Biological Assessment of Starke WWTF, Bradford County NPDES # FL0028126 Sampled October 16, 20, 22, and 24, 2025

Division of Environmental Assessment and Restoration
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Summary of Results

The effluent did not comply with permit limits for the freshwater organisms tested in the acute definitive toxicity bioassays. The higher nutrient values and Algal Growth Potential (AGP) in the effluent and Test Site samples compared to the Control Site samples, indicates nutrient enrichment of the receiving water due to the effluent. There were 12 organic constituents detected in the effluent grab sample. Biological assessments in the receiving water both upstream and downstream of the discharge indicate degraded habitat, in-stream plant communities dominated by non-natives, growth of filamentous algae, and macroinvertebrate communities dominated by pollution tolerant individuals. Although macroinvertebrate diversity scores were similar for both sites, water quality results for this event provide multiple lines of evidence indicating potential stress on the downstream macroinvertebrate community associated with the effluent.

Facility Overview

The Starke Wastewater Treatment Facility is a conventional, activated sludge facility. The permit can be found in the DEP OCULUS, Document Management System. To access the permit directly, use this link and click the "Public OCULUS Login" button in the center of the webpage. (https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=38.1443426.1]&[profile=Permitting_Authorization]).

The effluent is continuously discharged into Alligator Creek, a Class III Fresh Water [waterbody identification (WBID) 3598C] (Figure 1). Alligator Creek falls within the North Central Nutrient Watershed Region for Numeric Nutrient Criteria (NNC). For this region, the NNC, expressed as annual geometric means, are 0.3 mg/L total phosphorus and 1.87 mg/L total nitrogen (Paragraph 62-302.531(2)(c), F.A.C.). Alligator Creek falls within the Northeast bioregion; the daily average dissolved oxygen (DO) saturation shall not be below 34 percent in more than 10 percent of the values (Paragraph 62-302.533(1)(a)(3), F.A.C.). This fifth year inspection (FYI) event only provides single sample results. It should be noted that waterbody impairment assessments are based on longer-term data, and individual exceedances of a criterion do not indicate use impairment. http://ca.dep.state.fl.us/mapdirect/?focus=nutrientcriteria

Methods

Effluent grab and 24-hour flow-proportioned composite samples were collected from monitoring site location EFD-01 for outfall D-001 on October 20, 2025. Effluent renewal composite samples were collected on October 22, 2025, and October 24, 2025. Equipment blanks were collected on October 16, 2025. Chemical and biological comparisons were made between a Test Site (located in Alligator Creek approximately 15 m downstream of the point of discharge) and a Control Site (located in Alligator Creek approximately 30 m upstream of the point of discharge) (Figure 1). The habitat assessment (HA), rapid periphyton survey (RPS), and linear vegetation survey (LVS) were conducted at the Test Site and Control Site on October 20, 2025. An algal mat sample was collected at the Control Site. The Stream Condition Index (SCI) macroinvertebrate sampling was

not performed at either site due to low habitat score and habitat smothering as noted during HA. Hester-Dendy (HD) samplers were deployed on September 23, 2025. The floating Hester-Dendy samplers were anchored on the bed of the creek with cinder blocks. Each sampler was equipped with four condos for macroinvertebrate colonization. After 28 days, the HDs were retrieved on October 20, 2025. Only three condos were analyzed for the Test Site due to one compromised container during shipping.

Samples were collected by Conor Lucey, Jeremy Parrish and Angelina Ortiz (Northeast District). Analyses were performed by Eurofins Environmental Testing in Orlando, Jacksonville, and Pensacola and DEP Laboratory in Tallahassee. The report was reviewed by District representatives and the Point Source Studies Review Committee (Lauren Gottfreid, and Ben Nomann).

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 A.

Class III Water Quality Criteria for Fresh and Marine Waters are found in Chapter 62-302, F.A.C. All references to Rule 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.

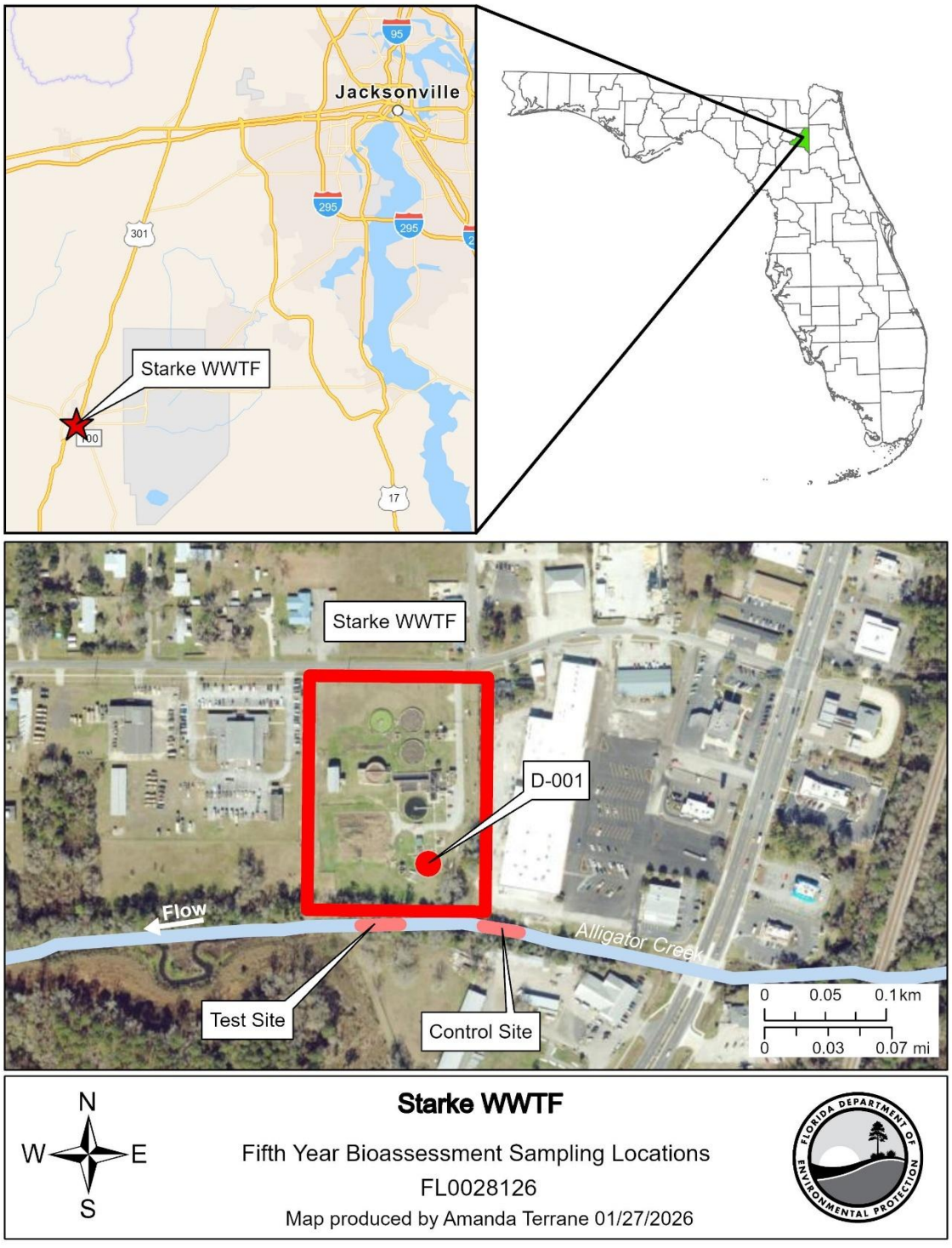


Figure 1. Map of Facility and Sampling Locations

Results

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

- All water quality parameters measured at the Test and Control Sites complied with Class III Water Quality Criteria for Fresh Waters and effluent permit limits.

- Habitat Assessment scores were similar at the Test Site (39) and Control Site (40); however, the Test Site scored in the poor category and the Control Site in marginal category (see Appendix C). The Test Site had poor substrate diversity and availability and experienced habitat silt and sand smothering. Also, both sites lost points for lack of bank stability on both banks, and the Control Site lost points for riparian zone buffer width on the left bank.

Analytical Water Chemistry (See Table 2 and Appendix A, B and D)

- All water chemistry analytes detected in the effluent grab and composite samples complied with effluent permit limits.

- All water chemistry analytes detected in the Test Site and the Control Site samples complied with Class III Water Quality Criteria for Fresh Waters.

- For comparative purposes only, total phosphorus in the effluent composite, effluent grab and Test Site samples and total nitrogen in the effluent composite and effluent grab samples were greater than the NNC annual geometric mean limits for Alligator Creek within the North Central Nutrient Watershed Region.

Microbiology (See Table 2 and Appendix A, B and D)

- Effluent fecal coliform levels complied with effluent permit limits.

- *Escherichia coli* was not detected in the effluent grab sample but was detected in the instream samples at levels which complied with Class III Water Quality Criterion for Fresh Waters.

- The Quanti-Tray method used to analyze fecal coliform samples is not an approved EPA method for surface waters and the results are J qualified indicating the result is an estimated value.

Toxicity Whole Effluent Test (See Table 2 and Appendices A, B and D)

- Tests were performed October 21 through October 27, 2025.

- The sample was aerated for 20 minutes at a rate of approximately 100 bubbles per minute to decrease the dissolved oxygen (DO) from 10.1 mg/L to 8.8 mg/L.

- Chronic bioassay results are reported as the 25% Inhibition Concentration (IC25). An IC25 is the effluent concentration causing a 25% reduction in a biological response such as biomass or reproduction when compared to a control population. An IC25 of less than 100% in a chronic test may constitute exceedances of Subsection 62-302.200(5), Subsection 62-302.530(20) and/or facility permit limits.

- For the chronic definitive bioassay, the calculated IC25 for the water flea, *Ceriodaphnia dubia*, was 50.4% effluent. This did not comply with effluent permit limits. The freshwater fish chronic bioassay was terminated early due to control failure and was reported as 'no result' for the fish, *Pimephales promelas*.

- For more information or to obtain copies of the toxicity bench sheets, please contact the Biology Laboratory at 850-245-8177.

Metals (See Table 3 and Appendix A and D)

- Effluent metals complied with Class III Water Quality Criteria for Fresh Waters and effluent permit limits.

- All metals in Test and Control Site samples complied with Class III Water Quality Criteria for Fresh Waters and effluent permit limits.

Algal Growth Potential (See Table 4 and Appendix A and D)

- The freshwater unicellular green alga, *Raphidocelis subcapitata* was used to determine the AGP values in the effluent grab, Test Site, and Control Site samples.

- The Algal Growth Potential (AGP) values for the effluent grab and Test Site samples (26.2 mg dry wt/L and 15.4 mg dry wt/L, respectively) were within the range suggested to be representative of high productivity for freshwater (Miller et al. 1978). The analytical chemistry suggests that the effluent is ortho-phosphate limited, and Test Site is nitrogen and phosphorus co-limited (Miller et al. 1978).

- The AGP value was undetected in the upstream Control Site sample, highest in the effluent and elevated in the downstream Test Site indicating nutrient enrichment in this portion of Alligator Creek.

- Differences greater than an order of magnitude between actual and predicted AGP values are considered sufficient evidence to warrant follow up testing with the algal growth inhibition bioassay. True algal growth inhibition can only be determined by performing an actual algal growth inhibition test. Should algal growth inhibition be suspected, the district should request that the algal growth inhibition test be performed as a follow-up to the inspection.

Organic Constituents (See Table 5 and Appendix A and D)

- Atrazine (herbicide), azoxystrobin (fungicide), chlorfenapyr (insecticide), fipronil desulfinyl (insecticide), fipronil sulfide (insecticide), fludioxonil (fungicide), flutolanil

(fungicide), loratadine (pharmaceutical), phenytoin (pharmaceutical), propiconazole (fungicide), simazine (herbicide), and tebuconazole (fungicide) were detected in the effluent grab sample.

