Biological Assessment of

City of Wewahitchka "Ricky McMillion" WWTP

Gulf County

NPDES # FL0020125

Sampled March 5, 2018

May 2019

Biology Program

DEP Laboratory

Division of Environmental Assessment and Restoration

DEP Laboratory Quality Manual

NELAC Certification No. E31780

CONTENTS

Summary of Results

Facility Overview

Methods

Figures

Figure 1. Map of Facility and Sampling Locations

Results

Literature Cited

Tables

Table 1. Effluent limits, Class III Freshwater Criteria, and field parameters

Table 2. Effluent limits, Class III Freshwater Criteria, analytical water chemistry, and microbiological data

Table 3. Effluent limits, Class III Freshwater Criteria, and analytical metals data

Table 4. Measured Freshwater Criteria algal growth potential (AGP)

Table 5. Macroinvertebrate Hester-Dendy samples – quantitative

Appendices

Appendix A. Facility Summary

Appendix B. Explanation of measurements

Appendix C. Chain of Custody

Appendix D. Physical/Chemical and Habitat Assessment field sheets

Appendix E. Chemical analyses of effluent and receiving water

EPA End Sheet

Summary of Results

Microbiological and metals results complied with permit limits and Class III Freshwater Criteria (62-302.530, F.A.C.). The AGP results did not indicate an impact from the effluent on the receiving water body. Acetaminophen was detected in the effluent grab sample. Acetaminophen is usually removed during the wastewater treatment processes; however, removal efficiency can depend on several factors. The Habitat Assessment scores were similar between the Test and Control Sites placing both in the suboptimal category. The habitat scores for the sites were less than optimal mainly due to lack of substrate diversity, with roots and snags as the only major productive habitats. For this sampling event, the communities collected from the Hester-Dendy samplers did not differ significantly between the Test and Control Site. At both the Test and Control Site, the sensitive macroinvertebrate *Hydropsyche incommoda* was the dominant taxon.

Facility Overview

The Wewahitchka Wastewater Treatment Plant (WWTP) is a Municipal Domestic Wastewater Treatment Facility. This facility uses an activated sludge system with the Intermittent Cycle Extended Aeration System which functions as a Sequencing Batch Reactor. A Facility Summary, including a description of the facility, summary of permit limits, and any relevant Administrative Order (AO), and Discharge Monitoring Report (DMR) information is provided in Appendix A. The facility was operating under AO090NW which allows the City of Wewahitchka time for the facility's discharge to meet the minimum limit for dissolved oxygen saturation in the Chipola River. The effluent is intermittently discharged into the Chipola River, a Class III Freshwater (Figure 1).

The Chipola River falls within the Panhandle West Nutrient Watershed Region for Numeric Nutrient Criteria (NNC). For this region, the NNC thresholds, expressed as annual geometric means, are 0.06 mg/L total phosphorus and 0.67 mg/L total nitrogen, 62-302.531(2)(c). This FYI event can only provide single sample results; therefore, compliance should be determined with additional sampling events.http://ca.dep.state.fl.us/mapdirect/?focus=nutrientcriteria.

Methods

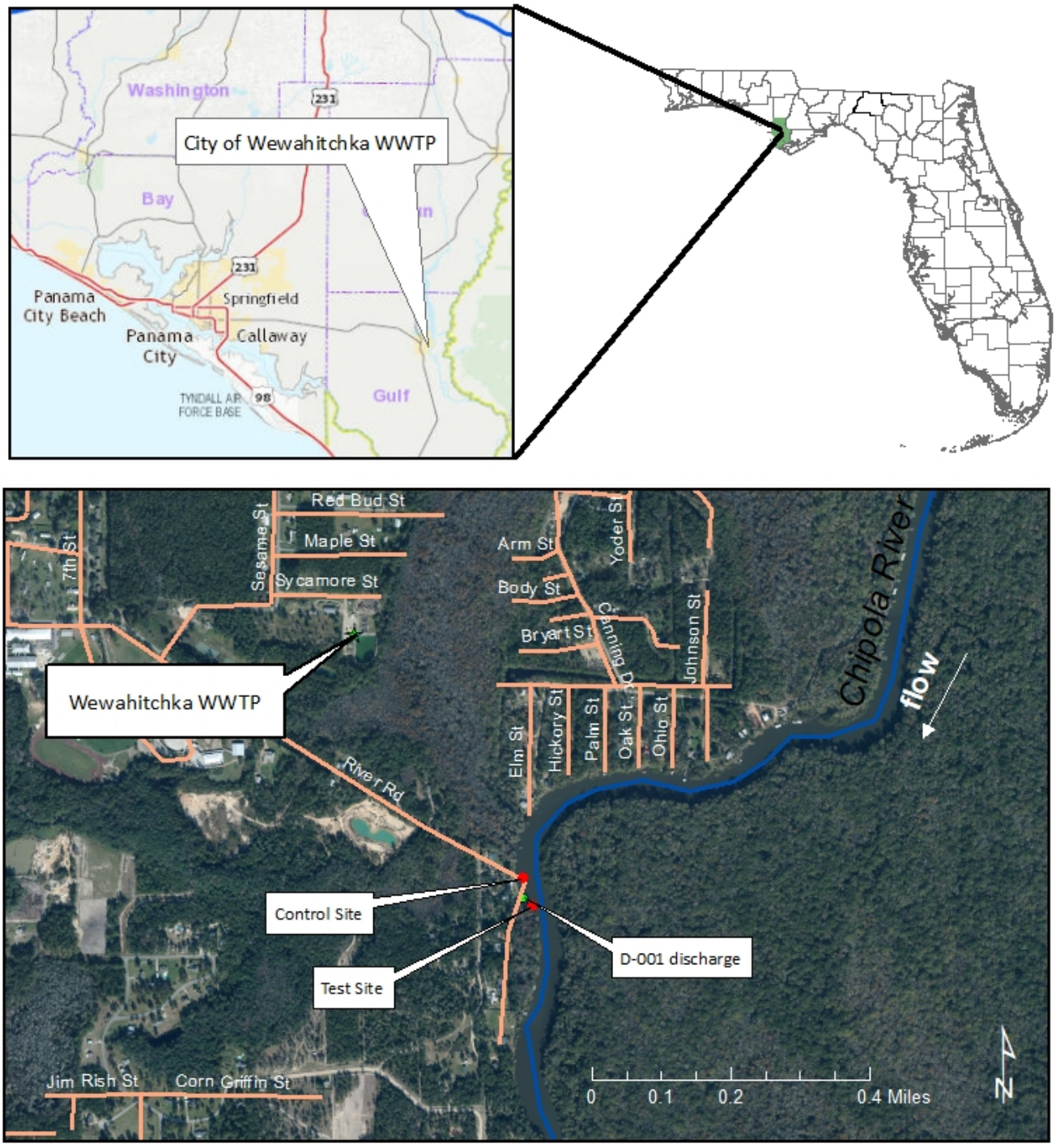
Effluent grab samples were taken from monitoring site location EFF-01 on March 5, 2018. Toxicity tests were not requested for this inspection; the facility's current permit does not include toxicity sampling as a requirement. Chemical and biological comparisons were made between a Test Site (located in Chipola River Beginning 110 m downstream of the point of discharge and ending 10 m downstream of the point of discharge) and a Control Site (located in Chipola River beginning 30 m upstream of the point of discharge and ending 130 m upstream of the point of discharge—Figure 1).

All field and laboratory methods followed DEP Standard Operating Procedures (see https://floridadep.gov/dear/quality-assurance/content/dep-sops and https://floridadep.gov/dear/florida-dep-laboratory/content/dep-laboratory-quality-assurance-manual-and-sops for details) and met DEP quality assurance/quality control standards (see https://floridadep.gov/dear/quality-assurance). Explanations of specific methods and measurements can be found in Appendix B.

All references to 62-302.530, F.A.C. are to the surface water quality criteria table with an effective date of 02/17/2016 and a notice identification number of 17115667.

The following were involved in this investigation: Todd Risk, Rachael Dragon, Amelia Rankin, Lillian Haynes, Herb Jonson, Jennifer Walters, Lucas Grantham, and Adrienne Pennington (FDEP, Tallahassee), and DEP Laboratory in Tallahassee. The report was reviewed by District representatives and the Point Source Studies Review Committee (Mike Tanski, Nancy Ross, and Adrienne Pennington).

Figure 1. Map of facility and sampling locations



Results

Physical and Chemical Parameters / Site Characterization (See Table 1 and Appendices B and D)

- Habitat Assessment scores were similar at the Test Site (118) and Control Site (114) and both sites placed in the Suboptimal category. Substrate diversity and availability were low at both sites. The velocity of water was optimal; both sites scored 20. No significant amount of habitat smothering was observed at either site. There was no evidence of artificial channelization at the Test site or Control site. Unlike the right bank of both the Test Site and Control Site, the left bank's slopes were greater than 60^{o} from bankfull to the top of the bank, indicating less stability. The riparian buffer zone width and riparian vegetation scored slightly lower at the Control Site's left bank than the Test Site's left bank due to more residential development. The right bank at each site had no development and scored optimally in both of these categories.

Analytical Water Chemistry (See Table 2 and Appendix E)

- Nutrients were higher in the effluent than the Test and Control Site samples. The Test and Control Site values for nutrients were relatively the same.
- Chlorophyll *a*-corrected and phaeophytin were higher in the Test and Control samples than in the effluent.
- Total suspended solids were highest in the Control Site sample.

Microbiology (See Table 2 and Appendix E)

- Fecal coliforms were detected in the effluent sample at levels which complied with the facility permit limit.
- *Escherichia coli* was detected in the effluent, Control Site, and Test Site samples at levels which complied with Class III Freshwater Quality Criterion (62-302.530(6)(b), F.A.C.).

Metals (See Table 3 and Appendix E)

- Effluent metals were detected at levels that complied with Class III Freshwater Criteria (62-302.530, F.A.C.) and effluent permit limits.
- All metals in the Control Site and Test Site samples were either undetected or detected at levels that complied with Class III Freshwater Quality Criteria (62-302.530, F.A.C.).

Algal Growth Potential (See Table 4 and Appendix E)

- Using the freshwater species *Pseudokirchneriella subcapitata*, the AGP values in the effluent sample were higher than in the Test Site and Control Site samples.
- The analytical chemistry suggests that the effluent is nitrogen-limited, and the Test Site and Control Site are ortho-phosphate limited.

Flora (See Appendix D)

- Two temporally independent Linear Vegetation Survey (LVS) samplings showing a Coefficient of Conservatism (C of C) score ≥ 2.5 and the frequency of occurrence of Florida Exotic Plant Pest Council (FLEPPC) exotic taxa ≤ 25% are needed to achieve NNC floral metrics. Sites with no observed macrophytes are considered to achieve the LVS component of the NNC. Two temporally independent Rapid Periphyton Survey (RPS) samplings with ≤ 25% rank 4-6 (algae > 6mm thick) coverage are needed to achieve NNC floral metrics. This FYI event can only provide single sample results; therefore, Numeric Nutrient Criteria (NNC) compliance should be determined with additional sampling events.
- There was no dominant species of vegetation at either of the sites making the C of C null. Tupelo trees (*Nyssa sylvatica*) were present at the Test Site and Control Site. Cypress trees (*Taxodium ascendens*) were present at the Control Site. There were no exotic or invasive species found at either of the sites.
- Both sites had tannic and turbid water, which may inhibit algal growth. There were no sampling points with algae ranked 4-6 at either the Test Site or Control Site. The RPS did not indicate nutrient enrichment at the Test Site.

Macroinvertebrates (See Table 5)

- Quantitative macroinvertebrate data were collected from Hester-Dendy samplers at the Test and Control Sites. The Hester-Dendy samplers were attached to floating racks anchored to cinder blocks on the riverbed. The Shannon-Weaver diversity scores were similar at the Test and Control Sites (2.71 and 2.86 respectively). Both sites were dominated by trichopterans and dipterans. Both sites had sensitive taxa, such as trichopterans and

plecopterans, present. *Hydropsyche incommoda* (a trichopteran) was the dominant taxon at both sites. Suspension feeders were the dominant functional feeding group at both sites.

- Stream Condition Index (SCI) was not performed. The water was too deep to access available habitats.
- For more information or to obtain a copy of the taxa lists, please contact the Biology Laboratory at 850-245-8177.

Organic Constituents (See Appendix E)

- 2,4-Dichlorophenoxyacetic acid (2,4-D) and atrazine were detected in the effluent grab sample between the laboratory method detection limit and the laboratory practical quantitation limit.
- Acetaminophen was detected in the effluent grab sample.

Literature Cited

Fore, L.S., Frydenborg, R., Miller, D., Frick, T., Whiting, D., Espy, J., and Wolfe, L. 2007. Development and Testing of Biomonitoring Tools for Macroinvertebrates in Florida Streams (Stream Condition Index and Biorecon). Florida Department of Environmental Protection. 110 pp.

Karr, J.R. & E.W. Chu. 1998. Restoring life in running waters: Better biological monitoring. Island Press. Covelo, California. 200 p.

Magurran, A. E. 1988. Ecological diversity and its measurement. Princeton University Press, Princeton, New Jersey.

Miller, W. E., T. E. Maloney, and J. C. Greene. 1978. The *Selenastrum capricornutum* Printz algal assay bottle test. EPA600/978-018. U. S. EPA, Cincinnati, Ohio. 126 p.

Plafkin, J. L., M. T. Barbour, K. D. Porter, S. K. Gross and R. M. Hughes. 1989. Rapid bioassessment protocols for use in streams and rivers: Benthic macroinvertebrates and fish. U. S. EPA, Office of Water Regulations and Standards, Washington D.C., EPA 440-4-89-001.

Reiss, K.C. and M.T. Brown. 2005. The Florida Wetland Condition Index (FWCI): Developing Biological Indicators for Isolated Depressional Forested Wetlands. Howard T. Odum Center for Wetlands. University of Florida. 168 pp.

