805 and 6855 South Winding Brook, to be a violation of the ordinances, that they cease and desist from the parking of any commercial vehicle or trailer, from the storage or rotational delivery of any construction materials used in his commercial business, or dumping of construction debris, that you hold Mr. Davis, and his father, responsible for the violation, that they be subject to the penalties and remedies as provided by law, that they be informed that each day that any violation continues to exist shall constitute an additional and separate violation, and that this commercial use is declared unlawful.

Please issue them a written notice of Violation, a Cease and Abate Order, and inform that any failure to comply with the requirements of the order will result in enforcement procedures, including fines.

Thomas H. Davis III Construction, Inc.
6805 South Winding Brook Drive
Fairhope, AL 36532

Thomas H. Davis Jr. and Anne W. Davis
P.O. Box 4
Montrose, AL 36559
7188 Chapman Street, Montrose AL

Please restrain, correct, or abate this ongoing violation. Other of our neighbors have previously lodged complaints concerning Mr. Davis' activities, we did see Linda Lee at the site last year, but the situation has gotten progressively worse since his purchase of the vacant lot, such that this becomes an ongoing repeat violation, perhaps more appropriately forwarded to the County Legal Department and/or the Baldwin County District Attorney's Office for further action.





jjj