- There are no effluent permit limits for organic constituents.

Flora (See Table 6 and Appendices A, C and 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 Invasive Species Council (FISC; formerly Florida Exotic Pest Plant Council) Nonnative 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 only provides single sample results. It should be noted that waterbody impairment assessments are based on longer-term data, and individual exceedances of a criterion do not indicate use impairment.

- The LVS performed at the Test Site had an average C of C score of 1.12 with 71.43% FISC Nonnative taxa. While there was 0-5% macrophyte coverage in five of the 10 m sections of the 100 m assessment, there were only four taxa present, two of which were Category 1 FISC Nonnative species: *Colocasia esculenta* and *Ludwigia peruviana. L. pervuniana* was present in the 0-30 m sections. *C. esculenta* and *L. peruviana* were both found in the 80-90 m section. The two native taxa, *Persicaria hydropiperoides* and *Sacciolepsis striata*, were found only in the 90-100 m section. There were no dominant or co-dominant taxa in any 10 m section of the 100 m assessment of the Test Site.

- The LVS performed at the Control Site had an average C of C score of 0.24 with 90.32% FISC Nonnative taxa. There was >5% and ≤10% macrophyte coverage in all but one of the 10 m sections, and similar to the Test Site, there were also only four taxa present in the Control Site assessment. The Category 1 and Category 2 FISC Nonnative taxa *Ruellia simplex* and *Alternanthera philoxeroides* were present in the entire 100 m assessment. *R. simplex* was also the dominant taxon in the 0-80 m and 90-100 m sections. In the 80-90m section, there was >10% and ≤25% macrophyte coverage, where the Category 1 FISC Nonnative taxa, *L. peruviana* and *R. simplex*, were co-dominant. The native taxa, *P. hydropiperoides*, was present only in the 40-70 m segments.

- The RPS conducted at the Test Site showed evidence of potential nutrient enrichment compared to the RPS of the Control Site. While thick algal growth is not expected at moderately shaded sites, filamentous mat-forming algae were found at 10.47% of the sampled points at the moderately shaded Test Site. Filamentous mat-forming algae were found at 21% of the sampled points at the lightly shaded Control Site. An algal mat sample was collected at the Control site (Table 6). The water at both sites was colorless and turbid.

Macroinvertebrates (See Tables 7 and Appendices A, C and D)

- Quantitative macroinvertebrate data were collected using Hester-Dendy samplers deployed at Test and Control Sites. The Shannon-Weaver diversity scores were similar at the Test and Control Sites (3.92 and 3.06, respectively). Although both sites were similar in number of taxa and number of Ephemeroptera, Trichoptera and Plecoptera (EPT) taxa counted, the Test Site score may be negatively biased by the collection of <300 individuals (Lande 1996). Both sites were dominated by Dipterans, with the Control Site having a higher percent dominance than the Test Site. Dipterans are pollution tolerant. *Tanytarsus sepp* was the dominant taxon at both sites. Surface deposit feeders comprised half of the functional feeding groups at both sites, which is also reflective of the percent Diptera composition. Although no negative biological response was observed in comparing the two samples for this event, poor habitat and water quality stressors associated with the effluent are likely contributing to poor ecological health of the macroinverbrate community.

- For more information or to obtain a copy of the taxa lists, please contact the Biology's Taxonomy Laboratory at 850-245-8195.

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Table 1. Measured field parameters

Effluent limits, Class III Water Quality Criteria for Fresh Waters, and field parameters

Parameter	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab EFD-1	Test Site	Control Site
Habitat Assessment	-	-	-	-	39	40
Sample Depth	m	-	-	-	0.3	0.2
Temperature	C	-	Report	25.3	20.8	20.3
pH	SU	6.0 - 8.5	6.0 - 8.5	7.2	7.2	7.2
Specific Conductance	µmhos/cm	≤ 1,275	-	662	310	208
Salinity	ppth	-	-	0.3 c	0.2 c	0.1 c
Dissolved Oxygen	% saturation	-	-	85.4	67.4	72.7
Dissolved Oxygen	mg/L	-	≥ 6.2	7.8	-	-
Total Residual Chlorine	mg/L	-	≤ 0.01	0.01[1]	-	-

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
c - Value is calculated.
1 - Measurement taken by DEP field staff using a Hach colorimeter with a method detection limit (MDL) of 0.02 mg/L.

Table 2. Analytical water chemistry, microbiological, and toxicological data

Effluent limits, Class III Water Quality Criteria for Fresh Waters, and analytical water chemistry, microbiological, and toxicological data

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Composite	Effluent Grab	Test Site	Control Site
Ortho-phosphate	mg P/L	-	-	-	1.3	0.60	0.006 I
Total Phosphorus	mg P/L	≤ 0.3 g	Report	1.4	1.3	0.56	0.015
Total Ammonia Nitrogen	mg N/L	≤ 3.1 c (Grab) ≤ 4.1 c (Test) ≤ 4.2 c (Control)	Report	-	0.034	0.022	0.014
Un-ionized Ammonia (calculated salinity)	-	-	≤ 0.02	-	< 0.02 c	< 0.02 c	< 0.02 c
Nitrate and Nitrite	mg N/L	-	-	2.5	1.9	0.87	0.006 I
Total Kjeldahl Nitrogen	mg N/L	-	Report	1.0	0.83	0.59	0.24
Organic Nitrogen	mg N/L	-	≤ 7.9	-	0.8 c	0.57 c	0.23 c
Total Nitrogen	mg N/L	≤ 1.87 g	Report	3.5 c	2.7 c	1.46 c	0.25 c
Total Organic Carbon	mg C/L		-	-	6.0	5.9	5.5
Chlorophyll *a* - Corrected	µg/L	-	-	-	1.8	1.8	1.1 I
Phaeophytin	µg/L	-	-	-	0.63 U	0.63 U	0.63 U
CBOD, 5 day, N - inhibited	mg/L	-	≤ 16.0	2.0 UJ	-	2.0 UJ	2.0 UJ
Total Suspended Solids	mg/L	-	≤ 60.0	2 I	-	3 I	3 I
Turbidity	NTU	≤ 29 t	-	-	0.95 I	2.0	2.0
Color (true)	PCU	-	-	-	7.6	17	23
Alkalinity	mg CaCO3/L	≥ 20	-	-	165	91 A	35
Chloride	mg Cl/L	-	-	-	73 A	37	14
Fluoride	mg F/L	≤ 10.0	-	-	0.33	0.16	0.047 I
Sulfate	mg SO4/L	-	-	-	32 A	44	57 J
Fecal Coliforms	MPN/100 mL	-	≤ 800	-	3.10	411 J	345 J
Escherichia coli	MPN/100 mL	≤ 410 s	-	-	1.00 U	161	98.5
Bioassay - Water flea *(C. dubia)*	% effluent	-	≥ 100	50.4 e	-	-	-

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Composite	Effluent Grab	Test Site	Control Site
Bioassay - Fish *(C. leedsi)*	% effluent	-	≥ 100	No Result	-	-	-

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
e - Value exceeds the Class III Water Quality Criteria or permit limits.
c - Value is calculated.
g - Value expressed as an annual geometric mean.
s - Single sample
t - Shall not exceed 29 NTUs above background.
A - Value reported is the mean of two or more determinations.
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J - Estimated value and/or the analysis did not meet established quality control criteria.
U - Material analyzed for but not detected; value reported is the method detection limit.

Table 3. Analytical metals data

Effluent limits, Class III Water Quality Criteria for Fresh Waters, and analytical metals data

Analyte	Units	Effluent Class III Criteria	Effluent Permit Limits	Effluent Composite	Effluent Grab	Test Site Class III Criteria	Test Site	Control Site Class III Criteria	Control Site
Hardness	mg CaCO3/L	-	Report	155 c	169 c	-	119 c	-	88.1 c
Aluminum	µg/L	-	-	-	18 I	-	108	-	91
Arsenic	µg/L	≤ 50	-	-	0.42	≤ 50	0.39	≤ 50	0.26
Cadmium	µg/L	≤ 0.374 b	-	-	0.020 U	≤ 0.308 b	0.020 U	≤ 0.246 b	0.020 U
Calcium	mg/L	-	-	40.4	44.2	-	35.1	-	31.2
Chromium, Total [1]	µg/L	≤ 123 b	-	-	0.40 U	≤ 99.4 b	0.40 U	≤ 77.7 b	0.40 U
Copper	µg/L	≤ 13.6 b	-	1.42	1.10	≤ 10.8 b	2.12	≤ 8.37 b	0.40 U
Iron	µg/L	≤ 1,000	-	-	72 I	≤ 1,000	180	≤ 1,000	160
Lead	µg/L	≤ 5.55 b	-	-	0.22 I	≤ 3.97 b	0.37 I	≤ 2.71 b	0.20 U
Magnesium	mg/L	-	-	13.1	14.3	-	7.61	-	2.48
Mercury	µg/L	≤ 0.012	≤ 0.012	-	0.0006	≤ 0.012	0.0018	≤ 0.012	0.00098
Nickel	µg/L	≤ 75.5 b	-	-	1.6 I	≤ 60.4 b	0.88 I	≤ 46.9 b	0.50 U
Potassium	mg/L	-	-	-	9.6	-	4.8	-	1.0 I
Selenium	µg/L	≤ 5.0	-	-	0.20 U	≤ 5.0	0.20 U	≤ 5.0	0.20 U
Silver	µg/L	≤ 0.07	≤ 0.07	0.010 U	0.010 U	≤ 0.07	0.010 U	≤ 0.07	0.010 U
Sodium	mg/L	-	-	-	68.4	-	34.4	-	10.3
Zinc	µg/L	≤ 174 b	-	-	29	≤ 139 b	16 I	≤ 108 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.
1 - Class III Freshwater Quality Criterion (62-302.530(19)(a), F.A.C.) is for chromium-III.

Table 4. Algal Growth Potential (AGP)

Measured and predicted 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

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 Grab	*Raphidocelis subcapitata*	26.2 A	74 ± 15	560 ± 110	100 ± 21	560 ± 110	1.5	2.1
Test Site	*Raphidocelis subcapitata*	15.4	34 ± 6.8	260 ± 52	56 ± 11	240 ± 48	1.5	2.6
Control Site	*Raphidocelis subcapitata*	0.300 U	0.80 ± 0.20	2.6 ± 0.50	9.3 ± 1.9	6.5 ± 1.3	3.3	16

A - Value reported is the mean of two or more determinations.
U - Material analyzed for but not detected; value reported is the method detection limit.

Table 5. Detected Organic Constituents

Effluent limits, Class III Water Quality Criteria for Fresh Waters, and analytical organic and pesticide data

Analyte	Units	Class III Criteria	Effluent Grab
Atrazine	ng/L	-	13
Azoxystrobin	ng/L	-	6.2 J
Chlorfenapyr	ng/L	-	1.1 I
Fipronil	ng/L	-	0.25 IJ
Fipronil Desulfinyl	ng/L	-	0.19 I
Fipronil Sulfide	ng/L	-	2.7
Fludioxonil	ng/L	-	1.6
Flutolanil	ng/L	-	0.44 I
Loratadine	ng/L	-	3.0 J
Phenytoin	ng/L	-	58 I
Simazine	ng/L	-	5.0 J
Tebuconazole	ng/L	-	5.4 I

I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J - Estimated value and/or the analysis did not meet established quality control criteria.