Table 1. Effluent limits, Class III Freshwater Criteria and field parameters

Wewahitchka WWTP	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab	Test Site	Control Site
Habitat Assessment	-	-	-	-	118	114
Sample Depth	m	-	-	-	0.2	0.2
Temperature	C	-	-	-	15.9	18.6
pH	SU	6.0 - 8.5	6.0 - 8.5	-	7.4	7.3
Dissolved Oxygen	% saturation	≥ 67	-	69	82.9	84.1
Dissolved Oxygen	mg/L	-	-	6.2	7.8 c	7.9 c
Flow	MGD	-	≤ 0.240	0.081	-	-
Total Residual Chlorine	mg/L	≤ 0.01	≤ 0.01	≤ 0.2U[1]	-	-

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist

c - Value is calculated

U - Material analyzed for but not detected; value reported is the method detection limit

1 - A handheld meter was used with a minimum detection limit of 0.2 mg/L. The value was below this limit.

Table 2. Effluent limits, Class III Freshwater Criteria, analytical water chemistry, and microbiological data

Wewahitchka WWTP	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab	Test Site	Control Site
Ortho-phosphate	mg P/L	-	-	2.7	0.008 I	0.007 I
Total Phosphorus	mg P/L	0.06[2]	≤ 8.0 s	2.9	0.036	0.036
Total Ammonia	mg N/L	-	-	0.35	0.020	0.021
Un-ionized Ammonia	mg N/L	≤ 0.02 s	-	-	< 0.020 c	< 0.020 c
Nitrate and Nitrite	mg N/L	-	-	5.5	0.64	0.64
Total Kjeldahl Nitrogen	mg N/L	-	-	1.6	0.35	0.31
Organic Nitrogen	mg N/L	-	-	1.3 c	0.33 c	0.29 c
Total Nitrogen	mg N/L	0.67[2]	≤ 10.0 s	7.1 c	0.99 c	0.95 c
Total Organic Carbon	mg C/L	-	-	6.6 A	4	4
Chlorophyll *a* - Corrected	µg/L	-	-	2.5	3.5	3.4
Phaeophytin	µg/L	-	-	0.40 U	2.6	2.1
CBOD, 5 day, N - inhibited	mg/L	-	≤ 20.0 s	4.3 J	0.68 IJ	0.75 IJ
Hardness	-	-	-	218 c	56.7 c	56.8 c
Total Suspended Solids	mg/L	-	≤ 20.0 s	4 I	9 I	11 A
Turbidity	NTU	< 29 t	-	2.4 A	9.8	9.7
Color (true)	PCU	-	-	12	40	40
Alkalinity	mg CaCO3/L	≥ 20	-	105 A	49	50
Chloride	mg Cl/L	-	-	80 A	6.7 A	6.6
Fluoride	mg F/L	≤ 10.0	-	0.85	0.071 I	0.069 I
Sulfate	mg SO4/L	-	-	94 A	6.6 A	6.5
Microbiology						
Fecal Coliforms [3]	cfu/100 mL	-	< 86 s	63 A	11 B	18 B
Escherichia coli [3]	MPN/100 mL	≤410 s	-	83.9	10.9	6.3

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
c - Value is calculated
s - single sample
t - Shall not exceed 29 NTUs above background
A - Value reported is the mean of two or more determinations
B - Results based on colony counts outside the acceptance range
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
J - Estimated value
U - Material analyzed for but not detected; value reported is the method detection limit
2 - Numeric Nutrient Criteria for Panhandle West Nutrient Watershed Region expressed as annual geometric means
3 - Fecal coliform and *Escherichia coli* analyses were performed by the FDEP Laboratory, Tallahassee. Class III Freshwater criteria is now for *E. coli*; however, fecal coliforms were also analyzed.

Table 3. Effluent limits, Class III Freshwater Criteria and analytical metals data

Wewahitchka WWTP	Units	Effluent Permit Limits	Effluent Class III Criteria	Effluent	Test Site Class III Criteria	Test Site	Control Site Class III Criteria	Control Site
Hardness	mg CaCO3/L	Report	-	218 c	-	56.7 c	-	56.8 c
Aluminum	µg Al/L	-	-	60 U	-	574	-	401
Arsenic	µg As/L	-	≤ 50	0.24	≤ 50	0.48	≤ 50	0.44
Cadmium	µg Cd/L	-	≤ 0.483 b	0.020 U	≤ 0.178 b	0.020 U	≤ 0.178 b	0.020 U
Calcium	mg Ca/L	-	-	36.7	-	18.7	-	18.7
Chromium, Total [4]	µg Cr/L	-	≤ 163 b	0.40 U	≤ 54.2 b	0.89 I	≤ 54.2 b	0.70 I
Copper	µg Cu/L	-	≤ 18.2 b	4.2	≤ 5.75 b	0.73 I	≤ 5.76 b	0.69 I
Iron	µg Fe/L	-	≤ 1,000	95 I	≤ 1,000	800	≤ 1,000	680
Lead	µg Pb/L	-	≤ 8.6 b	0.19 I	≤ 1.55 b	0.39	≤ 1.55 b	0.37
Magnesium	mg Mg/L	-	-	30.8	-	2.44	-	2.46
Nickel	µg Ni/L	-	≤ 101 b	1.13	≤ 32.3 b	0.57 I	≤ 32.3 b	0.46 I
Potassium	mg K/L	-	-	12.7	-	1.9	-	1.9
Selenium	µg Se/L	-	≤ 5.0	0.20 U	≤ 5.0	0.20 U	≤ 5.0	0.20 U
Silver	µg Ag/L	-	≤ 0.07	0.010 U	≤ 0.07	0.01 U	≤ 0.07	0.01 U
Sodium	mg Na/L	-	-	64.5	-	6.5	-	6.5
Zinc	µg Zn/L	-	≤ 232 b	50	≤ 74.1 b	5.0 U	≤ 74.2 b	5.0 U

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.

b - Value is calculated based on hardness

c - Value is calculated

I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit

U - Material analyzed for but not detected; value reported is the method detection limit

4 - Class III Freshwater Quality Criterion (62-302.530(19)(a), F.A.C.) is for chromium-III

Table 4. Measured Freshwater Criteria algal growth potential (AGP; mg dry weight/L) for total soluble inorganic nitrogen (TSIN), ortho-phosphate (OP), total nitrogen (TN) and total phosphorus (TP) limitation and ratios of nitrogen to phosphorus

Wewahitchka WWTP								
Location	**Test Species**	**AGP (measured)**	**Predicted AGP (TSIN) ± 20%**	**Predicted AGP (OP) ± 20%**	**Predicted AGP (TN) ± 20%**	**Predicted AGP (TP) ± 20%**	**Inorganic N:P ratio**	**Total N:P ratio**
Effluent	*Pseudokirchneriella subcapitata*	302	222.3 ± 44.5	1161 ± 232.2	269.8 ± 54	1247 ± 249.4	2.2	2.4
Test Site	*Pseudokirchneriella subcapitata*	8.99	25.1 ± 5	3.4 ± 0.7	37.6 ± 7.5	15.5 ± 3.1	82.5	27.5
Control Site	*Pseudokirchneriella subcapitata*	8.19 A	25.1 ± 5	3 ± 0.6	36.1 ± 7.2	15.5 ± 3.1	94.4	26.4

A - Value reported is the mean of two or more determinations

Table 5. Macroinvertebrate Hester-Dendy samples- quantitative

Wewahitchka WWTP	Test Site	Control Site
Summary Statistics		
Shannon-Weaver Diversity	2.71	2.86
Number of Taxa	26	28
Number of EPT Taxa	11	13
Percent Dominant Taxon	40.43	34.42
Dominant Taxon Name	*Hydropsyche incommoda* Trichoptera	*Hydropsyche incommoda* Trichoptera
Total Number of Individuals (counted)	1,489	1,380
Total Number of Individuals (#/m^2)	2,739	2,955
Community Composition: Percent of total		
Amphipoda	0.0	0.4
Coleoptera	0.3	0.7
Diptera	36.4	40.6
Ephemeroptera	13.0	15.9
Odonata	0.0	0.1
Oligochaeta	0.1	0.0
Plecoptera	8.1	5.4
Trichoptera	42.0	36.7
Other	0.1	0.1
Functional Feeding Groups: Percent of total		
Burrowing Deposit Feeders	0.1	0.0
Piercers	0.2	0.1
Predators	8.3	6.1
Scrapers	6.6	8.0
Shredders	1.0	1.6
Surface Deposit Feeders	7.7	9.9
Suspension Feeders	75.5	73.1
Unknown	0.7	1.2

Appendix A

Facility Summary

State of Florida

Department of Environmental Protection

Facility Introduction & Summary

PART I: Information gathered prior to sampling event	
Prepared By: Lucas Grantham/Josie Penton	Contact Number: (850) 767-0041
Facility Name (as it appears on permit): City of Wewahitchka "Ricky McMillion" Wastewater Treatment Plant	Former Names:

NPDES Permit Number:	Permit Expiration Date:
FL0020125	December 15, 2019

Physical Address:
808 East Sycamore Street, Wewahitchka, Florida 33465-9432

District:	County:
NWD	Gulf

Function of Facility:
Municipal wastewater treatment facility

Facility Type:	Permitted Capacity (MGD):
Domestic	0.240 MGD

Mean Flow for previous 12 months for all EXTERNAL outfalls listed in permit (list date range including months):
0.119 MGD

If applicable, Mean Flow for previous 12 months for REUSE outfall(s) (list date range including months):
Not Applicable

Description of type of Discharge:

☐ Continuous ☒ Intermittent ☐ Seasonal ☐ Rainfall Dependent

☐ Other, please specify:

Description of Sampling Location(s) - actual permit designation of permitted sampling point(s):

Monitoring Site Number	Description of Monitoring Site
FLW-01	Stevens Meter at Effluent Weir at Chlorine Contact Chamber
EFF-01	Effluent Sampling Hose from Tap on Pipe from Effluent Pumps after Dechlorination
CAL-01	Calculated value
EFA-01	Effluent Weir at Chlorine Contact Chamber
EFD-01	Effluent Sampling Hose from Tap on Pipe from Effluent Pumps after Dechlorination

Description of Permitted Outfall(s):

An existing 0.330 MGD annual average daily flow (AADF) permitted discharge to Chipola River, Class III fresh waters, (WBID# 51) which is approximately 2 feet in length and discharges at a depth of approximately 2 feet. The point of discharge is located approximately at latitude 30°6' 1" N, longitude 85°10' 54" W.

Description of Treatment Process (if multiple discharge points, include a detailed map or diagram of facility):

An existing 0.240 MGD annual average daily flow (AADF) activated sludge system using the Intermittent Cycle Extended Aeration System (ICEAS) process treatment system which functions as a Sequencing Batch Reactor (SBR). The Treatment system includes influent flow meter, elevated influent duplex screens and grit removal chambers, three rectangular SBR basins (ICEAS), dual chlorine contact chambers using chlorine gas, and dechlorination in the effluent pump tank using sulfur dioxide gas. Effluent flow is measured by a 90 degree V-notch weir equipped with a continuous flow meter. A duplex effluent pump tank pumps to the outfall. Biosolids undergo single stage aerobic digestion in a single tank and dewatering on four drying beds prior to land application at a permitted agricultural land application site. WWTP has a lined 720,000 gallon reject storage pond with a duplex return pump station.

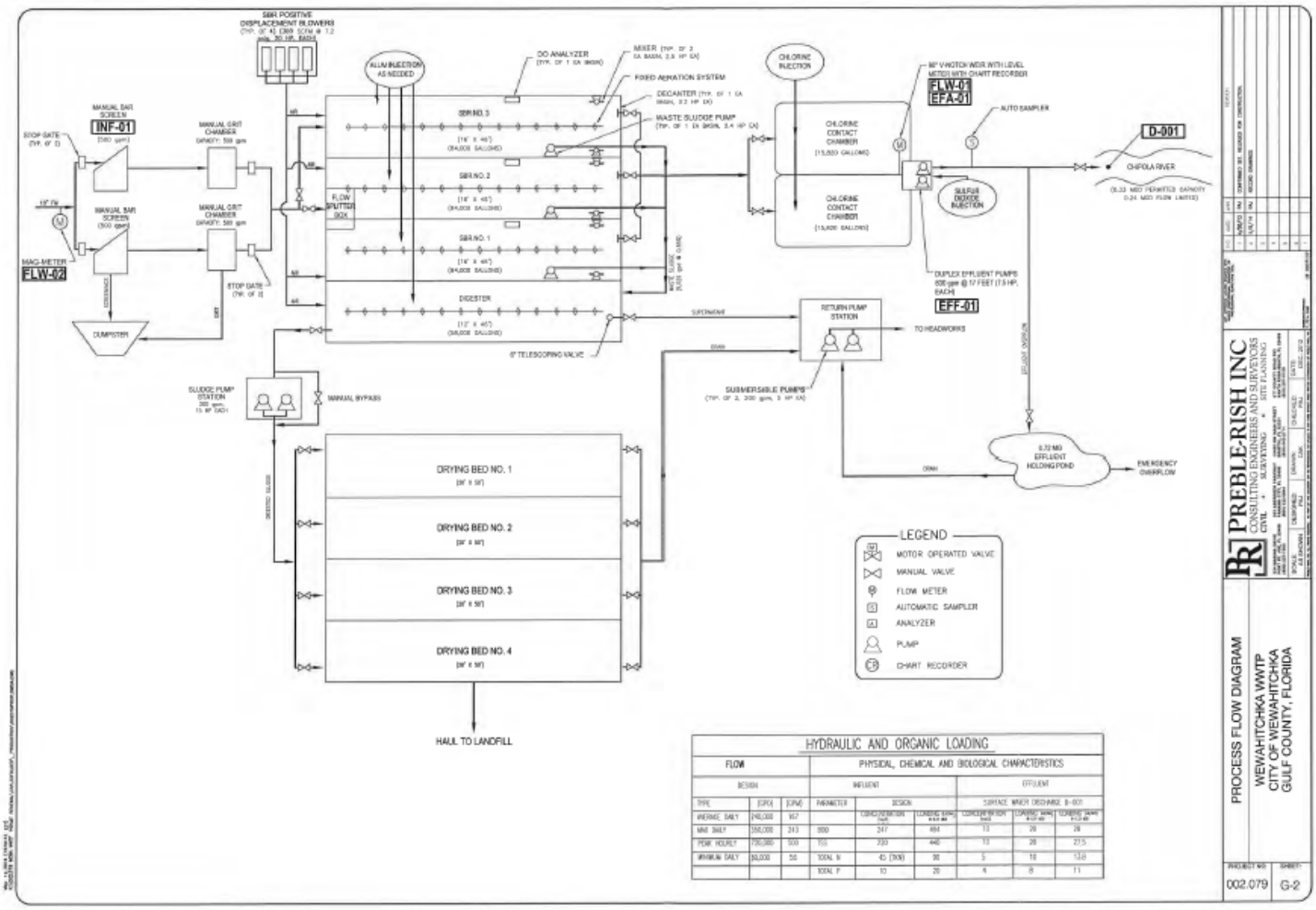
PART I: Continued

List current Effluent Limits of Outfall(s) to be Sampled: This should include any AO or CO limits the facility may be under

(Leave cell blank if not applicable)

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow (Flow to D-001)	MGD	Max Max	0.330 Report	Annual Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-01	See I.A.3

PART I: Continued								
List <u>current</u> Effluent Limits of Outfall(s) to be Sampled: This should include any AO or CO limits the facility may be under (Leave cell blank if not applicable)								
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	10.0 12.5 15.0 20.0	Annual Average Monthly Average Weekly Average Single Sample	Bi-weekly; every 2 weeks	8-hr FPC	EFF-01	See I.A.7
BOD, Carbonaceous 5 day, 20C	lb/day	Max	20.85	Monthly Average	Monthly	Calculated	CAL-01	
Solids, Total Suspended	mg/L	Max Max Max Max	10.0 12.5 15.0 20.0	Annual Average Monthly Average Weekly Average Single Sample	Bi-weekly; every 2 weeks	8-hr FPC	EFF-01	See I.A.7
Solids, Total Suspended	lb/day	Max	20.85	Monthly Average	Monthly	Calculated	CAL-01	
Nitrogen, Total	mg/L	Max Max Max Max	5 6.25 7.5 10	Annual Average Monthly Average Weekly Average Single Sample	Bi-weekly; every 2 weeks	8-hr FPC	EFF-01	See I.A.7
Nitrogen, Total	lb/day	Max	10.43	Monthly Average	Monthly	Calculated	CAL-01	
Phosphorus, Total (as P)	mg/L	Max Max Max Max	4.0 5.0 6.0 8.0	Annual Average Monthly Average Weekly Average Single Sample	Bi-weekly; every 2 weeks	8-hr FPC	EFF-01	See I.A.7
Phosphorus, Total (as P)	lb/day	Max	8.34	Monthly Average	Monthly	Calculated	CAL-01	
Coliform, Fecal	#/100mL	Max Max Max	14 14 86	Annual Average Monthly Median Single Sample	Bi-weekly; every 2 weeks	Grab	EFF-01	See I.A.4
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	5 Days/Week	Grab	EFF-01	
Oxygen, Dissolved Percent Saturation	% smpcmpln	Min	90	Monthly Total	5 Days/Week	Meter	EFF-01	See I.A.6
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	5 Days/Week	Grab	EFA-01	See I.A.5
Chlorine, Total Residual (For Dechlorination)	mg/L	Max	0.01	Single Sample	Bi-weekly; every 2 weeks	Grab	EFD-01	


SBR POSITIVE DISPLACEMENT BLOWERS
ALUM INJECTION AS NEEDED
DO ANALYZER
MIXER
FIXED AERATION SYSTEM
DECANTER
WASTE SLUDGE PUMP
CHLORINE INJECTION
90° V-NOTCH WEIR WITH LEVEL METER WITH CHART RECORDER
FLW-01
EFA-01
AUTO SAMPLER
D-001
CHIPOLA RIVER
MANUAL BAR SCREEN
INF-01
STOP GATE
MANUAL GRIT CHAMBER
MANUAL BAR SCREEN
MANUAL GRIT CHAMBER
MAG-METER
FLW-02
STOP GATE
DUMPSTER
FLOW SPLITTER BOX
SBR NO. 3
SBR NO. 2
SBR NO. 1
DIGESTER
CHLORINE CONTACT CHAMBER
CHLORINE CONTACT CHAMBER
SULFUR DIOXIDE INJECTION
DUPLEX EFFLUENT PUMPS
EFF-01
RETURN PUMP STATION
TO HEADWORKS
SUBMERSIBLE PUMPS
SLUDGE PUMP STATION
MANUAL BYPASS
DRYING BED NO. 1
DRYING BED NO. 2
DRYING BED NO. 3
DRYING BED NO. 4
HAUL TO LANDFILL
0.72 MG EFFLUENT HOLDING POND
EMERGENCY OVERFLOW
LEGEND
MOTOR OPERATED VALVE
MANUAL VALVE
FLOW METER
AUTOMATIC SAMPLER
ANALYZER
PUMP
CHART RECORDER
HYDRAULIC AND ORGANIC LOADING
FLOW
PHYSICAL, CHEMICAL AND BIOLOGICAL CHARACTERISTICS
DESIGN
INFLUENT
EFFLUENT
TYPE
GPD
GPM
PARAMETER
AVERAGE DAILY
MAX DAILY
PEAK HOURLY
MINIMUM DAILY
TOTAL N
TOTAL P
PREBLE-RISH INC
CONSULTING ENGINEERS AND SURVEYORS
CIVIL + SURVEYING + SITE PLANNING
PROCESS FLOW DIAGRAM
WEWAHITCHKA WWTP
CITY OF WEWAHITCHKA
GULF COUNTY, FLORIDA
PROJECT NO
002.079
SHEET
G-2

PART I: Continued

Receiving Waters:	Classification (indicate whether fresh or marine):
Chipola River	Fresh

Toxicity Test Requirements (routine and/or additional test language, test species, salinity adjustment, etc.):

Not required

Administrative or Consent Orders (date executed, specific requirements, interim limit dates-if applicable, etc.):

AO090NW was issued along with Permit FL0020125 on September 30, 2014 and expires December 15, 2019. The AO allows the City of Wewahitchka a reasonable amount of time for the facility's discharge to meet the currently applicable criteria for minimum % Dissolved Oxygen saturation in the Chipola River, Class III Freshwater, pursuant to Rule 62-302.533(1)(a)1.,F.A.C.

Facility Mixing Zone Details (if applicable):

List Permit Violations (DMR data) and plant upsets that occurred at the plant within the last year:

Date	Parameter and Units	Limit	Result
6/30/2017	Fecal Coliform #/100mL	14.0	54
5/31/2017	Fecal Coliform #/100mL	14.0	54
4/30/2017	Fecal Coliform #/100mL	14.0	54
3/31/2017	Fecal Coliform #/100mL	14.0	54
3/31/2017	Dissolved Oxygen % saturation	90.0	87
2/28/2017	Fecal Coliform #/100mL	14.0	61.5
2/28/2017	Dissolved Oxygen % saturation	90.0	61
1/31/2017	Fecal Coliform #/100mL	14.0	61.5

Describe previous FYI and WQBEL study:

Previous FYI sampling was conducted June 24 and 25, 2013. The 2013 Biological Assessment of the receiving water showed the effluent did not appear to be adversely affecting the biota and there were no detectable signs of enhanced nutrient enrichment in this portion of the Chipola River.

Describe previous or current Enforcement Actions (including WLs):

None

Describe any violations or problems noted in previous inspection:

CEI inspection performed February 15, 2016 noted the following effluent quality and/or permit limit violations:

Date	Parameters	Permit Limit	Analytical Value
November 2015	Fecal (Max)	86/100mL	920/100mL
December 2015	Fecal Annual Average	14/100mL	28/100mL
December 2015	TSS (Max)	20 mg/L	38 mg/L
December 2015	TSS Monthly	12.5 mg/L	20 mg/L

Discuss whether DMR trends within previous five years are improving or declining: 2013 – 14 violations 2014 – 12 violations 2015 – 6 violations 2016 – 18 violations 2017 – 8 violations Based on the above information, the DMRs showed an improving trend from 2013 thru 2015 but experienced a decline in 2016. 2017 started to show an improvement.
Additional Comments (this should include a trend of the Effluent, i.e. if the facility is now Reuse):

PART II: Sampling Event Information	
Date(s) sample collected: March 5, 2018	Sampler(s): Mark Sumner, Lucas Grantham
Temperature (Deg C): Not Recorded	pH (SU): 7.2
Dissolved Oxygen (mg/L): 7.6	Conductivity (umhos/cm): N/A
Total Residual Chlorine (mg/L): 1.01	Total Residual Chlorine - after Disinfection (mg/L): ≤ 0.2 U
Method of Chlorination: Gas	Method of De-chlorination: Sulfur Dioxide
Flow During Sample Collection for each outfall(MGD): 0.081MGD	
Mean Flow for each outfall for previous 12 months based on sampling date (If samples are taken on more than one day, indicate Mean Flow for each day): 0.121 MGD	
Describe Discharge during Sampling Event: ☒ Continuous ☐ Intermittent ☐ Seasonal ☐ Rainfall Dependent ☐ Other, please specify:	
Describe any conditions, difficulties or abnormal events that occurred during the sample collection and any other additional comments here: N/A	

Appendix B

Explanation of Measurements

Biological assessments are prepared by DEP staff to provide information for review of NPDES permit renewal applications. Biological assessments, in conjunction with other information concerning the subject facility and its receiving-water body, are used to determine appropriate permit conditions. References to Rule 62-302.530, F.A.C., are to the currently applicable surface water quality criteria table with an effective date of 02/17/2016 and a notice identification number of 17115667. New limits for *Escherichia coli* (*E. coli*), enterococci, and total ammonia nitrogen were approved on 07/24/2017**.**

1) Quality Assurance and Quality Control

All field and laboratory methods followed DEP Standard Operating Procedures (see https://floridadep.gov/dear/quality-assurance/content/dep-sops and https://floridadep.gov/dear/florida-dep-laboratory/content/dep-laboratory-quality-assurance-manual-and-sops for details) and met DEP quality assurance/quality control standards (see https://floridadep.gov/dear/quality-assurance).

2) Chemical Analyses of the Effluent

The effluent was analyzed for nutrients, metals, organic constituents (base, neutral, and acid extractables) and pesticides following DEP SOPs. The results from these analyses were compared with Water Quality Criteria (62-302, F.A.C.) and facility permit limits.

3) Bacteriological Testing

High levels of fecal coliform bacteria may constitute an exceedance of 62-302.530(6) and/or facility permit limits. Fecal coliform and enterococci results often are based on colony counts outside the acceptable range (B-qualifier). The dilutions performed on the sample did not yield results within the method acceptable range of 20- 60 colony forming units per plate. The B-qualifier does not affect data quality.

4) Habitat Assessment

Habitat assessment is used to evaluate the physical structure and extent of disturbance in a waterbody. Eight aspects are ranked, with 20 possible points for each aspect (QA Rule SOP FT 3100). The Habitat Assessment score includes types and amounts of benthic substrates, water velocity, amount of sand or silt accumulation, extent of artificial channelization, bank stability, and riparian zone width and vegetation type. All scores are summed to yield an overall Habitat Assessment score. Habitat Assessment score ranges from 11-160 and overall habitat quality is assigned to one of four categories: Optimal (120-160 points), Suboptimal (80-119 points), Marginal (40-79 points), and Poor (11-39 points).

5) Algal Growth Potential (AGP)

The algal growth potential (AGP) value is the peak growth of the alga within that 14-day period, recorded as mg dry weight/L. AGP results within the range 6.10 to 20.0 mg dry wt/L are suggested to be representative of high productivity for freshwaters (Miller et al. 1978). High AGP values may constitute exceedances of 62-302.530(46), F.A.C., 62-302.530(47)(a), F.A.C. and/or 62-302.530(47)(b), F.A.C..

The concentration of nutrients in a water sample may be used to calculate the expected yield of AGP under the assumption that other required nutrients (e.g. silicon, micronutrients) are present in excess (Miller *et al*. 1978). The expected amount of production is calculated as 38 times the total soluble inorganic nitrogen (nitrate and nitrite plus ammonia) under nitrogen limitation or 430 times the ortho-phosphate (OP) concentration under phosphorus limitation with an error of $\pm$ 20%. When the ratio of nitrogen to phosphorus (N: P) is less than 10:1, nitrogen limitation of algal production is likely. When the N: P ratio is 20:1 or greater, phosphorus limitation is likely (USEPA 2000). For ratios in-between, co-limitation may occur. Production of lower biomass than expected may be evidence of growth inhibition related to toxic compounds present in the water sample tested and may constitute an exceedance of 62-302.530(61), F.A.C.

6) Benthic Macroinvertebrate Assemblages

Benthic macroinvertebrates were collected using two methods. Quantitative samples were collected from Hester-Dendy multi-plate samplers incubated for 28 days. Qualitative collections are made using 20 dipnet sweeps (QA Rule SOP FS7420). Benthic macroinvertebrates were sorted and identified to the lowest practical taxonomic level, usually species.

Taxa richness: Taxa richness is the number of distinct macroinvertebrate taxa present in a sample. Stress, habitat destruction and pollution tend to reduce the number of different types of organisms present (Karr and Chu 1998). Decreases in taxa richness related to a facility's effluent may constitute exceedances of 62-302.530(46), F.A.C., 62-302.530(47)(a), F.A.C., 62-302.530(47)(b), F.A.C. and/or 62-302.530(61), F.A.C.

Percent Contribution of Dominant Taxon: Percent contribution of the dominant taxon is calculated by dividing the number of individuals in the most abundant taxa by the total number of individuals counted. Percent contribution of the dominant taxon tends to increase with increasing perturbation (Plafkin *et al*., 1989). Increases in the percent contribution of the dominant taxon related to a facility's effluent may constitute exceedances of 62-302.530(46), F.A.C., 62-302.530(47)(a), F.A.C. and/or 62-302.530(47)(b), F.A.C.

Community Composition: Shifts in proportions of major groups of organisms downstream of a point source, compared to upstream, control conditions, may indicate negative effects of a discharge (Fore et. al. 2007, Karr and Chu 1998). Shifts in community composition related to a facility's effluent may constitute exceedances of 62-302.530(46) F.A.C., 62-302.530(47)(a), F.A.C., 62-302.530(47)(b), F.A.C. and/or 62-302.530(61), F.A.C.