Table 6. Periphyton sample - qualitative

Starke WWTF - Control Site	
Number of Wet Taxa	2
Dominant Wet Taxon (Class)	*Vaucheria* sp. (Xanthophyta)
Other Wet Taxon Present (Class)	*Phormidium* sp. (Cyanophyceae)
Diatom Taxa Present (Class)	
	Aulacoseira sp. (Coscinodiscophyceae)
	Cymbella sp. (Bacillariophyceae)
	Diadesmis confervacea (Bacillariophyceae)
	Eunotia sp. (Bacillariophyceae)
	Fragilaria sp. (Fragilariophyceae)
	Gyrosigma sp. (Bacillariophyceae)
	Navicula sp. (Bacillariophyceae)

Table 7. Macroinvertebrate Hester-Dendy samples – quantitative

Starke WWTF	Test Site	Control Site
Summary Statistics		
Shannon-Weaver Diversity	3.92	3.06
Number of Taxa	32	32
Number of EPT Taxa	3	4
Percent Dominant Taxon	20	45
Dominant Taxon Name	*Tanytarsus sepp* (Diptera)	*Tanytarsus sepp* (Diptera)
Total Number of Individuals (counted)	243 *	542
Total Number of Individuals (#/m^2)	645	1067
Community Composition: Percent of total		
Acariformes	0.0	0.0
Amphipoda	0.0	0.2
Coleoptera	0.8	1.3
Diptera	83.5	93.5
Ephemeroptera	0.8	0.7
Gastropoda	4.1	1.7
Odonata	8.2	0.9
Plecoptera	0.0	0.0
Trichoptera	2.5	1.7
Functional Feeding Groups: Percent of total		
Browser-Grazers	0.0	0.1
Piercers	1.2	0.8
Predators	21.0	13.0
Scavengers	0.0	0.3
Scrapers	4.9	2.3
Shredders	7.0	2.2
Surface Deposit Feeders	48.6	50.1
Suspension Feeders	17.3	31.2

* - Shannon Weaver Diversity scores calculated on samples with < 300 individuals have the potential for negative bias (lower diversity scores compared to sites with more individuals; Lande 1996).

Appendix A. Explanations 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.

- **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 (Chapter 62-302, F.A.C.) and facility permit limits.

- **Chlorophyll a Content**

  Chlorophyll a content is an estimate of algal biomass. High algal biomass implies nutrient stress (Stevenson and Bahls 1999) and may constitute exceedances of Subsection 62-302.530(47), F.A.C., Paragraph 62-302.530(48)(a) F.A.C. and/or Paragraph 62-302.530(48)(b) F.A.C..

- **Bacteriological Testing**

  High levels of fecal indicator bacteria may constitute an exceedance of Subsection 62-302.530(6) and/or facility permit limits. *Escherichia coli* results are based on Most Probable Number (MPN) and shall not exceed 410 in 10% or more of the samples during any 30-day period (62-302.530(6)(b), F.A.C.). *Enterococci* results are based on Most Probable Number (MPN) and shall not exceed 130 in 10% or more of the samples during any 30-day period (62-302.530(6)(c), F.A.C.). If fewer than 10 samples are taken within a month for a given location, the Ten Percent Threshold Value (TPTV) is assessed as a single sample maximum. The results for fecal coliform by membrane filtration method are often 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.

- **Toxicity Bioassays**

  Greater than 50% mortality in an acute toxicity test may constitute an exceedance of Paragraph 62-302.500(1)(a) and/or facility permit limits. A 25% inhibition concentration (IC25) is the effluent concentration causing a 25% reduction in a biological response such as biomass or reproduction when compared to a control population. An IC25 of less than 100% in a chronic test may constitute exceedances of Subsection 62-302.530(20), Subsection 62-302.530(62) and/or facility permit limits. A no observed effect concentration (NOEC) less than 100% effluent in a chronic test may constitute an exceedance of Subsection 62-302.530(62) and/or facility permit limits. Standard reference toxicant (SRT) tests are conducted monthly to ensure quality in toxicity testing.

- **Algal Growth Potential (AGP)**

Algal growth potential (AGP) is a measure of nutrients available for algal growth (Miller et al. 1978; USEPA 1974). The AGP value is the peak growth of the alga within that 14-day period, recorded as mg dry weight/L. AGP. The protocol for marine waters (USEPA 1974) refers to the original 1971 Bottle Test procedure (USEPA 1971) for analysis interpretation. The 1971 Bottle Test was updated in 1978 (Miller et al. 1978). 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). AGP values above 10.0 mg dry weight/L represent a "problem" threshold for marine receiving waters, implying nutrient enrichment (Raschke and Schultz 1987). High AGP values may constitute exceedances of Subsection 62-302.530(47), F.A.C., Paragraph 62-302.530(48)(a), F.A.C. and/or Paragraph 62-302.530(48)(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 ± 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 Subsection 62-302.530(62), F.A.C.. If a nutrient value is non-detect, predicted AGP and N:P ratio is calculated using ½ the method detection limit (MDL) for the non-detect value.

- **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).

- **Algal Phytoplankton and Periphyton Assemblages**

  Qualitative periphyton are sampled by taking subsamples of algae from natural substrates throughout the sample reach. Phytoplankton were sampled from the water column using a 1 L grab sample. Periphyton were subsampled and identified to the lowest practical level, usually species. Wet taxa and diatoms are identified separately. In the wet taxa analysis, soft algae are identified to the lowest practical level, and diatoms are identified only to order level (diatom). In the diatom analysis, diatoms are identified to the lowest practical level.

  - Algal Density: Algal density is estimated as number of natural units/ml for phytoplankton samples. Although algal density of a single site is highly variable and depends on several factors, comparison of algal density at a control site to algal

density at a related test site gives a partial comparison of algal biomass at the two sites (Stevenson and Smol 2003).

- Taxa richness: Taxa richness is the number of distinct algal taxa present in a sample. Extreme nutrient enrichment tends to reduce the number of different types of algae present in a sample because a few tolerant taxa tend to reproduce rapidly and constitute the majority of the cells present. However, moderate nutrient enrichment of nutrient poor waters may sometimes be correlated with increased algal taxa richness (Stevenson and Bahls 1999) as the algal community begins to respond to the increased input of nutrients.
- Community Composition: Shifts in relative proportions of major groups of algae downstream of a point source, compared to upstream, control conditions, may indicate negative effects of a discharge (Stevenson and Bahls 1999) and may constitute exceedances of Subsection 62-302.530(47) F.A.C., Paragraph 62-302.530(48)(a) F.A.C., Paragraph 62-302.530(48)(b) F.A.C. and/or Subsection 62-302.530(62) F.A.C.

- **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 Subsection 62-302.530(47), F.A.C., Paragraph 62-302.530(48)(a), F.A.C., Paragraph 62-302.530(48)(b), F.A.C. and/or Subsection 62-302.530(62), 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 Subsection 62-302.530(47), F.A.C., Paragraph 62-302.530(48)(a), F.A.C. and/or Paragraph 62-302.530(48)(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 Subsection 62-302.530(47) F.A.C., Paragraph 62-302.530(48)(a), F.A.C., Paragraph 62-302.530(48)(b), F.A.C. and/or Subsection 62-302.530(62), 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 Subsection 62-302.530(47), F.A.C., Paragraph 62-302.530(48)(a), F.A.C., Paragraph 62-302.530(48)(b), F.A.C. and/or Subsection 62-302.530(62), F.A.C.

- Shannon-Weaver Diversity Index: This index is specified in Chapter 62-302 F.A.C. 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 Subsection 62-302.530(10), F.A.C.

- **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 Rule 62-302.531, F.A.C.

- **Rapid Periphyton Survey**

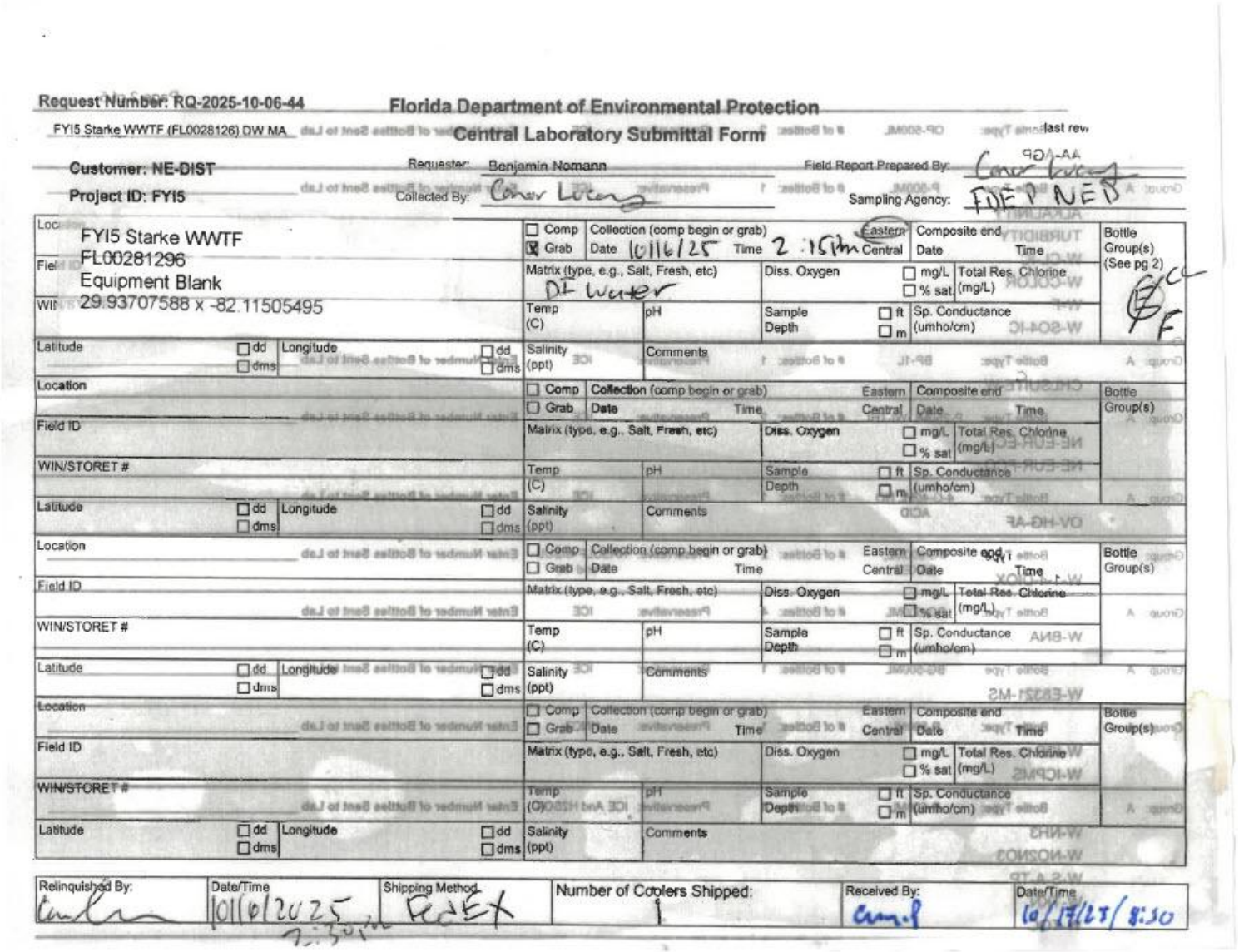
  Rapid Periphyton Survey (RPS) is a rapid method to quantify the extent and abundance of attached algae (periphyton) in a stream or river. A total of 99 points are assessed within a 100m area of sampling reach, 9 equidistant points along 11 cross-section transects spaced 10 m apart, if greater than 20% 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 Rule 62-302.531, F.A.C.

- **Definition of Qualifiers** (Rule 62-160.700, F.A.C.)

  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 and/or the analysis did not meet established quality control criteria.
  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 B. Chain of Custody



Request Number: RQ-2025-10-06-44

Florida Department of Environmental Protection

FYI5 Starke WWTF (FL0028126) DW MA

Central Laboratory Submittal Form

last rev.