Functional Feeding Groups: Environmental degradation may differentially affect groups of invertebrates based on how the group feeds (e.g. predators, deposit feeders, etc.). In Florida, pollution may be responsible for reducing the numbers of filter feeders and shredders (Fore et. al. 2007). Changes in the proportions of functional feeding groups related to a facility's effluent may constitute exceedances of 62-302.530(46), F.A.C., 62-302.530(47)(a), F.A.C., 62-302.530(47)(b), F.A.C. and/or 62-302.530(61), F.A.C..

Shannon-Weaver Diversity Index: This index is specified in the Florida Administrative Code 62-302 as a measure of biological integrity. Low diversity scores are undesirable. Where diversity is low, only a few taxa are abundant as compared to an area where many taxa are present in equitable abundance among taxa (Magurran 1988). A difference of 25% in Shannon-Weaver diversity between results from Hester-Dendy multiplate samplers incubated for 28 days at test and control sites constitute exceedances of 62-302.530(10), F.A.C.

7) Rapid Periphyton Survey

Rapid Periphyton Survey (RPS) is a rapid method to quantify the extent and abundance of attached algae (periphyton) in a stream or river. A total of 99 points are assessed within a 100m area of sampling reach, 9 equidistant points along 11 cross-section transects spaced 10 m apart, If greater than 20% of sampled points have algal lengths greater than 6mm, a sample is collected and the autecological information associated with the dominant algae is evaluated (see DEP SOP FS 7230 Rapid Periphyton Survey). This method could be used to determine floral health associated with Chapter 62-302.531, F.A.C.

8) Linear Vegetation Survey

Linear Vegetation Survey (LVS) is a rapid screening tool for ecological condition, by determining how closely a site's flora resembles that of an undisturbed condition. When the total area of macrophytes equals or exceeds two square meters within the wetted area of the 100 m sampling reach, macrophyte taxonomic names are recorded (DEP SOP FS 7320 Stream and River Linear Vegetation Survey (LVS) Method). This method could be used to determine floral health associated with Chapter 62-302.531, F.A.C.

9) Definition of Qualifiers

A - Value reported is the mean of two or more determinations
B - Results based on colony counts outside the acceptable range.
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J - Estimated value
K - Actual value is known to be less than value given
L - Actual value is known to be greater than value given
N - Presumptive evidence of presence of material.
O - Sampled, but analysis lost or not performed.
Q - Sample held beyond normal holding time.
T - Value reported is less than the criterion of detection.

U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.
V - Analyte was detected in both sample and method blank.
X - Too few individuals to calculate SCI value.
Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
Z - Colonies were too numerous to count (TNTC)

Appendix C

Chain of Custody

Request Number: RQ-2018-02-26-55

FYI5 City of Wewahitchka "Ricky McMillion" WWTP Sampling Inspection

Customer: NW-DIST

Project ID: FYI5

Florida Department of Environmental Protection

Central Laboratory Submittal Form

last revised Jan 25, 2018

Requester: Lillian Haynes

Field Report Prepared By: A. Rankin

Collected By: Rankin, Amelia; Haynes, Lillian; Johnson, Herb; Pennington, Adrienne

Sampling Agency: FDEP

Location: Wewahitchka WWTP	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 3/5/18 Time 1025	Eastern Central	Composite end Date	Time				Bottle Group(s) (See pg 2): A, E
Field ID: Field Blank	Matrix (type, e.g., Salt, Fresh, etc): DI water		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)				
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)				
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments						
Location: Wewahitchka WWTP	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 3/5/18 Time 1055	Eastern Central	Composite end Date	Time				Bottle Group(s): A
Field ID: Effluent	Matrix (type, e.g., Salt, Fresh, etc): fresh		Diss. Oxygen 6.97 6.2 mg/L	☑ mg/L ☑ % sat	Total Res. Chlorine (mg/L) 0.05 ≤0.2				
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm) ABC 4.23.19				
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments						
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date	Time				Bottle Group(s)
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)				
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)				
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments						
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date	Time				Bottle Group(s)
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)				
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)				
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments						

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	3.5.18 1502	Hand delivery	3		3/5/18 15:40

*transcription error noticed when writing report ABC 4.23.19

Request Number: RQ-2018-02-26-55

FYI5 City of Wewahitchka "Ricky McMillion" WWTP Sampling Inspection

Customer: NW-DIST

Project ID: FYI5

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Requester: Lillian Haynes

Field Report Prepared By:

Collected By: Todd Risk, Rachael Dragon

Sampling Agency: FDEP

Location			☐ Comp ☑ Grab	Collection (comp begin or grab) Date 3/5/18 Time 1145	Eastern (Central)	Composite end Date	Time	Bottle Group(s) (See pg 2)	
Field ID: Control Site			Matrix (type, e.g., Salt, Fresh, etc): Fresh		Diss. Oxygen: 84.1	☐ mg/L ☑ % sat	Total Res. Chlorine (mg/L)	C/D	
WIN/STORET #			Temp (C): 18.58	pH: 7.29	Sample Depth: 0.15	☐ ft ☑ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms		Salinity (ppt)	Comments: W14Diox Not preserved					
Location			☐ Comp ☑ Grab	Collection (comp begin or grab) Date 3/05/18 Time 1110	Eastern (Central)	Composite end Date	Time	Bottle Group(s)	
Field ID: Test Site			Matrix (type, e.g., Salt, Fresh, etc): Fresh		Diss. Oxygen: 82.9	☐ mg/L ☑ % sat	Total Res. Chlorine (mg/L)	C/D	
WIN/STORET #			Temp (C): 18.55	pH: 7.42	Sample Depth: 0.15	☐ ft ☑ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms		Salinity (ppt)	Comments: W14Diox Over Preserved					
Location			☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date	Time	Bottle Group(s)	
Field ID			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #			Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms		Salinity (ppt)	Comments					
Location			☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date	Time	Bottle Group(s)	
Field ID			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #			Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms		Salinity (ppt)	Comments					

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
[illegible]	3/5/18 16:50	Hand Delivered			3/5/18 4:50

Appendix D

DEP SOP 001/01: Form FD 9000.3 (9/19/12)

PHYSICAL/CHEMICAL CHARACTERIZATION FIELD SHEET

SAMPLE ID: _____ ORG ID: _____ LATITUDE: _____

COUNTY: _____ STORET #: _____ LONGITUDE: _____

DATE: 3/5/18 TIME: 1110 CST SAMPLING AGENCY: _____

SITE NAME: Test Site

FIELD ID/NAME: _____ RECEIVING BODY OF WATER: _____

RIPARIAN ZONE / STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category)

Forest/Natural | Silviculture | Field/Pasture | Agricultural | Residential | Commercial | Industry | Other (Specify) | Landscape Development Intensity Index (LDI)

Local Watershed Erosion (select one): ☐ None ☐ Slight ☐ Moderate ☐ Heavy

Local Watershed NPS Pollution: ☐ No evidence ☐ Slight ☐ Moderate ☐ Heavy

Width of Riparian Vegetation (m) on Each Buffer Side: Left Bank: ____ Right Bank: ____

Hydrologic Modification Score (per FT 3191): ____

High Water Mark: ____ (m) - ____ (m stream present water level) = ____ (m present depth above bed)

Artificially Impounded: ☐ Yes ☐ No

Typical Width (m) Depth (m)/Velocity (m/sec) Transect: ____ m wide; ____ m deep; ____ m/sec; ____ m deep; ____ m/sec; ____ m deep; ____ m/sec

Artificially Channelized: ☐ No ☐ Some recovery ☐ Mostly recovered, minor alterations ☐ Recent, severe

Canopy Cover %: ☐ Open ☐ Lightly Shaded (11-45%) ☐ Heavily Shaded ☐ Moderately Shaded (46-80%)

SEDIMENT / SUBSTRATE

Sediment Oils: ☐ Absent ☐ Slight ☐ Moderate ☐ Profuse

Sediment Odors: ☐ Normal ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Anaerobic ☐ Other (Specify): ____

Smothering of Substrates: Sand Smothering: ☐ None ☐ Slight ☐ Moderate ☐ Severe; Silt Smothering: ☐ None ☐ Slight ☐ Moderate ☐ Severe; Algae Smothering: ☐ None ☐ Slight ☐ Moderate ☐ Severe

SUBSTRATE TYPE

Assessment Tool: ☐ SCI ☐ RPS ☐ EVS ☐ LCI ☐ HighRecon

	% Coverage	INVERT # Times Sampled	PER # Times Sampled
Woody Debris (Snags)			
Undercut Banks / Roots			
Leaf Packs or Mat			
Aquatic Vegetation			
Rock or Shell Rubble			
Sand			
Mud / Muck / Silt			
Other			
Other			

ABUNDANCE

	Absent	Rare	Common	Abundant
Periphyton:	☐	☐	☐	☐
Fish:	☐	☐	☐	☐
Aquatic Plants:	☐	☐	☐	☐
Iron/Sulfur Bacteria:	☐	☐	☐	☐

WATER QUALITY

	Depth (M)	Temp (°C)	pH (SU)	D.O. (MG/L)	D.O. (%)	Cond (UMHOS/CM)	Salinity (PPT)	SECCHI (M)
Top:	0.25	18.55	7.92	7.77	82.9	342	0.01	☐ VOR
Mid.								
Bottom								S / DEPTH

Meter ID: _____

Water Odors: Normal ☐ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐

Water Surface Oils: None ☐ Sheen ☐ Globs ☐ Slick ☐ Other ☐

Water Sample Taken? ☐ Yes ☐ No

Sample Preserved? ☐ Yes ☐ No

Lot Number: _____ Exp: _____

Color: Tannic ☐ Green (Algae) ☐ Clear ☐ Other (Specify) ☐

Algae Sample Taken? ☐ Yes ☐ No

Sample Preserved? ☐ Yes ☐ No

Lot Number: _____ Exp: _____

Clarity: Clear ☐ Slightly Turbid ☐ Turbid ☐ Opaque ☐

System Type: Stream ☐ Lake ☐ Wetland ☐ Estuary ☐ Other(Specify) ☐ _____

WEATHER CONDITIONS / NOTES:

☐ The antecedent hydrologic conditions have been met to my best knowledge

SAMPLING TEAM: Rachael Dragon + Todd Risk

SIGNATURE: _____

DATE: 3/5/18

Physical/Chemical and Habitat Assessment field sheets

Form FD 9000-32 **FDEP Linear Stream Vegetation Survey (DEP SOP FS 7320)** Revised 2_22_13

Waterbody: Test Site (weaghtenka) Date: 3/5/18 County: Storet Number:

Analyst: TSO Risk Signature:

Comments:

Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1 m^2 of taxa present). Note in the boxes below if no dominant are selected, and note total macrophyte abundance rank for each section. Only the most common taxa are listed, so use blank spaces for additional taxa names.

HERBACEOUS SPECIES	Meter Mark 0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	Specimen collected (check)
Alternanthera philoxeroides											
Bacopa caroliniana											
Bacopa monneri											
Bidens mitis											
Boehmeria cylindrica											
Centella asiatica											
Ceratophyllum demersum											
Chara											
Cicuta maculata											
Cladium jamaicense											
Colocasia esculenta											
Crinum americanum											
Diodia virginiana											
Eichhornia crassipes											
Eleocharis (wispy viviparous)											
Hydrilla verticillata											
Hydrocotle											
Hygrophila polysperma											
Hymenocallis											
Lachnanthes caroliniana											
Landoltia punctata											
Lemna											
Limnophila sessiflora											
Ludwigia leptocarpa											
Ludwigia palustris											
Ludwigia peruviana											
Ludwigia repens											
Luziola fluitans											
cypress	X	X					✓				
typha		X									
If no Dominant or Co-Dominant were selected, indicate with an "X"											
Indicate % cover macrophytes per section											
0-5% Macrophyte Coverage											
>5 and ≤10% Macrophyte Coverage											
>10 and ≤25% Macrophyte Coverage											
>25 and ≤50% Macrophyte Coverage											
> 50% Macrophyte Coverage											

HERBACEOUS SPECIES	Meter Mark 0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	Specimen collected (check)
Micranthemum glomeratum											
Micranthemum umbrosum											
Myriophyllum aquaticum											
Najas guadelupensis											
Nuphar luteum											
Orontium aquaticum											
Panicum hemitomon											
Panicum repens											
Panicum rigidulum											
Pistia stratioides											
Polygonum glabra											
Polygonum hydropiperoides											
Polygonum punctatum											
Pontederia cordata											
Potamogeton illinoensis											
Ruellia simplex											
Sacciolepis striata											
Sagittaria kurziana											
Sagittaria lancifolia											
Sagittaria latifolia											
Salvinia minima											
Samolus parviflora											
Saururus cernuus											
Typha											
Vallisneria americana											
Zizania aquatica											

Form FD 9000-25 **FDEP Rapid Periphyton Survey (DEP SOP FS 7230)** Revised 6/12/12

Site: Test Site (Weeki Wachee) | County: | Date: 3/5/18 | Investigators: TRisk / R. Dragon

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N - 6)	Canopy Cover	Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N - 6)	Canopy Cover	Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N - 6)	Canopy Cover
0	1	2		40	1	2		80	1	2	
	2	1			2	1			2	1	
	3	1			3	1			3	1	
	4	1			4	1			4	1	
	5	1			5	1			5	1	
	6	1			6	1			6	1	
	7	1			7	1			7	1	
	8	1			8	1			8	2	
	9	2			9	2			9	X	
10	1	2		50	1	2		90	1	2	
	2	1			2	1			2	1	
	3	1			3	1			3	1	
	4	1			4	1			4	1	
	5	1			5	1			5	1	
	6	1			6	1			6	1	
	7	1			7	1			7	1	
	8	1			8	1			8	2	
	9	2			9	2			9	X	
20	1	2		60	1	2		100	1	X	
	2	1			2	1			2	2	
	3	1			3	1			3	1	
	4	1			4	1			4	1	
	5	1			5	1			5	1	
	6	1			6	1			6	1	
	7	1			7	1			7	3	
	8	1			8	1			8	2	
	9	2			9	2			9	X	
30	1	2		70	1	2					
	2	1			2	1					
	3	1			3	1					
	4	1			4	1					
	5	1			5	1					
	6	1			6	1					
	7	1			7	1					
	8	1			8	1					
	9	2			9	2					