Customer: NE-DIST

Requester: Benjamin Nomann

Field Report Prepared By: Conor Lucas

Project ID: FYI5

Collected By: Conor Lucas

Sampling Agency: FDEP NED

Location: FYI5 Starke WWTF

Field ID: FL00281296 Equipment Blank

WIN/STORET #: 29.93707588 x -82.11505495

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 10/16/25 Time 2:15pm | Eastern ☐ Central | Composite end Date Time | Bottle Group(s) (See pg 2): BC F

Matrix (type, e.g., Salt, Fresh, etc): DI water | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

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

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
Conor Lucas	10/16/2025 7:30pm	FedEx	1	Conor	10/17/25 8:50

Request Number: RQ-2025-10-06-44

FYI5 Starke WWTF (FL0028126) DW MA

Customer: NE-DIST

Project ID: FYI5

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Requester: Benjamin Nomann

Collected By: Conor Lucas

Field Report Prepared By: Conor Lucas

Sampling Agency: FDEP NED

Location: FYI5 Starke WWTF Field ID: FL00281296 WIN/STOR: Effluent Grab Latitude: 29.93707588 x Longitude: -82.11505495 ☐dd ☐dms		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/20/25 Time 11:05 ~~10:55~~	Eastern Central	Composite end Date Time		Matrix (type, e.g., Salt, Fresh, etc): WW	Diss. Oxygen: 7.85 / 85.4 ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L): 0.01	Bottle Group(s) (See pg 2): A	
							Temp (C): 25.3	pH: 7.22	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm): 6662	
							Salinity (ppt):	Comments:			
Location: FYI5 Starke WWTF Field ID: FL00281296 WIN/S: Effluent composite Latitude: 29.93707588 x Longitude: -82.11505495 ☐dd ☐dms		☒ Comp ☐ Grab	Collection (comp begin or grab) Date 10 19 25 Time 10:20	Eastern Central	Composite end Date 10/20/25 Time 10:30		Matrix (type, e.g., Salt, Fresh, etc): WW	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	Bottle Group(s): B	
							Temp (C):	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
							Salinity (ppt):	Comments: Grabbed from facilities autoSampler			
Location: FYI5 Starke WWTF Field ID: FL00281296 WIN/STORET #: Field Blanks Latitude ☐dd ☐dms Longitude ☐dd ☐dms		☐ Comp ☐ Grab	Collection (comp begin or grab) Date 10 20 25 Time 11:30 ~~11:15~~	Eastern Central	Composite end Date Time		Matrix (type, e.g., Salt, Fresh, etc): DI	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	Bottle Group(s): E	
							Temp (C):	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
							Salinity (ppt):	Comments:			
Location Field ID WIN/STORET # Latitude ☐dd ☐dms Longitude ☐dd ☐dms		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	Bottle Group(s)	
							Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
							Salinity (ppt):	Comments:			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Conor Lucas	10/20/25 1:50	FedEX	3		

Request Number: RQ-2025-10-06-44

FYI5 Starke WWTF (FL0028126) DW MA

Customer: NE-DIST

Project ID: FYI5

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Requester: Benjamin Nomann

Field Report Prepared By: Conor Lucy

Collected By: Conor Lucy Angelina Ortiz

Sampling Agency: FDEP NED

FYI5 Starke WWTF
FL00281296
Effluent composite
29.93707588 x -82.11505495

Location	☒ Comp ☐ Grab	Collection (comp begin or grab) Date 10/21/2025 Time 11:00	Eastern Central	Composite end Date 10/22/2025 Time 11:00	Bottle Group(s) (See pg 2) B					
Field ID	Matrix (type, e.g., Salt, Fresh, etc) Waste 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	☐ 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							
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
Conor Lucy	10/22/2025 1:30	FedEx	1		

Request Number: RQ-2025-10-06-44

FYI5 Starke WWTF (FL0028126) DW MA

Customer: NE-DIST

Project ID: FYI5

Florida Department of Environmental Protection

Central Laboratory Submittal Form

last revised Jan 25, 2018

Requester: Benjamin Nomann

Collected By: Jeremy Parrish

Field Report Prepared By: Jeremy Parrish

Sampling Agency: FDEP - NEROC

Location WIN ID/Field ID: G1NE0936 Starke WWTF Test site	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/20/25 Time 1000	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2) C, D
Field ID		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.02/67.4%	☒ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	
WIN/STORE		Temp (C) 20.8	pH 7.16	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 310	
Latitude 29.93667 ☐ dd ☐ dms	Longitude -82.11536 ☐ dd ☐ dms	Salinity (ppt) 0.15	Comments TEST site				
Loca WIN ID/Field ID: G1NE0966 Starke WWTF Control site	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/20/25 Time 1200	Eastern Central	Composite end Date Time	Bottle Group(s) C, D
Fiel		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.5/72.7	☑ mg/L ☑ % sat	Total Res. Chlorine (mg/L)	
WIN		Temp (C) 20.3	pH 7.17	Sample Depth 0.15	☐ ft ☑ m	Sp. Conductance (umho/cm) 208	
Latitude 29.93657 ☐ dd ☐ dms	Longitude -82.11453 ☐ dd ☐ dms	Salinity (ppt) 0.10	Comments control site				
Location 29.93652	☐ 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 CBA				
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
Jeremy Parrish	10/20/25 1610	Fed ex	3		

Eurofins Jacksonville
8021-6 Philips Highway
Jacksonville, FL 32256
Phone (904) 296-3007 Phone (904) 286-6210

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Carol Lucas	Lab PM: Savole, Noel	Carrier Tracking No(s):	COC No: 762-4973-783.1
Client Contact: Sarah Menz	Phone: 850-245-8857	E-Mail: Noel.Savole@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: DEP - Bureau of Labs Biology Section	PWSID:	Analysis Requested		Job #:
Address: Twin Towers Lab Complex A Rm 216 6515 2600 Blairstone Rd N	Due Date Requested:			Preservation Codes: R - NaThioSO4
City: Tallahassee	TAT Requested (days):			
State, Zip: FL, 32399	Compliance Project: Δ Yes Δ No			
Phone:	PO #: C402CA			Other:
Email: DEP-overflowmicro@floridadep.gov	WO #:			
Project Name: Starke Burt	Project #: 76200776			
Site: FL0028126	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Soil, Oil, Tissue, Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	IDEXX_ColQT_24H - Fecal Coliform	IDEX_Ent_9H_QT - Enterococci	9223B_ClQT8_9H - E.Coli	Total Number of containers	Special Instructions/Note:
			Preservation Code:				P	R	R		
Starke Bacteria 10.20.25	10/20/25	11:05	C	Water			X		X		RE-2024: RA-2025-10-0644

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Carol Lucas	10/20/25 12:50	FDEP		10/20/25 1250	FET
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 16.1°C on Ice T-096

Ver: 04/02/2024

Eurofins Jacksonville
8021-6 Philips Highway
Jacksonville, FL 32256
Phone (904) 296-3007 Phone (904) 296-6210

Chain of Custody Record

eurofins | Environment Testing

11/6/2025

Client Information	Sampler:	Lab PM: Savoie, Noel	Carrier Tracking No(s):	COC No: 762-4973-783.1
Client Contact: Sarah Menz	Phone: 850-245-8857	E-Mail: Noel.Savoie@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: DEP - Bureau of Labs Biology Section	PWSID:	Analysis Requested		Job #:
Address: Twin Towers Lab Complex A Rm 216 6515 2600 Blairstone Rd MS	Due Date Requested:			Preservation Codes: R - NaThioSO4
City: Tallahassee	TAT Requested (days):			
State, Zip: FL, 32399	Compliance Project: Δ Yes Δ No			
Phone	PO #: C402CA			Other:
Email: DEP-overflowmicro@floridadep.gov	WO #:			
Project Name: STARKE SYS	Project #: 76200778			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	IDEXX_ColQT_24H - Fecal Coliform	IDEX_Ent_8H_QT - Enterococci	9223B_CIQ18_8H - E.Coli	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	R	R	R	X	
GINE0938	10/20/2025	1000	G	Water			1	1			RQ-2025-10-06-44
GINE0966	1	1200	G				1	1			

762-7702 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Jeremy Parrish	10/20/2025 15:15			10/20/25 1516	EET
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.2°C uncor

Ver: 04/02/2024

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STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
TASK ASSIGNMENT/NOTIFICATION FORM: LAB145

Contract Manager. Linda Allen/Devan Cobb (850)-245-8084 / (850) 245-8078
2600 Blair Stone Rd , MS 6512
Tallahassee, FL 32399-2400

Contractor Eurofins Environmental Testing Southeast LLC
5102 LaRoche Ave
Savannah, GA 31404
ATTN Noel Savoie

DEP Approval By. Devan R. Cobb-Williams Contractor Approval By. Noel Savoie
Project Manager

Contractor Representatives Contacted Noel Savoie

Date: 9/8/2025
Means of Contact Email

Task Assignment Number OV700 Maximum Cost **$124.50** Turnaround Time 5 BD

Sample Delivery Date 10/21/2025

Project Name/Description:
RQ-2025-10-06-44, FY15 Starke WWTF (FL0028126) DW MA

Deliverable Number/ Parameter Group/ Method	Sample Matrix	# of Samples	# of Containers	DEP ID #	Unit Cost	% Mark-up (if any)	Cost
Quote/OV-CBOD-IN CBOD, nitrogen-inhibited 5210B-2011	W	3	3		$39.00		$117.00
217/Sample Disposal Fee	3				$2.50		$7.50
Total Number of Containers Shipped:	3					**Total:**	**$124.50**

670-73039 Chain of Custody

QC Instructions:

Comments:

Samples released to Contract Lab by _____ Date/Time. 10/21/25 1:50 PM

Delivery Method _____ Shipping FEDEX

Samples Accepted by _____ Date/Time 10/21/25 0935 1.0-1.0

* **Please sign and return by email to** Linda.S.Allen@FloridaDEP.gov and **Devan.R.Cobb@dep.state.fl.us**

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11/5/2025

640.Tallahassee

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
TASK ASSIGNMENT/NOTIFICATION FORM: LAB145

Contract Manager: Linda Allen /Devan Cobb (850) 245-8084/ (850) 245-8078
2600 Blair Stone Rd., MS 6512
Tallahassee, FL 32399-2400

Contractor: Eurofins Environmental Testing Southeast, LLC
5102 LaRoche Ave
Savannah, GA 31404
ATTN: Noel Savoie

DEP Approval By: Devan R. Cobb-Williams Contractor Approval By: Project Manager

Contractor Representatives Contacted: Noel Savoie

Date: 10/23/2025
Means of Contact: Email

Task Assignment Number: OV706 Maximum Cost: **$430.00** Turnaround Time: 10 BD

Sample Delivery Date: 10/23/2025

Project Name/Description:
RQ-2025-10-06-44; NE-DIST-2025-10-21-01;FYI5 Starke WWTF (FL0028126) DW MA; TLH-2025-10-21-52

Deliverable Number/ Parameter Group/	**Sample Matrix**	**# of Samples**	**# of Containers**	**DEP ID #**	**Unit Cost**	**% Mark-up (if any)**	**Cost**
Method							
65/mercury, Low Level (LL CVAFS)1631E	W	4	16 vials	2597147 - 2597150	$105.00		$420.00
217/Sample Disposal Fee:	4				$2.50		$10.00
Total Number of Containers Shipped:		16				**Total:**	**$430.00**

QC Instructions:

Comments:

Samples released to Contract Lab by: B. Rudnick Date/Time: 10/23/2025 13:40

Delivery Method: ____HD____

Samples Accepted by: Date/Time 10.23.25 1340

* **Please sign and return by email to** Linda.S.Allen@FloridaDLP.gov and Devan.R.Cobb@dep.state.fl.us

Rel'd. 10.23.25 1600

Received: 10-24-25 833

Request Number: RQ-2025-10-06-44

FYI5 Starke WWTF (FL0028126) DW MA

Customer: NE-DIST

Project ID: FYI5

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Requester: Benjamin Nomann

Field Report Prepared By: Conor Lucey

Collected By: Conor Lucey Angelina Ortiz

Sampling Agency: FDEP NED

Loca Field WIN	FYI5 Starke WWTF FL00281296 Effluent composite 29.93707588 x -82.11505495	☐ Comp ☐ Grab	Collection (comp begin or grab) Date 10/23/25	Time 10:00 am	(Eastern) Central	Composite end Date 10/28/25	Time 10:00	Bottle Group(s) (See pg 2) 3			
		Matrix (type, e.g., Salt, Fresh, etc) Waste water			Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)				
		Temp (C)	pH		Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)				
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments Poured at 10:30 am from facilities auto sampler						
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						
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
Conor Lucey	10/24/2025 12:00 pm	FedEX	1		

Appendix C. Physical/ Chemical and Habitat Assessment Field Sheets

. . 91799 **DEP Form FD 9000-3 Physical/Chemical Characterization Field Sheet**

SAMPLE ID _____ ORG ID 21FLA LATITUDE 29.93667
COUNTY Bradford STORET # 61NE0938 LONGITUDE -82.11536
DATE 10/20/2025 TIME 1050 SAMPLING AGENCY _____
SITE NAME Starke WWTF - Test
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: 6-12 Right Bank: 6-12

Hydrologic Modification Score (per FT 3101): _____

High Water Mark: 0.6 (m) + 0.6 (above present water level) = 1.2 (present depth) (above bed)

Artificially Impounded ☐ Yes ☐ No

Typical Width (m) Depth (m)/Velocity (m/sec) Transect
5 m wide
m/s | 0.1 m/s | m/s
m deep | 0.6 m deep | m deep

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

Canopy Cover % ☐ Open ☐ Lightly Shaded (11-45%) ☐ Heavily Shaded ☒ Moderate 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 ☒ LVS ☐ LCI ☐ BioRecon

	% Coverage	INVERT # Times Sampled	PERI # Times Sampled
Woody Debris (Snags)	1	Na	
Undercut Banks / Roots			
Leaf Packs or Mat			
Aquatic Vegetation	1	Na	
Rock or Shell Rubble..			
Sand.....			
Mud / Muck / Silt	99	Na	
Other			
Other			

WATER QUALITY

	Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat (%)	Cond. (UMHO/CM)	Salinity (PPT)	SECCHI (M)
Top:	0.3	20.8	7.16	6.02	67.4	300	0.15	0.53
Mid:								☒ VOB
Bottom	0.5							TOTAL DEPTH 0.53

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 ☐

ABUNDANCE

	Not Obs.	Rare	Common	Abundant
Periphyton:	☐	☐	☒	☐
Fish:	☐	☒	☐	☐
Aquatic Plants:	☐	☐	☒	☐
Iron/Sulfur Bacteria:	☐	☒	☐	☐

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

AMBIENT FIELD CONDITIONS / NOTES:

* Heskridewdy Samples only NO SCI

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

SAMPLING TEAM _____ SIGNATURE: _____ DATE: 10/20/2025

62-160.800, F.A.C. Revision Date: January 2017

91799 **DEP Form FD 9000-5 Stream/River Habitat Assessment Field Sheet**

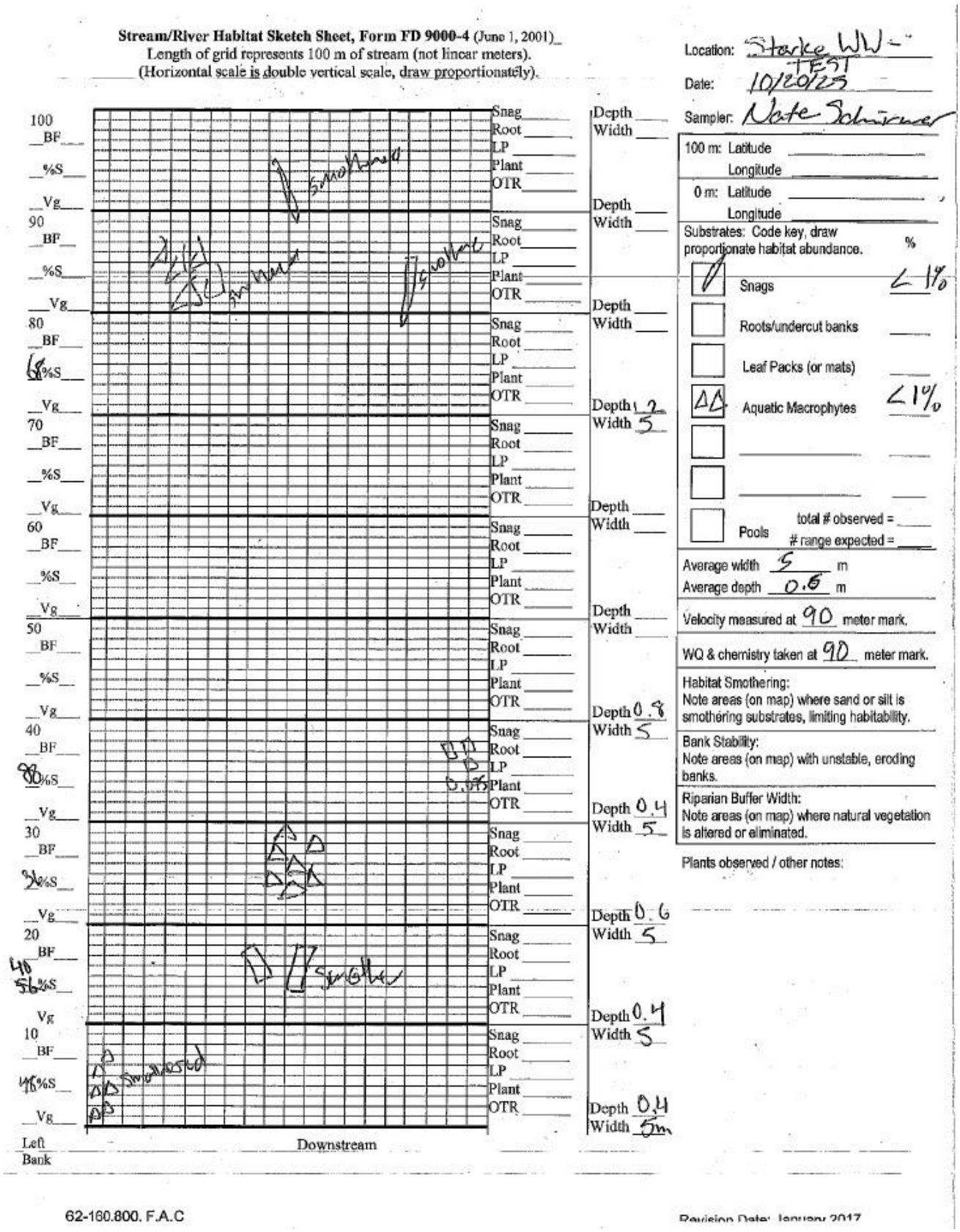
SAMPLING AGENCY:		STORET STATION NUMBER:	DATE (MM/DD/YY):	RECEIVING BODY OF WATER:
21 FLA NEROC		61NE0938	10/20/25	
REMARKS:	COUNTY: Bradford	LOCATION: Starke WWTF – Test		FIELD ID/NAME:

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 10	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 3 Primary Score 16	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** 3	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 or straightening 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 2 Left Bank 2	Bankfull > 60% of bank height. Slope of bank ≤ 60° from bankful to top of bank. Bankfull is within or above the woody 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 woody root zone with raw, eroded areas. 3 (2) 1
Riparian Buffer Zone Width Right Bank 4 Left Bank 4	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 4 Left Bank 4 Secondary Score 23	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

39 **TOTAL SCORE**

Date: 10/20/2025	Analyst:	Signature:

62-160.800, F.A.C. Revision Date: January 2017



Stream/River Habitat Sketch Sheet, Form FD 9000-4 (June 1, 2001)
Length of grid represents 100 m of stream (not linear meters).
(Horizontal scale is double vertical scale, draw proportionately).

Location: Starke WW - TEST
Date: 10/20/25
Sampler: Nate Schirmer

100 m: Latitude ____ Longitude ____
0 m: Latitude ____ Longitude ____

Substrates: Code key, draw proportionate habitat abundance. %

- Snags <1%
- Roots/undercut banks
- Leaf Packs (or mats)
- Aquatic Macrophytes <1%
- Pools — total # observed = ____ # range expected = ____

Average width 5 m
Average depth 0.6 m

Velocity measured at 90 meter mark.

WQ & chemistry taken at 90 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:

	BF	%S	Vg	Snag	Root	LP	Plant	OTR	Depth	Width
100										
90										
80		60							1.2	5
70										
60										
50									0.8	5
40		80						0.5%	0.4	5
30		20							0.6	5
20		40							0.4	5
10		40							0.4	5m

Left Bank — Downstream

62-160.800, F.A.C

Revision Date: January 2017

9179Q

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Starke WWTF- Test Site | County: Bradford | Date: 10/20/2025 | Investigators: J Parrish

STORET Station Number: 61NE0938

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
0	1	3	N	
	2	N		
	3			
	4			
	5			48
	6			
	7			
	8			
	9			
10	1	4	N	
	2			
	3	N		
	4			
	5			40
	6			
	7			
	8			
	9			
20	1	6	N	
	2	N		
	3			
	4			
	5			36
	6			
	7			
	8			
	9			
30	1	N	N	
	2			
	3			
	4			
	5			56
	6			
	7			
	8			
	9			
40	1	5	N	
	2	N		
	3			
	4			
	5			88
	6			
	7			
	8			
	9			
50	1	N	N	
	2			
	3			
	4			
	5			94
	6			
	7			
	8			
	9			

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
60	1	N	N	
	2	N		
	3	N		
	4	N		
	5	6		90
	6	6		
	7	X		
	8	X		
	9	5		
70	1	N	N	
	2	N		
	3	X		
	4			
	5			84
	6			
	7			
	8			
	9			
80	1	5	N	
	2	X		
	3	X		
	4	X		
	5	X		64
	6	N		
	7	N		
	8	N		
	9	N		
90	1	N	N	
	2	N		
	3	N		
	4	N		
	5	5		96
	6	N		
	7	N		
	8	N		
	9	3		
100	1	N	N	
	2			
	3			
	4			
	5			96
	6			
	7			
	8			
	9			

Secchi depth	VOB
Estimated?	
# points ranked 4-6	7
total points assessed	86
% points ranked 4-6	8%

Check accompanying data collected at same site/date.	
Algal mat sample	NO
Linear Veg Survey	YES
Habitat Assessment	
SCI/Biorecon	NO
Water sample	
RQ-	

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

RG 10/21

Record "N" and check "Estimated" for points deeper than the Secchi depth; algae are presumed absent. Check "Estimated" if thickness estimated for deep points which can be seen but not reached.

Record "X" for points shallower than Secchi depth for which substrate cannot be seen or reached with the hand. No estimated rank.

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 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%.