# points ranked 4-6	0
total points assessed	95
% points ranked 4-6	0

Secchi depth: .9m

Check accompanying data collected at same site/date.	
Algal mat sample	
Habitat Assessment	✓
Linear Veg. Survey	✓
SCI/Biorecon (circle 1)	
Water sample	✓
RQ: 2018-03-26-55	

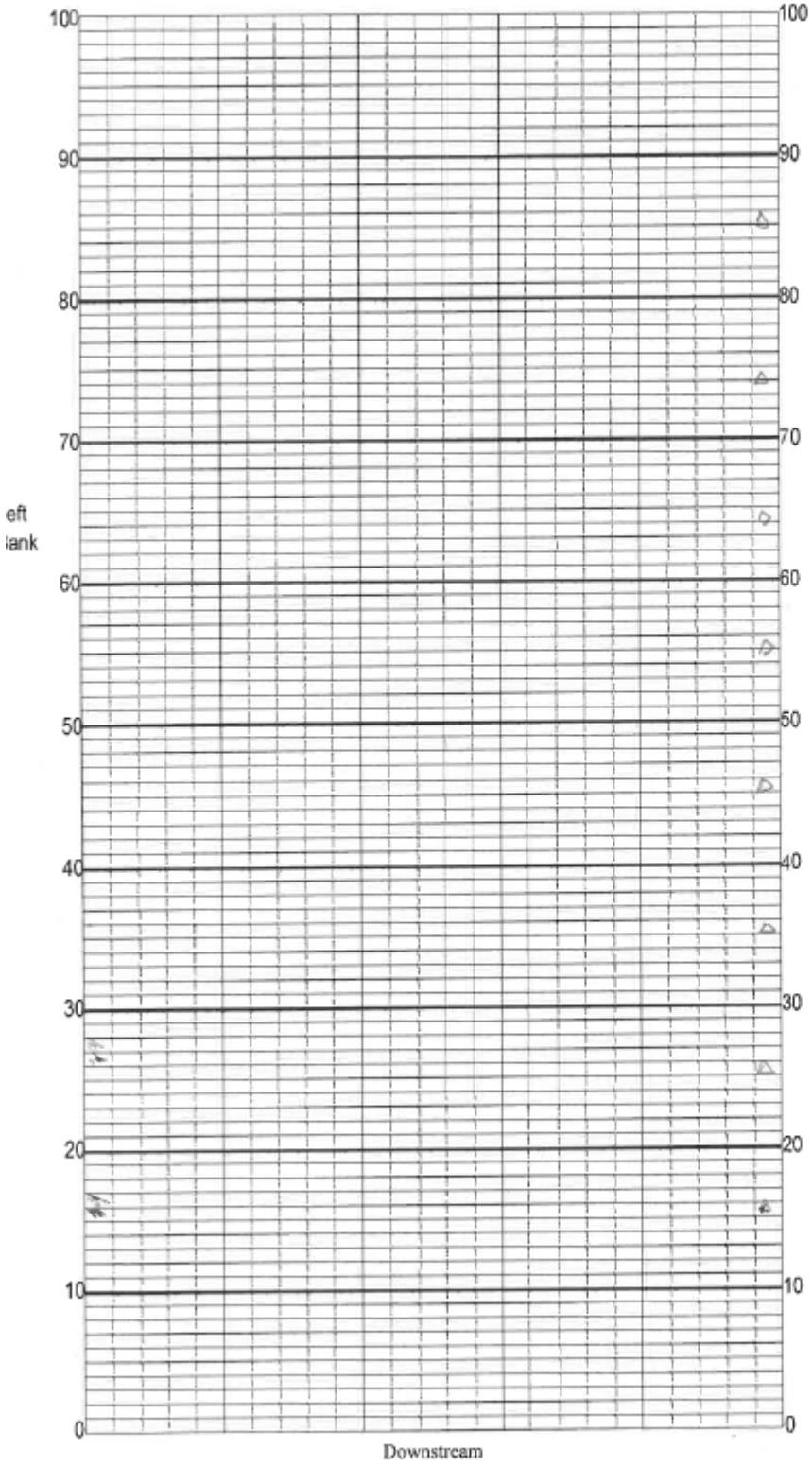
Algal Thickness Rank	
N	rough, no algae; slimy; algae to 1 mm
3	>1mm - 6 mm
4	>6 - 20 mm
5	>20 mm - 10 cm
6	>10 cm

Record "N" for points deeper than the Secchi depth; algae are presumed absent. Record "X" for points shallower than Secchi depth for which substrate cannot be seen or reached with the hand. Note if thickness estimated for deep points which can be seen but not reached.

Record canopy cover as the number of small densiometer quadrants (out of 96) that HAVE canopy cover. Measure facing upstream at point 4, 5, or 6.

Collect an algal mat sample following DEP SOP FS 7240 if the percentage of total sampled points with a thickness rank of 4, 5, or 6 is >20%.

DEP-SOP-001/01 Form FD 9000-4
Stream/River Habitat Sketch Sheet



Location: Test Site (Wenatchee)

Date: 3/5/18

Sampler: Tom Rick

100 m: Lattitude _____
Longitude _____

0 m: Lattitude _____
Longitude _____

Substrates: Code key, draw proportionate habitat abundance. %

- Snags ____
- Roots/undercut banks ____
- Leaf Packs (or mats) ____
- Aquatic Macrophytes ____
- _____ ____
- _____ ____
- Pools total # observed = ____ # range expected = ____

Average width _____ m
Average depth _____ m

Velocity measured at 100 meter mark.

WQ & chemistry taken at 100 meter mark.

Habitat Smothering:
Note areas (on map) where sand or silt is smothering substrates, limiting habitability.

Bank Stability:
Note areas (on map) with unstable, eroding banks.

Riparian Buffer Width:
Note areas (on map) where natural vegetation is altered or eliminated.

Plants observed / other notes:

Length of grid represents 100 m of stream (not linear meters).
(Horizontal scale is double vertical scale, draw proportionately).

Revision Date: June 2, 2011

DEP-SOP-001/01: Form FD 9000-5

STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION

STREAM/RIVER HABITAT ASSESSMENT FIELD SHEET

SUBMITTING AGENCY CODE: / SUBMITTING AGENCY NAME:	STORET STATION NUMBER:	DATE (MM/DD/YY): 3/5/18	RECEIVING BODY OF WATER:
REMARKS:	COUNTY:	LOCATION: TEST SITE (new hatchery)	FIELD ID/NAME:

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components **Substrate Diversity** 2	Four or more major productive habitats present [snags, tree roots, aquatic vegetation, leaf packs (partially decayed), rock] 20 19 18 17 16	Three major productive habitats present. Adequate habitat. Some substrates may be new fall (fresh leaves or snags) 15 14 13 12 11	Two major productive habitats present. Less than desirable habitat, frequently disturbed or removed 10 9 8 7 6	One or less major productive habitat. Lack of habitat is obvious, substrates unstable or smothered 5 4 3 (2) 1
Substrate Availability 1	Greater than 30% major productive habitat present at site 20 19 18 17 16	16% to 30% major productive habitat, by aerial extent 15 14 13 12 11	6% to 15% major productive habitat 10 9 8 7 6	Less than 5% major productive habitat 5 4 3 2 (1)
Water Velocity 20	Max. observed at typical transect: > 0.25 m/sec. But < 1 m/sec ≥0.33 0.31 0.29 0.27 >0.25 (20) 19 18 17 16	Max. observed at typical transect: >0.1 to 0.25 m/sec 0.25 0.21 0.17 0.13 >0.1 15 14 13 12 11	Max. observed at typical transect: 0.05 to 0.1 m/sec 0.1 0.09 0.07 0.06 0.05 10 9 8 7 6	Max. observed at typical transect: <0.05 m/sec; or spate occurring: > 1 m/sec <0.05 0.04 0.03 0.01 <0.01 5 4 3 2 1
Habitat Smothering 20 Primary Score 43	Adequate number of stable pools (1-2 per 12 times width) and <25% of habitats affected by sand, silt, or algae. (20) 19 18 17 16	Adequate number of stable pools (1-2 per 12 times width) and >25% of habitats affected by sand, silt, or algae. 15 14 13 12 11	Does not have required number of stable pools (1-2 per 12 x width) and/or has shallow pools (<2 x prevailing depth). 10 9 8 7 6	Stable pools are absent. Most habitats affected by sand, silt, or algae accumulation. 5 4 3 2 1
Secondary Habitat Components **Artificial Channelization** 20	Expected sinuosity given the stream width. No evidence of dredging or artificial straightening. No spoil banks. (20) 19 18 17 16	Good sinuosity within old channelized area. Evidence of dredging in the past (>25 yrs) but mostly recovered. 15 14 13 12 11	Straightened with trapezoidal cross section, but has a small degree of sinuosity developed within channelized area. 10 9 8 7 6	Straightened or engineered by dredging, has trapezoidal or box cut cross section, lacks required pools. May have spoil banks. 5 4 3 2 1
Bank Stability Right Bank 10 Left Bank 8	Bankfull > 60% of bank height. Slope of bank ≤ 60° from bankful to top of bank. Bankfull is within or above the root zone with few raw, eroded areas. (10) 9	Only meets 2 of the 3 requirements for optimal bank stability. (8) 7 6	Only meets 1 of the 3 requirements for optimal bank stability. 5 4	Bankfull < 60% of bank height. Slope of bank > 60°. Bankfull is below the root zone with raw, eroded areas. 3 2 1
Riparian Buffer Zone Width Right Bank 10 Left Bank 8	Width of vegetation greater than 18 m (10) 9	Width of vegetation >12 to 18m (8) 7 6	Width of vegetation 6 to 12 m. human activities close to system 5 4	Less than 6 m of buffer zone due to intensive human activities 3 2 1
Riparian Zone Vegetation Quality Right Bank 10 Left Bank 9 Secondary Score 75	Over 80% of riparian surfaces consist of normal, expected plant community for given sunlight & habitat conditions (e.g., native plants; tree, shrub, and forbs represented, if appropriate). Minimal disturbance. (10) (9)	>50% to 80% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Some disruption in community observed. 8 7 6	25% to 50% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Disruption obvious. 5 4	Less than 25% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). 3 2 1

118 **TOTAL SCORE**

Date: 3/5/18	Analyst: Todd Risk	Signature:

DEP-SCP-001/01: Form FD 9000-3 (9/19/12)

PHYSICAL/CHEMICAL CHARACTERIZATION FIELD SHEET

SAMPLE ID: _____ ORG ID: _____ LATITUDE: _____

COUNTY: _____ STORET #: _____ LONGITUDE: _____

DATE: 3/5/18 TIME: 1345 - 1355 EST SAMPLING AGENCY: _____

SITE NAME: Control Site

FIELD ID/NAME: _____ RECEIVING BODY OF WATER: _____

RIPARIAN ZONE / STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category):

Forest/Natural	Silviculture	Field/Pasture	Agriculture	Residential	Commercial	Industry	Other (Specify):

Landscape Development Intensity Index (LDI): _____

Local Watershed Erosion (select one): ☐ None ☐ Slight ☐ Moderate ☐ Heavy

Local Watershed NPS Pollution: ☐ No evidence ☐ Slight ☐ Moderate ☐ Heavy

Width of Riparian Vegetation (m) on Each Buffer Side: Left Bank: 10+ Right Bank: > 10

Hydrologic Modification Score (per FT 210.): _____

Artificially Impounded: ☐ Yes ☒ No

High Water Mark: _____ + _____ = _____ (m) (above present water) (present depth) (above bank)

Artificially Channelized: ☐ No ☐ Mostly recovered, more sinuous ☐ Some recovery ☐ Recent, severe

Canopy Cover %: ☒ Open ☐ Lightly Shaded (11-45%) ☐ Heavily Shaded ☐ Moderate Shaded (46-82%)

Typical Width (m) Depth (m)/Velocity (m/sec) Transect

_____ m wide

.5 m/s	_____ m/s	_____ m/s
_____ m/sec	_____ m/sec	_____ m/sec

SEDIMENT / SUBSTRATE

Sediment Oils: ☐ Absent ☐ Slight ☐ Moderate ☐ Profuse

Sediment Odors: ☐ Normal ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Anaerobic ☐ Other (Specify):

Smothering of Substrates:
Sand Smothering: None ☐ Slight ☐ Moderate ☐ Severe ☐
Silt Smothering: None ☐ Slight ☐ Moderate ☐ Severe ☐
Algae Smothering: None ☐ Slight ☐ Moderate ☐ Severe ☐

SUBSTRATE TYPE

Assessment Tool: ☐ SCI ☐ RFS ☐ LVS ☐ LCI ☐ BioRecon

	% Coverage	INVERT # Times Sampled	PER # Times Sampled
Woody Debris (Snags)			
Undercut Banks / Roots			
Leaf Packs or Mat			
Aquatic Vegetation			
Rock or Shell Rubble			
Sand			
Mud / Muck / Silt			
Other			
Other			

ABUNDANCE

	Absent	Rare	Common	Abundant
Periphyton	☐	☐	☐	☐
Fish	☐	☐	☐	☐
Aquatic Plants	☐	☐	☐	☐
Iron/Sulfur Bacteria	☐	☐	☐	☐

WATER QUALITY

	Depth (M)	Temp (°C)	pH (SU)	D.O (MG/L)	D.O (%)	Cond. (mS/cm)	Salinity (PPT)	Secchi (M)
Top:	0.25	17.36	7.29	7.78	84.1	142	0.07	
Mid:								☐ VOS
Bottom								SITE DEPTH

Meter ID: _____

Water Odors: Normal ☐ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐

Water Surface Oils: Normal ☐ Sheen ☐ Globs ☐ Slick ☐ Other ☐

Water Sample Taken? ☐ Yes ☐ No

Sample Preserved? ☐ Yes ☐ No

Lot Number: _____ Exp: _____

Color: Tannic ☐ Green (Algae) ☐ Clear ☐ Other (Specify) ☐ _____

Algae Sample Taken? ☐ Yes ☐ No

Sample Preserved? ☐ Yes ☐ No

Lot Number: _____ Exp: _____

Clarity: Clear ☐ Slightly Turbid ☐ Turbid ☐ Opaque ☐

System Type: Stream ☐ Lake ☐ Wetland ☐ Estuary ☐ Other (Specify) ☐ _____

WEATHER CONDITIONS / NOTES:

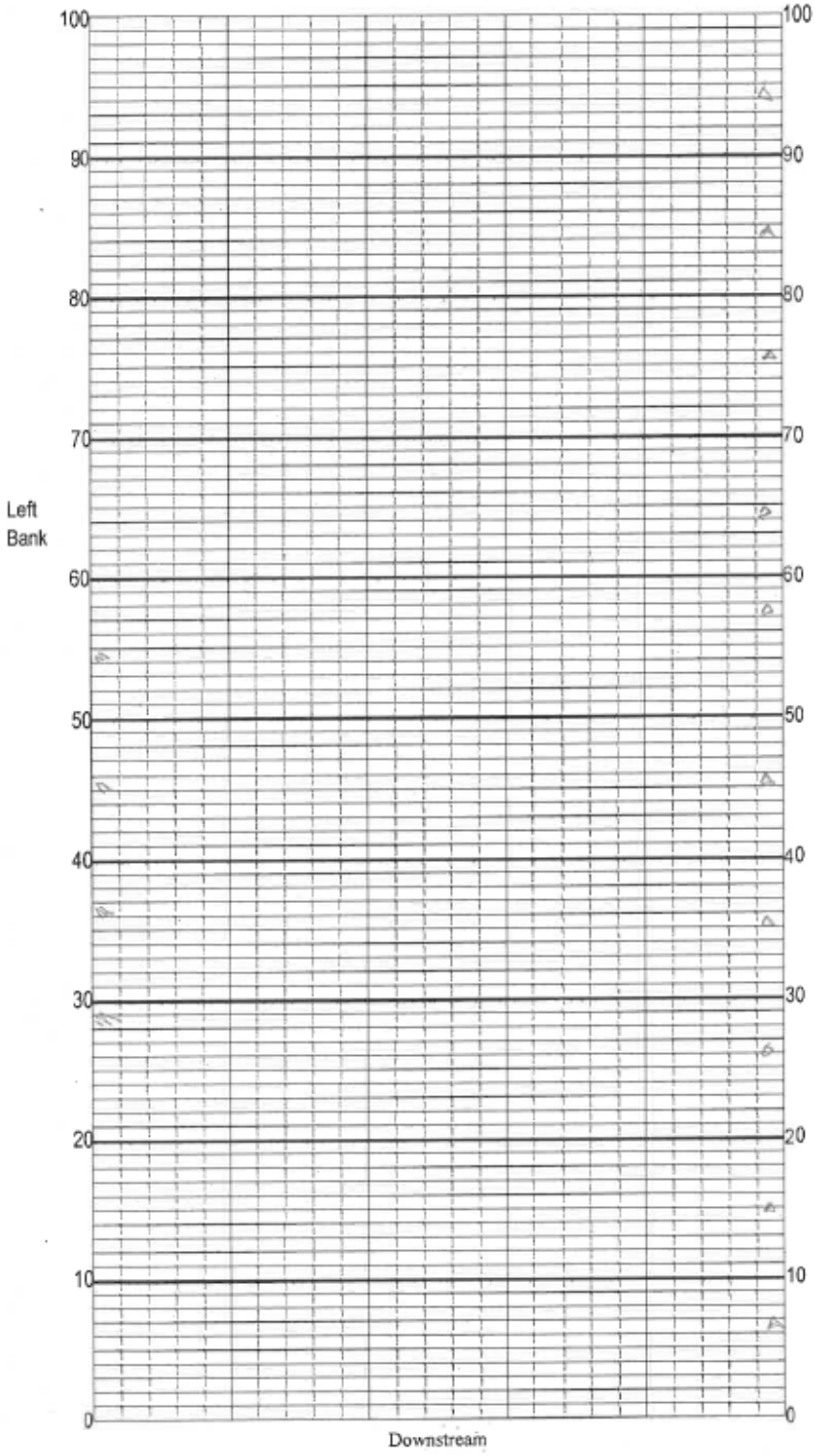
☐ The antecedent hydrologic conditions have been met to my best knowledge.

SAMPLING TEAM: Rachael Dragon & Todd Rusk

SIGNATURE: Rachael Dragon

DATE: 3/5/18

DEP-SOP-001/01 Form FD 9000-4
Stream/River Habitat Sketch Sheet



Location: Control Site

Date: 3/5/18

Sampler: TODD

100 m: Lattitude _____
Longitude _____

0 m: Lattitude _____
Longitude _____

Substrates: Code key, draw proportionate habitat abundance. %

- Snags ____
- Roots/undercut banks ____
- Leaf Packs (or mats) ____
- Aquatic Macrophytes ____
- _____ ____
- _____ ____
- Pools total # observed = ____ # range expected = ____

Average width _____ m
Average depth _____ m

Velocity measured at 0 meter mark.

WQ & chemistry taken at 0 meter mark.

Habitat Smothering:
Note areas (on map) where sand or silt is smothering substrates, limiting habitability.

Bank Stability:
Note areas (on map) with unstable, eroding banks.

Riparian Buffer Width:
Note areas (on map) where natural vegetation is altered or eliminated.

Plants observed / other notes:

Length of grid represents 100 m of stream (not linear meters).
(Horizontal scale is double vertical scale, draw proportionately).

Revision Date: June 2, 2011

Form FD 9000-32 **FDEP Linear Stream Vegetation Survey (DEP SOP FS 7320)** Revised 2_22_13

Waterbody: Control Site (Wekiwa tributary) Date: 3/5/18 County: Storet Number:

Analyst: Todd Trish Signature:

Comments:

Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1 m^2 of taxa present). Note in the boxes below if no dominant are selected, and note total macrophyte abundance rank for each section. Only the most common taxa are listed, so use blank spaces for additional taxa names.

HERBACEOUS SPECIES	Meter Mark 0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	Specimen collected (check)
Alternanthera philoxeroides											
Bacopa caroliniana											
Bacopa monnieri											
Bidens mitis											
Boehmeria cylindrica											
Centella asiatica											
Ceratophyllum demersum											
Chara											
Cicuta maculata											
Cladium jamaicense											
Colocasia esculenta											
Crinum americanum											
Diodia virginiana											
Eichhornia crassipes											
Eleocharis (wispy viviparous)											
Hydrilla verticillata											
Hydrocotle											
Hygrophila polysperma											
Hymenocallis											
Lachnanthes caroliniana											
Landoltia punctata											
Lemna											
Limnophila sessiflora											
Ludwigia leptocarpa											
Ludwigia palustris											
Ludwigia peruviana											
Ludwigia repens											
Luziola fluitans											
Typha	✓										
If no Dominant or Co-Dominant were selected, indicate with an "X"											
Indicate % cover macrophytes per section											
0-5% Macrophyte Coverage											
>5 and ≤10% Macrophyte Coverage											
>10 and ≤25% Macrophyte Coverage											
>25 and ≤50% Macrophyte Coverage											
> 50% Macrophyte Coverage											

HERBACEOUS SPECIES	Meter Mark 0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	Specimen collected (check)
Micranthemum glomeratum											
Micranthemum umbrosum											
Myriophyllum aquaticum											
Najas guadelupensis											
Nuphar luteum											
Orontium aquaticum											
Panicum hemitomon											
Panicum repens											
Panicum rigidulum											
Pistia stratioides											
Polygonum glabra											
Polygonum hydropiperoides											
Polygonum punctatum											
Pontederia cordata											
Potamogeton illinoensis											
Ruellia simplex											
Sacciolepis striata											
Sagittaria kurziana											
Sagittaria lancifolia											
Sagittaria latifolia											
Salvinia minima											
Samolus parviflora											
Saururus cernuus											
Typha											
Vallisneria americana											
Zizania aquatica											

Form FD 9000-25 **FDEP Rapid Periphyton Survey (DEP SOP FS 7230)** Revised 6/12/12

Site: control site (wewahitchka) | County: | Date: 3/5/14 | Investigators: TR:SK / R. Dragon

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N - 6)	Canopy Cover	Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N - 6)	Canopy Cover	Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N - 6)	Canopy Cover
0	1	N		40	1	N		80	1	N	
	2				2				2		
	3				3				3		
	4				4				4		
	5				5				5		
	6				6				6		
	7				7				7		
	8	N			8	N			8	N	
	9	X			9	X			9	X	
10	1	N		50	1	N		90	1	~~N~~ 3	
	2				2				2	N	
	3				3				3		
	4				4				4		
	5				5				5		
	6				6				6		
	7				7				7		
	8	N			8	N			8	N	
	9	X			9	X			9	X	
20	1	N		60	1	N		100	1	N	
	2				2				2		
	3				3				3		
	4				4				4		
	5				5				5		
	6				6				6		
	7				7				7		
	8	N			8	N			8	N	
	9	X			9	X			9	X	
30	1	N		70	1	N					
	2				2						
	3				3						
	4				4						
	5				5						
	6				6						
	7				7						
	8	N			8	N					
	9	X			9	X					

# points ranked 4-6	0
total points assessed	78
% points ranked 4-6	0

Secchi depth: .9 m

Check accompanying data collected at same site/date.	
Algal mat sample	
Habitat Assessment	✓
Linear Veg. Survey	✓
SCI/Biorecon (circle 1)	
Water sample	✓
RQ:	

Algal Thickness Rank	
N	rough, no algae; slimy; algae to 1 mm
3	>1mm - 6 mm
4	>6 - 20 mm
5	>20 mm - 10 cm
6	>10 cm

Record "N" for points deeper than the Secchi depth; algae are presumed absent. Record "X" for points shallower than Secchi depth for which substrate cannot be seen or reached with the hand. Note if thickness estimated for deep points which can be seen but not reached.

Record canopy cover as the number of small densiometer quadrants (out of 96) that HAVE canopy cover. Measure facing upstream at point 4, 5, or 6.

Collect an algal mat sample following DEP SOP FS 7240 if the percentage of total sampled points with a thickness rank of 4, 5, or 6 is >20%.

Appendix E

Chemical analysis of effluent and receiving water

Date Sampled	Station	Field Sample ID	SCH Group	Component	Result	Units	MDL	PQL
3/5/2018 11:55	Wewahitchka WWTP	Effluent	AGP/LN	Algal Growth Potential	302	mg DryWt/L	0.3	0.9
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	2.5	µg/L	0.55	1.7
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	2.6	µg/L	0.4	1.2
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Chlorophyll/Grain Size/BOD	Biochemical O_2 Demand-5 Day,N-Inhib	4.3 J	mg/L	0.2	2
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Chlorophyll/Grain Size/BOD	Phaeophytin-a	0.40 U	µg/L	0.4	1.2
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Microbiology	Escherichia Coli-Quanti-Tray	83.9	MPN/100 mL	1	1
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Microbiology	Fecal Coliforms-Membrane Filter	63 A	cfu/100 mL	2	2
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Metals	Iron	95 I	µg/L	30	120
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Metals	Calcium	36.7	mg/L	0.075	0.3
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Metals	Cadmium	0.020 U	µg/L	0.02	0.08
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Metals	Copper	4.2	µg/L	0.2	0.8
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Metals	Chromium	0.40 U	µg/L	0.4	1.6
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Metals	Silver	0.010 U	µg/L	0.01	0.04
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Metals	Aluminum	60 U	µg/L	60	240
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Metals	Nickel	1.13	µg/L	0.2	0.8
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Metals	Lead	0.19 I	µg/L	0.05	0.2
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Metals	Potassium	12.7	mg/L	0.3	1.2
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Metals	Magnesium	30.8	mg/L	0.04	0.16
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Metals	Zinc	50	µg/L	5	20
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Metals	Arsenic	0.24	µg/L	0.05	0.2
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Metals	Selenium	0.20 U	µg/L	0.2	0.8
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Metals	Sodium	64.5	mg/L	0.5	2
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Nutrients	Turbidity	2.4 A	NTU	0.1	0.13
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Nutrients	Total-P	2.9	mg P/L	0.025	0.25
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Nutrients	Color (true)	12	PCU	2.5	6
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Nutrients	Sulfate	94 A	mg SO4/L	2	5
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Nutrients	Kjeldahl Nitrogen	1.6	mg N/L	0.08	0.2
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Nutrients	Fluoride	0.85	mg F/L	0.035	0.1
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Nutrients	Ammonia-N	0.35	mg N/L	0.02	0.05
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Nutrients	Chloride	80 A	mg Cl/L	2	5

Date Sampled	Station	Field Sample ID	SCH Group	Component	Result	Units	MDL	PQL
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Nutrients	O-Phosphate-P	2.7	mg P/L	0.04	0.1
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Nutrients	TSS	4 I	mg/L	2	10
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Nutrients	Organic Carbon	6.6 A	mg C/L	1	2
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Nutrients	NO2NO3-N	5.5	mg N/L	0.08	0.2
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Nutrients	Total Alkalinity	105 A	mg CaCO3/L	0.65	2.5
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Prometryn	0.019 U	µg/L	0.019	0.076
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Acetaminophen	0.2	µg/L	0.008	0.032
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Chlorpyrifos Methyl	0.0095 U	µg/L	0.0095	0.038
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Fenamiphos	0.029 UJ	µg/L	0.029	0.11
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	MCPP	0.0020 UJ	µg/L	0.002	0.008
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Triclopyr	0.0040 UJ	µg/L	0.004	0.016
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Atrazine Desethyl	0.0095 U	µg/L	0.0095	0.038
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Malathion	0.0095 U	µg/L	0.0095	0.038
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Metolachlor	0.057 UJ	µg/L	0.057	0.23
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Phorate	0.0048 U	µg/L	0.0048	0.019
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Sucralose	65	µg/L	0.1	0.4
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Atrazine Desisopropyl	0.0095 U	µg/L	0.0095	0.038
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Carbamazepine	0.29	µg/L	0.004	0.016
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Butylate	0.019 U	µg/L	0.019	0.076
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Demeton	0.023 U	µg/L	0.023	0.092
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Fonofos	0.0095 U	µg/L	0.0095	0.038
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	2,4-D	0.0021 IJ	µg/L	0.002	0.008
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Atrazine	0.031 I	µg/L	0.0095	0.038
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Bromacil	0.038 U	µg/L	0.038	0.15
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Metalaxyl	0.038 UJ	µg/L	0.038	0.15
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Mevinphos	0.0095 U	µg/L	0.0095	0.038
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Naled	0.038 U	µg/L	0.038	0.15
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Norflurazon	0.029 U	µg/L	0.029	0.11
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Bentazon	8.0E-04 UJ	µg/L	0.0008	0.0032
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Azinphos Methyl	0.019 U	µg/L	0.019	0.076
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Chlorpyrifos Ethyl	0.0095 U	µg/L	0.0095	0.038
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Ethion	0.0095 U	µg/L	0.0095	0.038
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Parathion Methyl	0.0095 U	µg/L	0.0095	0.038