62-160.800, F.A.C. Revision Date: January 2017

62-160.800, F.A.C. Revision Date: January 2017

91799

DEP FORM FD 9000-32: LINEAR VEGETATION SURVEY FIELD SHEET

Waterbody: Starke WWTF - TASS Date: 10/20/25 County: Bradford Storet Number: 21NE0538

Analyst: Jay Pea Signature: Jay Pea

Comments:

Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1m^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									P		
Commelina diffusa											
Commelina virginica											
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	P	P	P						P		
Ludwigia repens											
Luziola fluitans											
IF no Dominant or Co-Dominant were selected, indicate with "X"				–						–	
Indicate % cover macrophytes per section											
0-5% Macrophyte Coverage	X	X	X						X	X	
>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 stratiotes											
Polygonum glabra											
Polygonum hydropiperoides										P	
Polygonum punctatum											
Pontederia cordata											
Potamogeton illinoensis											
Ruellia simplex											
Saccioleps striata										P	
Sagittaria kurziana											
Sagittaria lancifolia											
Sagittaria latifolia											
Salvinia minima											
Samolus parviflora											
Saururus cernuus											
Sparganium americanum											
Typha											
Vallisneria americana											
Zizania aquatica											

62-160.800, F.A.C. page 1 of 2 Revision Date: January 2017

DEP Form FD 9000-3 Physical/Chemical Characterization Field Sheet

SAMPLE ID 91795 ORG ID 21FLA LATITUDE 29.93657
COUNTY Bradford STORET # GIWE0966 LONGITUDE -82.114535
DATE 10/20/25 TIME 1200 SAMPLING AGENCY
SITE NAME Starke WWTF - Control
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: 26m Right Bank: 6-12m

Hydrologic Modification Score (per FT 3101):

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

m/s	0.05 m/s	m/s
m deep	0.4 m deep	m deep

High Water Mark: 0.6 (m) + 0.3 (above present water level) = 0.9 (present depth) (above bed)

Artificially Impounded ☐ Yes ☐ No

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

Canopy Cover % ☐ Open ☒ Lightly Shaded (11-45%) ☐ Heavily Shaded ☐ Moderate Shaded (46-80%)

SEDIMENT / SUBSTRATE

Sediment Oils ☒ Absent ☐ Slight ☐ Moderate ☐ Profuse

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

Smothering of Substrates

	None	Slight	Moderate	Severe
Sand Smothering:	☐	☒	☐	☐
Silt Smothering:	☐	☒	☐	☐
Algae Smothering:	☐	☐	☐	☒

SUBSTRATE TYPE
Assessment Tool: ☐ SCI ☒ RPS ☒ LVS ☐ LCI ☐ BioRecon

	% Coverage	INVERT # Times Sampled	PERI # Times Sampled
Woody Debris (Snags)	21	Na	
Undercut Banks / Roots	21	Na	
Leaf Packs or Mat			
Aquatic Vegetation	6	Na	
Rock or Shell Rubble			
Sand			
Mud / Muck / Silt	94		
Other			
Other			

WATER QUALITY

	Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat (%)	Cond. (UMHO/CM)	Salinity (PPT)	Secchi (M)
Top:	0.15	20.3	7.17	6.5	72.7	209	0.10	0.3
Mid:								☒ VOB
Bottom	0.3							Total Depth 0.3

Meter ID: DEST

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) ☐

ABUNDANCE

	Not Obs.	Rare	Common	Abundant
Periphyton:	☐	☐	☐	☒
Fish:	☐	☐	☒	☐
Aquatic Plants:	☐	☐	☐	☒
Iron/Sulfur Bacteria:	☐	☒	☐	☐

AMBIENT FIELD CONDITIONS / NOTES:
* Yesterday samples, No SCI

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

SAMPLING TEAM J Parrish / N Skinner SIGNATURE: DATE: 10/20/25

62-160.800, F.A.C. Revision Date: January 2017

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DEP Form FD 9000-5 Stream/River Habitat Assessment Field Sheet

SAMPLING AGENCY:		STORET STATION NUMBER: 61NE0966	DATE (MM/DD/YY): 10/20/2015	RECEIVING BODY OF WATER:
REMARKS:	COUNTY: Bradford	LOCATION: Starke WWTF - Control		FIELD ID/NAME:

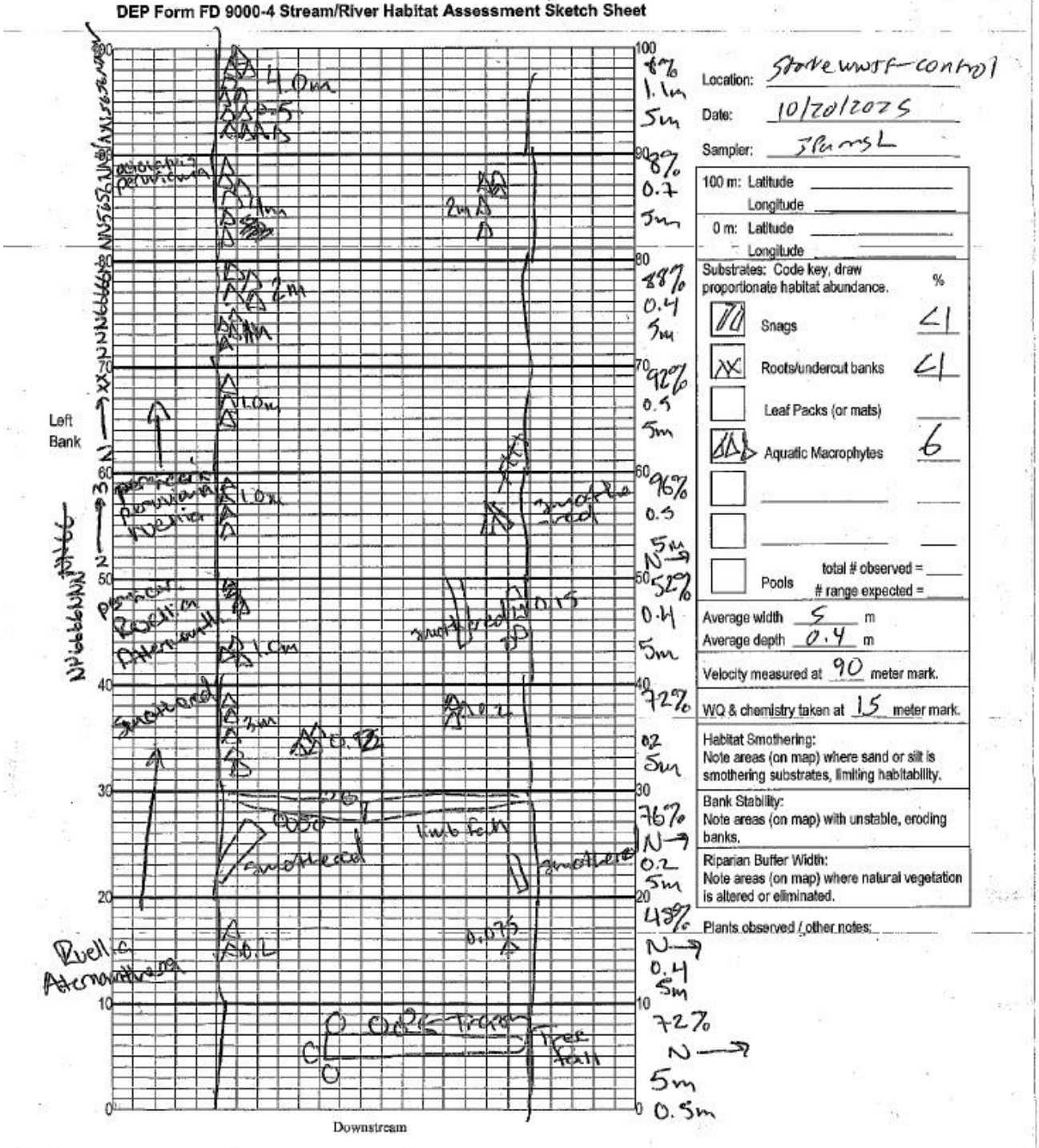
Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components **Substrate Diversity** 5	Four or more major productive habitats present (snags, tree roots, aquatic vegetation, leaf packs (partially decayed), rock) 20 19 18 17 16	Three major productive habitats present. Adequate habitat. 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 6	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 6	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 3 Primary Score 20	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** 3	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 or straightening 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 3 Left Bank 2	Bankfull > 60% of bank height. Slope of bank ≤ 60° from bankful to top of bank. Bankfull is within or above the woody 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 woody root zone with raw, eroded areas. (3) (2) 1
Riparian Buffer Zone Width Right Bank 4 Left Bank 2	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 4 Left Bank 2 Secondary Score 20	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

90 **TOTAL SCORE**

Date: 10/20/2015	Analyst:	Signature:

62-160.800, F.A.C. Revision Date: January 2017

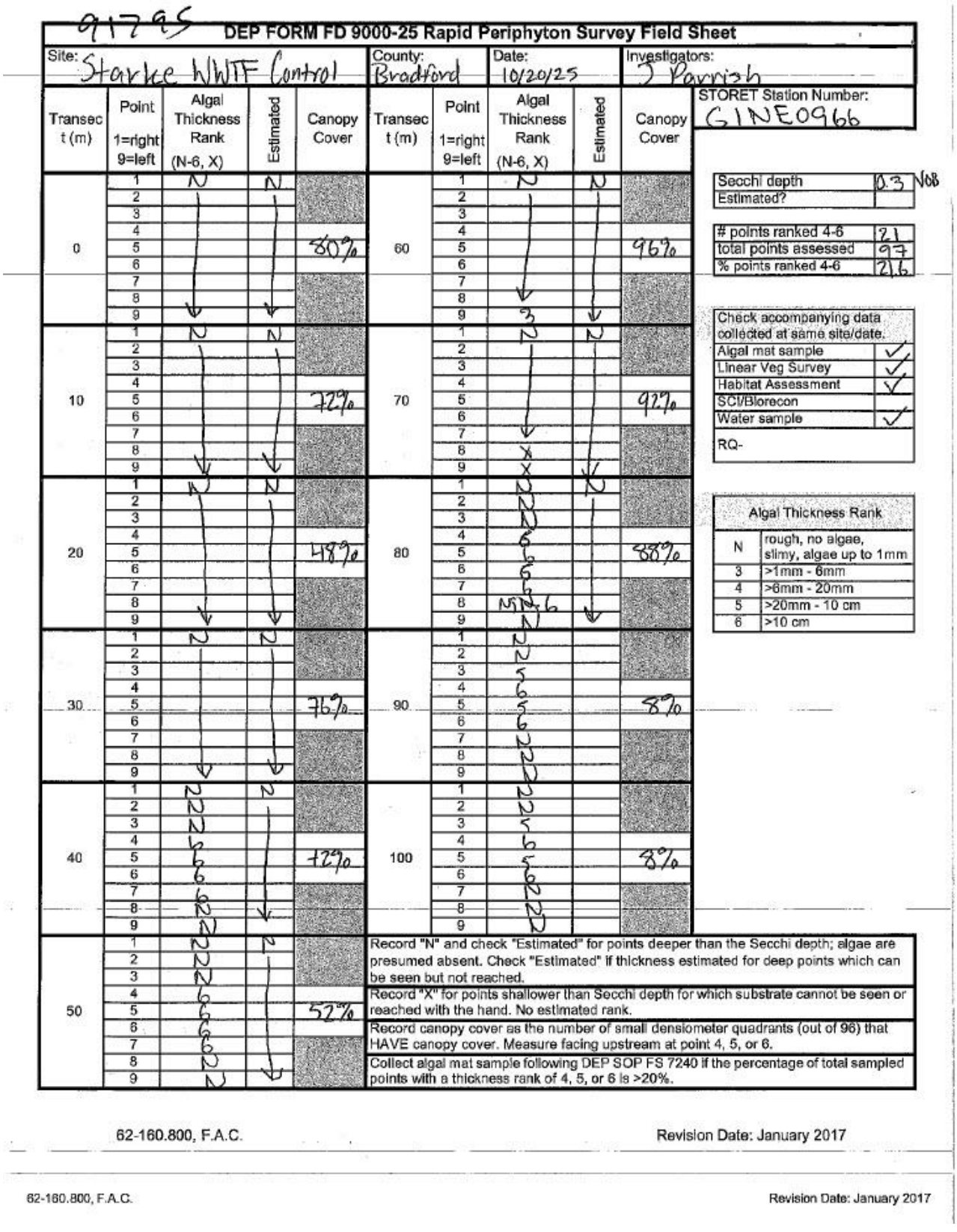
DEP Form FD 9000-4 Stream/River Habitat Assessment Sketch Sheet



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

62-160.800, F.A.C

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DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Starke WWTF Control | County: Bradford | Date: 10/20/25 | Investigators: J Parrish

STORET Station Number: G1NE0966

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
0	1	N	N	
	2			
	3			
	4			
	5			80%
	6			
	7			
	8			
	9			
10	1	2	2	
	2			
	3			
	4			
	5			72%
	6			
	7			
	8			
	9			
20	1	2	2	
	2			
	3			
	4			
	5			48%
	6			
	7			
	8			
	9			
30	1	2	2	
	2			
	3			
	4			
	5			76%
	6			
	7			
	8			
	9			
40	1	2	2	
	2			
	3			
	4			
	5			72%
	6			
	7			
	8			
	9			
50	1	2	2	
	2			
	3			
	4			
	5			52%
	6			
	7			
	8			
	9			

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
60	1	2	2	
	2			
	3			
	4			
	5			96%
	6			
	7			
	8			
	9	3		
70	1	3	2	
	2			
	3			
	4			
	5			92%
	6			
	7			
	8	X		
	9	X		
80	1	2	2	
	2	2		
	3	2		
	4	2		
	5	6		88%
	6	6		
	7	6		
	8	3		
	9	2		
90	1	2		
	2	2		
	3	5		
	4	5		
	5	5		8%
	6	6		
	7	2		
	8	2		
	9	2		
100	1	2		
	2	2		
	3	2		
	4	5		
	5	5		8%
	6	6		
	7	2		
	8	2		
	9	2		

Secchi depth	0.3 VOB
Estimated?	

# points ranked 4-6	21
total points assessed	97
% points ranked 4-6	21.6

Check accompanying data collected at same site/date.	
Algal mat sample	✓
Linear Veg Survey	✓
Habitat Assessment	✓
SCI/Biorecon	
Water sample	✓
RQ-	

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

Record "N" and check "Estimated" for points deeper than the Secchi depth; algae are presumed absent. Check "Estimated" if thickness estimated for deep points which can be seen but not reached.

Record "X" for points shallower than Secchi depth for which substrate cannot be seen or reached with the hand. No estimated rank.

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 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%.

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DEP FORM FD 9000-32: LINEAR VEGETATION SURVEY FIELD SHEET

Waterbody: Starke WWTF- control Date: 9/10/25 County: Bradford Stored Number: FINE0966

Analyst: JPenn Signature: JPenn

Comments:

Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1m² 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	P	P	P	P	P	P	P	P	P	P	
Bacopa caroliniana											
Bacopa monnieri											
Bidens mitis											
Boehmeria cylindrica											
Centella asiatica											
Ceratophyllum demersum											
Chara											
Cicuta maculata											
Cladium jamaicense											
Colocasia esculenta											
Commelina diffusa											
Commelina virginica											
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			P	P	P	P	P	P	P	P	
Ludwigia repens											
Luziola fluitans											
Ludwigia O.											
If no Dominant or Co-Dominant were selected, indicate with "X"											
Indicate % cover macrophytes per section											
0-5% Macrophyte Coverage											
>5 and ≤10% Macrophyte Coverage	X	X	X	X	X	X	X	X	X	X	
>10 and ≤25% Macrophyte Coverage								X			
>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 stratiotes											
Polygonum glabra											
Polygonum hydropiperoides					P	P	P				
Polygonum punctatum											
Pontederia cordata											
Potamogeton illinoensis											
Ruellia simplex	D	D	D	P	D	D	D	D	D	D	
Sacciolepis striata											
Sagittaria kurziana											
Sagittaria lancifolia											
Sagittaria latifolia											
Salvinia minima											
Samolus parviflora											
Saururus cernuus											
Sparganium americanum											
Typha											
Vallisneria americana											
Zizania aquatica											

62-160.800, F.A.C. page 1 of 2 Revision Date:January 2017

Appendix D. Chemical Analysis of Effluent and Receiving Water

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 10:30	EFD-1 Composite	Overflow	Carbonaceous Biochemical Oxygen Demand	2.0 UJ	mg/L	2.0	2.0
10/20/2025 10:30	EFD-1 Composite	Toxicology	Bioassay-Chron-Def-FW-Fish, IC25	No Result	IC25		
10/20/2025 10:30	EFD-1 Composite	Toxicology	Bioassay-Chron-Def-FW-C.dubia, NOEC	25	NOEC		
10/20/2025 10:30	EFD-1 Composite	Toxicology	Bioassay-Chron-Def-FW-Fish, NOEC	No Result	NOEC		
10/20/2025 10:30	EFD-1 Composite	Toxicology	Bioassay-Chron-Def-FW-C.dubia, IC25	50.4	IC25		
10/20/2025 10:30	EFD-1 Composite	Metals	Magnesium	13.1	mg/L	0.040	0.16
10/20/2025 10:30	EFD-1 Composite	Metals	Copper	1.42	µg/L	0.40	0.80
10/20/2025 10:30	EFD-1 Composite	Metals	Silver	0.010 U	µg/L	0.010	0.040
10/20/2025 10:30	EFD-1 Composite	Metals	Calcium	40.4	mg/L	0.075	0.30
10/20/2025 10:30	EFD-1 Composite	Nutrients	TSS	2 I	mg/L	2.0	10
10/20/2025 10:30	EFD-1 Composite	Nutrients	Total-P	1.4	mg P/L	0.050	0.25
10/20/2025 10:30	EFD-1 Composite	Nutrients	Kjeldahl Nitrogen	1.0	mg N/L	0.16	0.40
10/20/2025 10:30	EFD-1 Composite	Nutrients	NO2NO3-N	2.5	mg N/L	0.030	0.10
10/20/2025 11:05	EFD-1 Grab	AGP/LN	Algal Growth Potential	26.2 A	mg DryWt/L	0.300	0.900
10/20/2025 11:05	EFD-1 Grab	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	1.8	µg/L	0.52	1.5
10/20/2025 11:05	EFD-1 Grab	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	1.8	µg/L	0.31	0.92
10/20/2025 11:05	EFD-1 Grab	Chlorophyll/Grain Size/BOD	Phaeophytin-a	0.63 U	µg/L	0.63	1.9
10/20/2025 11:05	EFD-1 Grab	Overflow	Fecal Coliform-Quanti-Tray	3.10	MPN/100 mL	1.00	1.00
10/20/2025 11:05	EFD-1 Grab	Overflow	Escherichia Coli-Quanti-Tray	1.00 U	MPN/100 mL	1.00	1.00
10/20/2025 11:05	EFD-1 Grab	Metals	Arsenic	0.42	µg/L	0.050	0.20
10/20/2025 11:05	EFD-1 Grab	Metals	Potassium	9.6	mg/L	0.30	1.2
10/20/2025 11:05	EFD-1 Grab	Metals	Nickel	1.6 I	µg/L	0.50	2.0
10/20/2025 11:05	EFD-1 Grab	Metals	Calcium	44.2	mg/L	0.075	0.30
10/20/2025 11:05	EFD-1 Grab	Metals	Silver	0.010 U	µg/L	0.010	0.040
10/20/2025 11:05	EFD-1 Grab	Metals	Iron	72 I	µg/L	30	120
10/20/2025 11:05	EFD-1 Grab	Metals	Zinc	29	µg/L	5.0	20
10/20/2025 11:05	EFD-1 Grab	Metals	Copper	1.10	µg/L	0.40	0.80
10/20/2025 11:05	EFD-1 Grab	Metals	Chromium	0.40 U	µg/L	0.40	1.6
10/20/2025 11:05	EFD-1 Grab	Metals	Cadmium	0.020 U	µg/L	0.020	0.080
10/20/2025 11:05	EFD-1 Grab	Metals	Aluminum	18 I	µg/L	5.0	20
10/20/2025 11:05	EFD-1 Grab	Metals	Magnesium	14.3	mg/L	0.040	0.16

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 11:05	EFD-1 Grab	Metals	Selenium	0.20 U	µg/L	0.20	0.80
10/20/2025 11:05	EFD-1 Grab	Metals	Lead	0.22 I	µg/L	0.20	0.40
10/20/2025 11:05	EFD-1 Grab	Metals	Sodium	68.4	mg/L	0.50	2.0
10/20/2025 11:05	EFD-1 Grab	Nutrients	Turbidity	0.95 I	NTU	0.10	1.0
10/20/2025 11:05	EFD-1 Grab	Nutrients	Organic Carbon	6.0	mg C/L	0.50	1.0
10/20/2025 11:05	EFD-1 Grab	Nutrients	O-Phosphate-P	1.3	mg P/L	0.040	0.10
10/20/2025 11:05	EFD-1 Grab	Nutrients	Total Alkalinity	165	mg CaCO3/L	0.65	2.5
10/20/2025 11:05	EFD-1 Grab	Nutrients	NO2NO3-N	1.9	mg N/L	0.030	0.10
10/20/2025 11:05	EFD-1 Grab	Nutrients	Ammonia-N	0.034	mg N/L	0.0020	0.0050
10/20/2025 11:05	EFD-1 Grab	Nutrients	Color (true)	7.6	PCU	2.0	6.0
10/20/2025 11:05	EFD-1 Grab	Nutrients	Fluoride	0.33	mg F/L	0.025	0.10
10/20/2025 11:05	EFD-1 Grab	Nutrients	Kjeldahl Nitrogen	0.83	mg N/L	0.080	0.20
10/20/2025 11:05	EFD-1 Grab	Nutrients	Total-P	1.3	mg P/L	0.050	0.25
10/20/2025 11:05	EFD-1 Grab	Nutrients	Chloride	73 A	mg Cl/L	0.40	1.0
10/20/2025 11:05	EFD-1 Grab	Nutrients	Sulfate	32 A	mg SO4/L	0.40	1.0
10/20/2025 11:05	EFD-1 Grab	Overflow	Mercury	0.60	ng/L	0.20	0.50
10/20/2025 11:05	EFD-1 Grab	Pesticides	Chlorpyrifos Ethyl	0.31 U	ng/L	0.31	1.6
10/20/2025 11:05	EFD-1 Grab	Pesticides	Chlorpyrifos Methyl	0.10 U	ng/L	0.10	0.52
10/20/2025 11:05	EFD-1 Grab	Pesticides	Cyprodinil	0.21 U	ng/L	0.21	1.0
10/20/2025 11:05	EFD-1 Grab	Pesticides	Ethion	0.31 U	ng/L	0.31	1.6
10/20/2025 11:05	EFD-1 Grab	Pesticides	Fenamiphos	0.47 U	ng/L	0.47	2.3
10/20/2025 11:05	EFD-1 Grab	Pesticides	Ametryn	2.6 U	ng/L	2.6	13
10/20/2025 11:05	EFD-1 Grab	Pesticides	Bromacil	0.63 U	ng/L	0.63	3.1
10/20/2025 11:05	EFD-1 Grab	Pesticides	Hexazinone	0.52 U	ng/L	0.52	2.6
10/20/2025 11:05	EFD-1 Grab	Pesticides	Molinate	0.26 U	ng/L	0.26	1.3
10/20/2025 11:05	EFD-1 Grab	Pesticides	Naled	2.6 U	ng/L	2.6	13
10/20/2025 11:05	EFD-1 Grab	Pesticides	Napropamide	0.73 U	ng/L	0.73	3.7
10/20/2025 11:05	EFD-1 Grab	Pesticides	Pendimethalin	1.8 U	ng/L	1.8	8.9
10/20/2025 11:05	EFD-1 Grab	Pesticides	Simazine	5.0 J	ng/L	0.26	1.3
10/20/2025 11:05	EFD-1 Grab	Pesticides	Terbufos	0.21 U	ng/L	0.21	1.0
10/20/2025 11:05	EFD-1 Grab	Pesticides	Terbuthylazine	0.21 U	ng/L	0.21	1.0
10/20/2025 11:05	EFD-1 Grab	Pesticides	Carfentrazone Ethyl	0.16 U	ng/L	0.16	0.78
10/20/2025 11:05	EFD-1 Grab	Pesticides	Butylate	0.47 U	ng/L	0.47	2.3
10/20/2025 11:05	EFD-1 Grab	Pesticides	Dimethomorph	3.1 U	ng/L	3.1	16