Date Sampled	Station	Field Sample ID	SCH Group	Component	Result	Units	MDL	PQL
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Diazinon	0.0095 U	µg/L	0.0095	0.038
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Disulfoton	0.0048 U	µg/L	0.0048	0.019
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Ethoprop	0.0048 U	µg/L	0.0048	0.019
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Hexazinone	0.029 UJ	µg/L	0.029	0.11
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Parathion Ethyl	0.019 U	µg/L	0.019	0.076
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Simazine	0.0095 U	µg/L	0.0095	0.038
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Alachlor	0.057 U	µg/L	0.057	0.23
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Ametryn	0.0095 U	µg/L	0.0095	0.038
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Metribuzin	0.019 U	µg/L	0.019	0.076
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Pesticides	Prometon	0.019 U	µg/L	0.019	0.076
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Benzo(a)pyrene	0.024 U	µg/L	0.024	0.096
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Benzo(b)fluoranthene	0.024 U	µg/L	0.024	0.096
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.024 U	µg/L	0.024	0.096
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Hexachlorobenzene	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Pyrene	0.024 U	µg/L	0.024	0.096
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	2,4-Dichlorophenol	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	2,4-Dinitrophenol	9.6 U	µg/L	9.6	38
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	2,6-Dinitrotoluene	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	2-Chlorophenol	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Anthracene	0.024 U	µg/L	0.024	0.096
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Isophorone	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Naphthalene	0.024 U	µg/L	0.024	0.096
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	2,4-Dimethylphenol	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Butyl benzyl phthalate	0.96 U	µg/L	0.96	3.8
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Di-n-butyl phthalate	1.9 U	µg/L	1.9	7.7
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Acenaphthene	0.024 U	µg/L	0.024	0.096
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Benzidine	9.6 U	µg/L	9.6	38
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Benzo(k)fluoranthene	0.024 U	µg/L	0.024	0.096
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.024 U	µg/L	0.024	0.096

Date Sampled	Station	Field Sample ID	SCH Group	Component	Result	Units	MDL	PQL
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	2.9 U	µg/L	2.9	12
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	2-Nitrophenol	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	4-Nitrophenol	9.6 U	µg/L	9.6	38
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Acenaphthylene	0.024 U	µg/L	0.024	0.096
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Diethyl phthalate	1.9 U	µg/L	1.9	7.7
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Fluoranthene	0.024 U	µg/L	0.024	0.096
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Hexachlorobutadiene	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Pentachlorophenol	0.48 U	µg/L	0.48	1.9
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	2,4-Dinitrotoluene	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Di-n-octyl phthalate	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Fluorene	0.024 U	µg/L	0.024	0.096
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Hexachloroethane	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Nitrobenzene	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	3,3'-Dichlorobenzidine	9.6 U	µg/L	9.6	38
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Dimethyl phthalate	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	N-Nitrosodiphenylamine/ Diphenylamine	0.096 U	µg/L	0.096	0.38
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.22 U	µg/L	0.22	0.87
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	2-Chloronaphthalene	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Benzo(a)anthracene	0.024 U	µg/L	0.024	0.096
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	1.9 U	µg/L	1.9	7.7
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Chrysene	0.024 U	µg/L	0.024	0.096
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.024 U	µg/L	0.024	0.096
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	N-Nitrosodimethylamine	1.9 U	µg/L	1.9	7.7
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Phenanthrene	0.024 U	µg/L	0.024	0.096
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	Phenol	0.048 U	µg/L	0.048	0.19
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Priority Organic Pollutants	1,4-Dioxane	0.82	µg/L	0.02	0.08
3/5/2018 11:55	Wewahitchka WWTP	Effluent	Nutrients	Dissolved Oxygen	69	%Sat		
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	AGP/LN	Algal Growth Potential	8.99	mg DryWt/L	0.3	0.9

Date Sampled	Station	Field Sample ID	SCH Group	Component	Result	Units	MDL	PQL
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Chlorophyll/Grain Size/BOD	Biochemical Oxygen Demand-5 Day,N-Inhib	0.68 IJ	mg/L	0.2	2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Chlorophyll/Grain Size/BOD	Phaeophytin-a	2.6	µg/L	0.4	1.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	5.2	µg/L	0.4	1.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	3.5	µg/L	0.55	1.7
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Microbiology	Escherichia Coli-Quanti-Tray	10.9	MPN/100 mL	1	1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Microbiology	Fecal Coliforms-Membrane Filter	11 B	cfu/100 mL	2	2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Metals	Cadmium	0.020 U	µg/L	0.02	0.08
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Metals	Copper	0.73 I	µg/L	0.2	0.8
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Metals	Nickel	0.57 I	µg/L	0.2	0.8
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Metals	Silver	0.010 U	µg/L	0.01	0.04
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Metals	Magnesium	2.44	mg/L	0.04	0.16
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Metals	Zinc	5.0 U	µg/L	5	20
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Metals	Lead	0.39	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Metals	Chromium	0.89 I	µg/L	0.4	1.6
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Metals	Arsenic	0.48	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Metals	Selenium	0.20 U	µg/L	0.2	0.8
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Metals	Sodium	6.5	mg/L	0.5	2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Metals	Iron	800	µg/L	30	120
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Metals	Calcium	18.7	mg/L	0.075	0.3
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Metals	Potassium	1.9	mg/L	0.3	1.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Metals	Aluminum	574	µg/L	3	12
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Nutrients	Chloride	6.7 A	mg Cl/L	0.2	0.5
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Nutrients	Organic Carbon	4	mg C/L	0.5	1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Nutrients	Sulfate	6.6 A	mg SO4/L	0.2	0.5
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Nutrients	Color (true)	40	PCU	2.5	6
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Nutrients	Kjeldahl Nitrogen	0.35	mg N/L	0.08	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Nutrients	Ammonia-N	0.02	mg N/L	0.002	0.005
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Nutrients	O-Phosphate-P	0.008 I	mg P/L	0.004	0.01
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Nutrients	NO2NO3-N	0.64	mg N/L	0.004	0.01
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Nutrients	Fluoride	0.071 I	mg F/L	0.035	0.1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Nutrients	Turbidity	9.8	NTU	0.1	0.13
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Nutrients	Total Alkalinity	49	mg CaCO3/L	0.65	2.5
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Nutrients	TSS	9 I	mg/L	2	10

Date Sampled	Station	Field Sample ID	SCH Group	Component	Result	Units	MDL	PQL
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Nutrients	Total-P	0.036	mg P/L	0.002	0.005
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Pesticides	Sucralose	1.2	µg/L	0.01	0.04
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Anthracene	0.025 U	µg/L	0.025	0.1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Di-n-octyl phthalate	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Pentachlorophenol	0.50 U	µg/L	0.5	2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Isophorone	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	N-Nitrosodimethylamine	2.0 U	µg/L	2	8
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	2,4-Dinitrotoluene	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.0 U	µg/L	3	12
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Butyl benzyl phthalate	1.0 U	µg/L	1	4
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Nitrobenzene	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Phenanthrene	0.025 U	µg/L	0.025	0.1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	1,4-Dioxane	0.070 I	µg/L	0.02	0.08
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Benzidine	10 U	µg/L	10	40
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Benzo(k)fluoranthene	0.025 U	µg/L	0.025	0.1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Diethyl phthalate	2.0 U	µg/L	2	8
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Fluoranthene	0.025 U	µg/L	0.025	0.1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	2-Chloronaphthalene	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	2-Nitrophenol	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Benzo(b)fluoranthene	0.025 U	µg/L	0.025	0.1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Dimethyl phthalate	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Hexachlorobenzene	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	2,6-Dinitrotoluene	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	2-Chlorophenol	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Acenaphthene	0.025 U	µg/L	0.025	0.1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.025 U	µg/L	0.025	0.1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	2.0 U	µg/L	2	8

Date Sampled	Station	Field Sample ID	SCH Group	Component	Result	Units	MDL	PQL
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Fluorene	0.025 U	µg/L	0.025	0.1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Hexachloroethane	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	N-Nitrosodiphenylamine/ Diphenylamine	0.10 U	µg/L	0.1	0.4
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	2,4-Dimethylphenol	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Benzo(a)pyrene	0.025 U	µg/L	0.025	0.1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.025 U	µg/L	0.025	0.1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Phenol	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	2,4-Dichlorophenol	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	2,4-Dinitrophenol	10 U	µg/L	10	40
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	4-Nitrophenol	10 U	µg/L	10	40
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Acenaphthylene	0.025 U	µg/L	0.025	0.1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Chrysene	0.025 U	µg/L	0.025	0.1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Di-n-butyl phthalate	2.0 U	µg/L	2	8
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.025 U	µg/L	0.025	0.1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Naphthalene	0.025 U	µg/L	0.025	0.1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	3,3'-Dichlorobenzidine	10 U	µg/L	10	40
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Benzo(a)anthracene	0.025 U	µg/L	0.025	0.1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Hexachlorobutadiene	0.050 U	µg/L	0.05	0.2
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Priority Organic Pollutants	Pyrene	0.025 U	µg/L	0.025	0.1
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Nutrients	Dissolved Oxygen	82.9	%Sat		
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Nutrients	Temperature	18.55	C		
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Nutrients	Sample Depth	0.15	m		
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site	Nutrients	pH	7.42	SU		
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site-Rep-1	Nutrients	Sample Depth	0.15	m		
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site-Rep-1	Nutrients	Dissolved Oxygen	82.9	%Sat		
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site-Rep-1	Nutrients	pH	7.42	SU		
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site-Rep-1	Nutrients	Temperature	15.88	C		
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site-Rep-2	Nutrients	Temperature	18.55	C		
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site-Rep-2	Nutrients	Sample Depth	0.15	m		

Date Sampled	Station	Field Sample ID	SCH Group	Component	Result	Units	MDL	PQL
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site-Rep-2	Nutrients	Dissolved Oxygen	82.9	%Sat		
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site-Rep-2	Nutrients	pH	7.42	SU		
3/2/2018 11:10	City of Wewahitchka Ricky McMillion WWTP	Test Site-Rep-3	Nutrients	Dissolved Oxygen	82.9	%Sat		
3/2/2018 11:10	City of Wewahitchka Ricky McMillion WWTP	Test Site-Rep-3	Nutrients	Temperature	18.55	C		
3/2/2018 11:10	City of Wewahitchka Ricky McMillion WWTP	Test Site-Rep-3	Nutrients	Sample Depth	0.15	m		
3/2/2018 11:10	City of Wewahitchka Ricky McMillion WWTP	Test Site-Rep-3	Nutrients	pH	7.42	SU		
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site-Rep-4	Nutrients	Dissolved Oxygen	82.9	%Sat		
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site-Rep-4	Nutrients	Sample Depth	0.15	m		
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site-Rep-4	Nutrients	Temperature	18.55	C		
3/5/2018 12:10	City of Wewahitchka Ricky McMillion WWTP	Test Site-Rep-4	Nutrients	pH	7.42	SU		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	AGP/LN	Algal Growth Potential	8.19 A	mg DryWt/L	0.3	0.9
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Chlorophyll/Grain Size/BOD	Phaeophytin-a	2.1	µg/L	0.4	1.2
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	4.9	µg/L	0.4	1.2
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Chlorophyll/Grain Size/BOD	Biochemical O_2 Demand-5 Day,N-Inhib	0.75 IJ	mg/L	0.2	2
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	3.4	µg/L	0.55	1.7
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Microbiology	Fecal Coliforms-Membrane Filter	18 B	cfu/100 mL	2	2
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Microbiology	Escherichia Coli-Quanti-Tray	6.3	MPN/100 mL	1	1
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Metals	Arsenic	0.44	µg/L	0.05	0.2
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Metals	Lead	0.37	µg/L	0.05	0.2
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Metals	Silver	0.010 U	µg/L	0.01	0.04
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Metals	Aluminum	401	µg/L	3	12
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Metals	Cadmium	0.020 U	µg/L	0.02	0.08
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Metals	Sodium	6.5	mg/L	0.5	2
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Metals	Chromium	0.70 I	µg/L	0.4	1.6
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Metals	Zinc	5.0 U	µg/L	5	20
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Metals	Potassium	1.9	mg/L	0.3	1.2
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Metals	Magnesium	2.46	mg/L	0.04	0.16
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Metals	Iron	680	µg/L	30	120
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Metals	Calcium	18.7	mg/L	0.075	0.3
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Metals	Nickel	0.46 I	µg/L	0.2	0.8
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Metals	Selenium	0.20 U	µg/L	0.2	0.8
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Metals	Copper	0.69 I	µg/L	0.2	0.8
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Nutrients	Color (true)	40	PCU	2.5	6

Date Sampled	Station	Field Sample ID	SCH Group	Component	Result	Units	MDL	PQL
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Nutrients	NO2NO3-N	0.64	mg N/L	0.004	0.01
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Nutrients	Sulfate	6.5	mg SO4/L	0.2	0.5
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Nutrients	Ammonia-N	0.021	mg N/L	0.002	0.005
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Nutrients	Chloride	6.6	mg Cl/L	0.2	0.5
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Nutrients	Turbidity	9.7	NTU	0.1	0.13
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Nutrients	Kjeldahl Nitrogen	0.31	mg N/L	0.08	0.2
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Nutrients	Total-P	0.036	mg P/L	0.002	0.005
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Nutrients	TSS	11 A	mg/L	2	10
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Nutrients	Fluoride	0.069 I	mg F/L	0.035	0.1
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Nutrients	Organic Carbon	4	mg C/L	0.5	1
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Nutrients	Total Alkalinity	50	mg CaCO3/L	0.65	2.5
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Nutrients	O-Phosphate-P	0.007 I	mg P/L	0.004	0.01
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Pesticides	Sucralose	1.3	µg/L	0.01	0.04
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	1,4-Dioxane	0.069 IY	µg/L	0.02	0.08
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Butyl benzyl phthalate	0.95 U	µg/L	0.95	3.8
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Isophorone	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Phenol	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	2,4-Dichlorophenol	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	2,4-Dimethylphenol	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	2-Nitrophenol	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	3,3'-Dichlorobenzidine	9.5 U	µg/L	9.5	38
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Acenaphthene	0.024 U	µg/L	0.024	0.095
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Benzo(a)anthracene	0.024 U	µg/L	0.024	0.095
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.024 U	µg/L	0.024	0.095
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Di-n-octyl phthalate	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Pyrene	0.024 U	µg/L	0.024	0.095
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	4-Nitrophenol	9.5 U	µg/L	9.5	38
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Naphthalene	0.024 U	µg/L	0.024	0.095
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.024 U	µg/L	0.024	0.095
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	1.9 U	µg/L	1.9	7.6
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Benzo(k)fluoranthene	0.024 U	µg/L	0.024	0.095

Date Sampled	Station	Field Sample ID	SCH Group	Component	Result	Units	MDL	PQL
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Phenanthrene	0.024 U	µg/L	0.024	0.095
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	2,4-Dinitrophenol	9.5 U	µg/L	9.5	38
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Benzo(b)fluoranthene	0.024 U	µg/L	0.024	0.095
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	N-Nitrosodimethylamine	1.9 U	µg/L	1.9	7.6
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	2-Chloronaphthalene	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Benzidine	9.5 U	µg/L	9.5	38
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Dimethyl phthalate	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Fluorene	0.024 U	µg/L	0.024	0.095
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	2,4-Dinitrotoluene	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	2.9 U	µg/L	2.9	11
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Anthracene	0.024 U	µg/L	0.024	0.095
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Benzo(a)pyrene	0.024 U	µg/L	0.024	0.095
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Di-n-butyl phthalate	1.9 U	µg/L	1.9	7.6
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.024 U	µg/L	0.024	0.095
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	N-Nitrosodiphenylamine/ Diphenylamine	0.095 U	µg/L	0.095	0.38
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Acenaphthylene	0.024 U	µg/L	0.024	0.095
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Diethyl phthalate	1.9 U	µg/L	1.9	7.6
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Hexachlorobenzene	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Nitrobenzene	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	2,6-Dinitrotoluene	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	2-Chlorophenol	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Chrysene	0.024 U	µg/L	0.024	0.095
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Fluoranthene	0.024 U	µg/L	0.024	0.095
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Hexachlorobutadiene	0.048 U	µg/L	0.048	0.19
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Hexachloroethane	0.048 U	µg/L	0.048	0.19

Date Sampled	Station	Field Sample ID	SCH Group	Component	Result	Units	MDL	PQL
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Priority Organic Pollutants	Pentachlorophenol	0.48 U	µg/L	0.48	1.9
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Nutrients	pH	7.29	SU		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Nutrients	Sample Depth	0.15	m		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Nutrients	Temperature	18.58	C		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site	Nutrients	Dissolved Oxygen	84.1	%Sat		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site-Rep-1	Nutrients	Temperature	18.58	C		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site-Rep-1	Nutrients	pH	7.29	SU		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site-Rep-1	Nutrients	Sample Depth	0.15	m		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site-Rep-1	Nutrients	Dissolved Oxygen	84.1	%Sat		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site-Rep-2	Nutrients	Sample Depth	0.15	m		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site-Rep-2	Nutrients	Temperature	18.58	C		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site-Rep-2	Nutrients	pH	7.29	SU		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site-Rep-2	Nutrients	Dissolved Oxygen	84.1	%Sat		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site-Rep-3	Nutrients	Dissolved Oxygen	84.1	%Sat		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site-Rep-3	Nutrients	Sample Depth	0.15	m		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site-Rep-3	Nutrients	pH	7.29	SU		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site-Rep-3	Nutrients	Temperature	18.58	C		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site-Rep-4	Nutrients	Dissolved Oxygen	84.1	%Sat		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site-Rep-4	Nutrients	pH	7.29	SU		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site-Rep-4	Nutrients	Sample Depth	0.15	m		
3/5/2018 12:45	City of Wewahitchka Ricky McMillion WWTP	Control Site-Rep-4	Nutrients	Temperature	18.58	C		
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Metals	Arsenic	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Metals	Chromium	0.40 U	µg/L	0.4	1.6
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Metals	Magnesium	0.040 U	mg/L	0.04	0.16
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Metals	Potassium	0.30 U	mg/L	0.3	1.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Metals	Sodium	0.50 U	mg/L	0.5	2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Metals	Silver	0.010 U	µg/L	0.01	0.04
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Metals	Cadmium	0.020 U	µg/L	0.02	0.08
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Metals	Nickel	0.20 U	µg/L	0.2	0.8
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Metals	Aluminum	60 U	µg/L	60	240
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Metals	Zinc	5.0 U	µg/L	5	20
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Metals	Selenium	0.20 U	µg/L	0.2	0.8
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Metals	Calcium	0.075 U	mg/L	0.075	0.3

Date Sampled	Station	Field Sample ID	SCH Group	Component	Result	Units	MDL	PQL
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Metals	Copper	0.20 U	µg/L	0.2	0.8
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Metals	Lead	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Metals	Iron	30 U	µg/L	30	120
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Nutrients	Sulfate	0.20 U	mg SO4/L	0.2	0.5
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Nutrients	Total Alkalinity	0.65 U	mg CaCO3/L	0.65	2.5
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Nutrients	NO2NO3-N	0.004 U	mg N/L	0.004	0.01
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Nutrients	Fluoride	0.035 U	mg F/L	0.035	0.1
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Nutrients	Kjeldahl Nitrogen	0.080 U	mg N/L	0.08	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Nutrients	Organic Carbon	0.50 U	mg C/L	0.5	1
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Nutrients	Ammonia-N	0.002 U	mg N/L	0.002	0.005
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Nutrients	Color (true)	2.5 U	PCU	2.5	6
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Nutrients	Chloride	0.20 U	mg Cl/L	0.2	0.5
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Nutrients	O-Phosphate-P	0.004 U	mg P/L	0.004	0.01
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Nutrients	Turbidity	0.10 U	NTU	0.1	0.13
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Nutrients	Total-P	0.002 U	mg P/L	0.002	0.005
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Atrazine Desethyl	0.010 U	µg/L	0.01	0.04
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	2,4-D	0.0020 U	µg/L	0.002	0.008
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Diazinon	0.010 U	µg/L	0.01	0.04
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Disulfoton	0.0050 U	µg/L	0.005	0.02
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Acetaminophen	0.0080 U	µg/L	0.008	0.032
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Carbamazepine	4.0E-04 U	µg/L	0.0004	0.0016
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Triclopyr	0.0040 U	µg/L	0.004	0.016
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Chlorpyrifos Ethyl	0.010 U	µg/L	0.01	0.04
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Fonofos	0.010 U	µg/L	0.01	0.04
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Metribuzin	0.020 U	µg/L	0.02	0.081
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Naled	0.040 U	µg/L	0.04	0.16
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Prometryn	0.020 U	µg/L	0.02	0.081
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Chlorpyrifos Methyl	0.010 U	µg/L	0.01	0.04
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Parathion Methyl	0.010 U	µg/L	0.01	0.04
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Sucralose	0.010 U	µg/L	0.01	0.04
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Alachlor	0.060 U	µg/L	0.06	0.24
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Azinphos Methyl	0.020 U	µg/L	0.02	0.081
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Bromacil	0.040 U	µg/L	0.04	0.16

Date Sampled	Station	Field Sample ID	SCH Group	Component	Result	Units	MDL	PQL
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Ethion	0.010 U	µg/L	0.01	0.04
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Fenamiphos	0.030 UJ	µg/L	0.03	0.12
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Malathion	0.010 U	µg/L	0.01	0.04
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Bentazon	8.0E-04 U	µg/L	0.0008	0.0032
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Ethoprop	0.0050 U	µg/L	0.005	0.02
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Norflurazon	0.030 U	µg/L	0.03	0.12
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Phorate	0.0050 U	µg/L	0.005	0.02
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Prometon	0.020 U	µg/L	0.02	0.081
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Parathion Ethyl	0.020 U	µg/L	0.02	0.081
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Ametryn	0.010 U	µg/L	0.01	0.04
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Atrazine Desisopropyl	0.010 U	µg/L	0.01	0.04
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Metalaxyl	0.040 UJ	µg/L	0.04	0.16
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Simazine	0.010 U	µg/L	0.01	0.04
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	MCPP	0.0020 U	µg/L	0.002	0.008
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Atrazine	0.010 U	µg/L	0.01	0.04
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Demeton	0.024 U	µg/L	0.024	0.097
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Hexazinone	0.030 UJ	µg/L	0.03	0.12
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Metolachlor	0.060 UJ	µg/L	0.06	0.24
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Mevinphos	0.010 U	µg/L	0.01	0.04
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Pesticides	Butylate	0.020 U	µg/L	0.02	0.081
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Benzidine	10 U	µg/L	10	40
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Benzo(a)pyrene	0.025 U	µg/L	0.025	0.1
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Chrysene	0.025 U	µg/L	0.025	0.1
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Hexachlorobutadiene	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Phenol	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	2,4-Dimethylphenol	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	2,4-Dinitrophenol	10 U	µg/L	10	40
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Anthracene	0.025 U	µg/L	0.025	0.1
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Di-n-octyl phthalate	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.050 U	µg/L	0.05	0.2

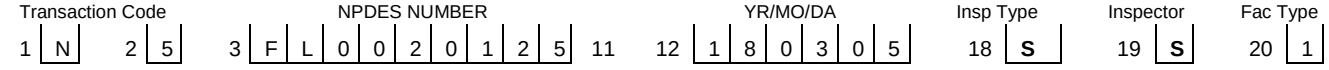
Date Sampled	Station	Field Sample ID	SCH Group	Component	Result	Units	MDL	PQL
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	2,4-Dichlorophenol	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Acenaphthene	0.025 U	µg/L	0.025	0.1
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Benzo(b)fluoranthene	0.025 U	µg/L	0.025	0.1
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Benzo(k)fluoranthene	0.025 U	µg/L	0.025	0.1
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Fluoranthene	0.025 U	µg/L	0.025	0.1
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Hexachlorobenzene	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Nitrobenzene	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Phenanthrene	0.025 U	µg/L	0.025	0.1
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	2,4-Dinitrotoluene	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.0 U	µg/L	3	12
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	2-Nitrophenol	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	3,3'-Dichlorobenzidine	10 U	µg/L	10	40
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Acenaphthylene	0.025 U	µg/L	0.025	0.1
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Benzo(a)anthracene	0.025 U	µg/L	0.025	0.1
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Di-n-butyl phthalate	2.0 U	µg/L	2	8
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Fluorene	0.025 U	µg/L	0.025	0.1
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Hexachloroethane	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Isophorone	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	4-Nitrophenol	10 U	µg/L	10	40
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Diethyl phthalate	2.0 U	µg/L	2	8
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Dimethyl phthalate	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Naphthalene	0.025 U	µg/L	0.025	0.1
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	1,4-Dioxane	0.020 U	µg/L	0.02	0.08
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.025 U	µg/L	0.025	0.1
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Butyl benzyl phthalate	1.0 U	µg/L	1	4
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.025 U	µg/L	0.025	0.1
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	N-Nitrosodimethylamine	2.0 U	µg/L	2	8
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Pentachlorophenol	0.50 U	µg/L	0.5	2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	2,6-Dinitrotoluene	0.050 U	µg/L	0.05	0.2

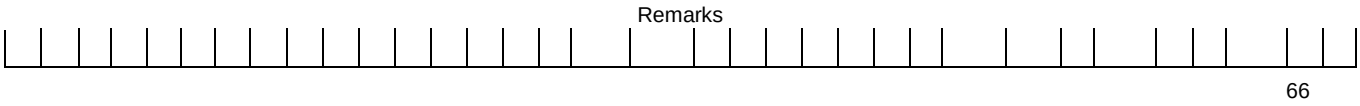
Date Sampled	Station	Field Sample ID	SCH Group	Component	Result	Units	MDL	PQL
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	2-Chloronaphthalene	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	2-Chlorophenol	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	2.0 U	µg/L	2	8
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	N-Nitrosodiphenylamine/ Diphenylamine	0.10 U	µg/L	0.1	0.4
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.050 U	µg/L	0.05	0.2
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.025 U	µg/L	0.025	0.1
3/5/2018 11:25	Wewahitchka WWTP	Field Blank	Priority Organic Pollutants	Pyrene	0.025 U	µg/L	0.025	0.1

EPA End Sheet

Biological Analyses of the Wewahitchka WWTP effluent sampled on March 05, 2018, NPDES #FL0020125

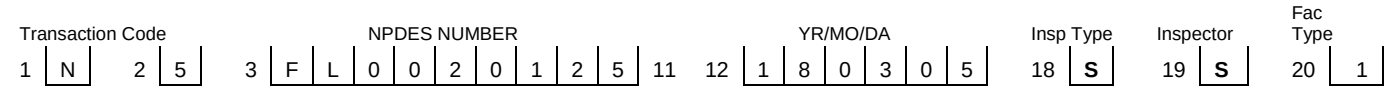
Fill Out This Section For All Surface Water Discharger Inspections(CEI, CSI, CBI, PAI, XSI-RI Optional)

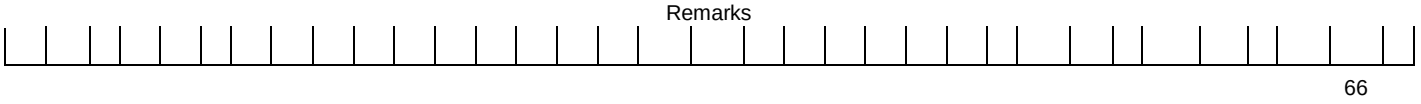




The Priority Pollutants Analysis of the Wewahitchka WWTP effluent sampled on March 05, 2018 NPDES #FL0020125

Fill Out This Section For All Surface Water Discharger Inspections(CEI, CSI, CBI, PAI, XSI-RI Optional)





The Bioassay of the Wewahitchka WWTP effluent sampled on March 05, 2018, NPDES #FL0020125

Fill Out This Section For All Surface Water Discharger Inspections(CEI, CSI, CBI, PAI, XSI-RI Optional)