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 11:05	EFD-1 Grab	Pesticides	Ibuprofen	0.080 U	µg/L	0.080	0.32
10/20/2025 11:05	EFD-1 Grab	Pesticides	Azinphos Methyl	3.1 U	ng/L	3.1	16
10/20/2025 11:05	EFD-1 Grab	Pesticides	Flumioxazin	3.1 UJ	ng/L	3.1	16
10/20/2025 11:05	EFD-1 Grab	Pesticides	Loratadine	3.0 J	ng/L	0.31	1.6
10/20/2025 11:05	EFD-1 Grab	Pesticides	Metribuzin	0.42 U	ng/L	0.42	2.1
10/20/2025 11:05	EFD-1 Grab	Pesticides	Oxyfluorfen	0.21 U	ng/L	0.21	1.0
10/20/2025 11:05	EFD-1 Grab	Pesticides	Phorate	0.26 U	ng/L	0.26	1.3
10/20/2025 11:05	EFD-1 Grab	Pesticides	Pronamide	0.10 U	ng/L	0.10	0.52
10/20/2025 11:05	EFD-1 Grab	Pesticides	Propanil	0.10 U	ng/L	0.10	0.52
10/20/2025 11:05	EFD-1 Grab	Pesticides	Propargite	0.84 U	ng/L	0.84	4.2
10/20/2025 11:05	EFD-1 Grab	Pesticides	Thiobencarb	0.52 U	ng/L	0.52	2.6
10/20/2025 11:05	EFD-1 Grab	Pesticides	Caffeine	7.8 U	ng/L	7.8	39
10/20/2025 11:05	EFD-1 Grab	Pesticides	Dithiopyr	2.1 UJ	ng/L	2.1	10
10/20/2025 11:05	EFD-1 Grab	Pesticides	Fonofos	0.16 U	ng/L	0.16	0.78
10/20/2025 11:05	EFD-1 Grab	Pesticides	Prometon	3.1 U	ng/L	3.1	16
10/20/2025 11:05	EFD-1 Grab	Pesticides	Diazinon	0.13 U	ng/L	0.13	0.65
10/20/2025 11:05	EFD-1 Grab	Pesticides	Azoxystrobin	6.2 J	ng/L	0.42	2.1
10/20/2025 11:05	EFD-1 Grab	Pesticides	Fluxapyroxad	0.26 U	ng/L	0.26	1.3
10/20/2025 11:05	EFD-1 Grab	Pesticides	Parathion Ethyl	0.16 U	ng/L	0.16	0.78
10/20/2025 11:05	EFD-1 Grab	Pesticides	Phenytoin	58 I	ng/L	13	63
10/20/2025 11:05	EFD-1 Grab	Pesticides	Prodiamine	0.52 U	ng/L	0.52	2.6
10/20/2025 11:05	EFD-1 Grab	Pesticides	Chlorfenapyr	1.1 I	ng/L	0.31	1.6
10/20/2025 11:05	EFD-1 Grab	Pesticides	Coumaphos	1.1 U	ng/L	1.1	5.7
10/20/2025 11:05	EFD-1 Grab	Pesticides	Difenoconazole	0.63 U	ng/L	0.63	3.1
10/20/2025 11:05	EFD-1 Grab	Pesticides	EPTC	0.52 U	ng/L	0.52	2.6
10/20/2025 11:05	EFD-1 Grab	Pesticides	Etridiazole	0.10 U	ng/L	0.10	0.52
10/20/2025 11:05	EFD-1 Grab	Pesticides	Alachlor	0.42 U	ng/L	0.42	2.1
10/20/2025 11:05	EFD-1 Grab	Pesticides	Atrazine Desethyl	1.4 U	ng/L	1.4	6.8
10/20/2025 11:05	EFD-1 Grab	Pesticides	Fipronil Sulfide	2.7	ng/L	0.10	0.52
10/20/2025 11:05	EFD-1 Grab	Pesticides	Parathion Methyl	0.21 U	ng/L	0.21	1.0
10/20/2025 11:05	EFD-1 Grab	Pesticides	Pyraflufen Ethyl	0.31 U	ng/L	0.31	1.6
10/20/2025 11:05	EFD-1 Grab	Pesticides	Sulfentrazone	1.5 UJ	ng/L	1.5	7.3
10/20/2025 11:05	EFD-1 Grab	Pesticides	Triadimefon	0.16 U	ng/L	0.16	0.78
10/20/2025 11:05	EFD-1 Grab	Pesticides	Naproxen	0.0080 U	µg/L	0.0080	0.032

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 11:05	EFD-1 Grab	Pesticides	Fenbuconazole	0.52 U	ng/L	0.52	2.6
10/20/2025 11:05	EFD-1 Grab	Pesticides	Metolachlor	0.78 U	ng/L	0.78	3.9
10/20/2025 11:05	EFD-1 Grab	Pesticides	Norflurazon	1.0 U	ng/L	1.0	5.2
10/20/2025 11:05	EFD-1 Grab	Pesticides	Pyridaben	1.5 U	ng/L	1.5	7.3
10/20/2025 11:05	EFD-1 Grab	Pesticides	Pyriproxyfen	0.26 U	ng/L	0.26	1.7
10/20/2025 11:05	EFD-1 Grab	Pesticides	Carbophenothion	0.52 UJ	ng/L	0.52	2.6
10/20/2025 11:05	EFD-1 Grab	Pesticides	Demeton	3.7 U	ng/L	3.7	18
10/20/2025 11:05	EFD-1 Grab	Pesticides	Dimethenamid	0.10 U	ng/L	0.10	0.52
10/20/2025 11:05	EFD-1 Grab	Pesticides	Atrazine	13	ng/L	0.21	1.0
10/20/2025 11:05	EFD-1 Grab	Pesticides	Acetochlor	0.21 U	ng/L	0.21	1.0
10/20/2025 11:05	EFD-1 Grab	Pesticides	Fipronil Sulfone	0.26 U	ng/L	0.26	1.3
10/20/2025 11:05	EFD-1 Grab	Pesticides	Fipronil	0.25 IJ	ng/L	0.21	1.0
10/20/2025 11:05	EFD-1 Grab	Pesticides	Flutolanil	0.44 I	ng/L	0.10	0.52
10/20/2025 11:05	EFD-1 Grab	Pesticides	Malathion	0.37 U	ng/L	0.37	1.8
10/20/2025 11:05	EFD-1 Grab	Pesticides	Metalaxyl	0.52 U	ng/L	0.52	2.6
10/20/2025 11:05	EFD-1 Grab	Pesticides	Mevinphos	1.0 U	ng/L	1.0	5.2
10/20/2025 11:05	EFD-1 Grab	Pesticides	Oxadiazon	0.37 U	ng/L	0.37	1.8
10/20/2025 11:05	EFD-1 Grab	Pesticides	Prometryn	0.37 U	ng/L	0.37	1.8
10/20/2025 11:05	EFD-1 Grab	Pesticides	Stirophos	0.42 UJ	ng/L	0.42	3.3
10/20/2025 11:05	EFD-1 Grab	Pesticides	Tebuconazole	5.4 I	ng/L	1.5	7.3
10/20/2025 11:05	EFD-1 Grab	Pesticides	Cyanazine	5.2 U	ng/L	5.2	26
10/20/2025 11:05	EFD-1 Grab	Pesticides	Disulfoton	0.63 U	ng/L	0.63	3.1
10/20/2025 11:05	EFD-1 Grab	Pesticides	Ethoprop	0.13 U	ng/L	0.13	0.65
10/20/2025 11:05	EFD-1 Grab	Pesticides	Fluazifop-P-butyl	0.10 UJ	ng/L	0.10	0.52
10/20/2025 11:05	EFD-1 Grab	Pesticides	Fludioxonil	1.6	ng/L	0.10	0.52
10/20/2025 11:05	EFD-1 Grab	Pesticides	Fipronil Desulfinyl	0.19 I	ng/L	0.10	0.52
10/20/2025 11:05	EFD-1 Grab	Pesticides	Imazalil	0.68 U	ng/L	0.68	3.4
10/20/2025 11:05	EFD-1 Grab	Pesticides	Iprodione	0.52 U	ng/L	0.52	2.6
10/20/2025 11:05	EFD-1 Grab	Pesticides	Myclobutanil	0.37 U	ng/L	0.37	1.8
10/20/2025 11:05	EFD-1 Grab	Pesticides	Propiconazole	0.63 U	ng/L	0.63	3.1
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Azobenzene/1,2-Diphenylhydrazine	0.062 U	µg/L	0.062	0.25
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Benzidine	10 U	µg/L	10	41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Benzo(b)fluoranthene	0.15 U	µg/L	0.15	0.62
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Aniline	1.2 UJ	µg/L	1.2	4.9

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.21 U	µg/L	0.21	0.82
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Biphenyl	0.082 U	µg/L	0.082	0.33
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	2.1 U	µg/L	2.1	8.2
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Hexachlorobutadiene	0.072 U	µg/L	0.072	0.29
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	N-Nitrosodi-n-butylamine	0.52 U	µg/L	0.52	2.1
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Safrole	0.082 U	µg/L	0.082	0.33
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.52 U	µg/L	0.52	2.1
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	7,12-Dimethylbenz(a)anthracene	0.052 U	µg/L	0.052	0.21
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Acenaphthene	0.082 U	µg/L	0.082	0.33
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Acetophenone	0.10 U	µg/L	0.10	0.41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Dibenzofuran	0.082 U	µg/L	0.082	0.33
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Dimethyl phthalate	0.31 U	µg/L	0.31	1.2
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.12 U	µg/L	0.12	0.49
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	N-Nitrosomorpholine	0.082 U	µg/L	0.082	0.33
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	N-Nitrosopyrrolidine	0.72 U	µg/L	0.72	2.9
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Naphthalene	0.10 U	µg/L	0.10	0.41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Pentachlorophenol	2.1 U	µg/L	2.1	8.2
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Pyridine	4.1 U	µg/L	4.1	16
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	1,2,4,5-Tetrachlorobenzene	0.072 U	µg/L	0.072	0.29
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2-Chlorophenol	0.10 U	µg/L	0.10	0.41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.1 U	µg/L	3.1	12
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.082 U	µg/L	0.082	0.33
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Di-n-octyl phthalate	1.0 U	µg/L	1.0	4.1
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Ethyl methanesulfonate	2.6 U	µg/L	2.6	10
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Fluoranthene	0.10 U	µg/L	0.10	0.41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	N-Nitrosodiethylamine	0.41 U	µg/L	0.41	1.6
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Pentachlorobenzene	0.062 U	µg/L	0.062	0.25
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Phenol	0.21 U	µg/L	0.21	0.82
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2,6-Dichlorophenol	0.10 U	µg/L	0.10	0.41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2,3,5-Trimethylnaphthalene	0.082 U	µg/L	0.082	0.33
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2,4-Dinitrophenol	10 UJ	µg/L	10	41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	1,3-Dinitrobenzene	0.52 U	µg/L	0.52	2.1
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2-Chloronaphthalene	0.082 U	µg/L	0.082	0.33
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Acenaphthylene	0.082 U	µg/L	0.082	0.33

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Benzo(a)pyrene	0.082 U	µg/L	0.082	0.33
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.21 U	µg/L	0.21	0.82
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.082 U	µg/L	0.082	0.33
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Dibenzothiophene	0.072 U	µg/L	0.072	0.29
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Fluorene	0.082 U	µg/L	0.082	0.33
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.21 U	µg/L	0.21	0.82
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Hexachloropropene	0.082 U	µg/L	0.082	0.33
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.52 U	µg/L	0.52	2.1
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	m,p-Cresols	0.26 U	µg/L	0.26	1.0
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	N-Nitrosodiphenylamine/ Diphenylamine	0.082 U	µg/L	0.082	0.33
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2-Nitroaniline	0.31 U	µg/L	0.31	1.2
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2,3,4,6-Tetrachlorophenol	0.21 U	µg/L	0.21	0.82
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	3,3'-Dichlorobenzidine	4.1 U	µg/L	4.1	16
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.072 U	µg/L	0.072	0.29
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.31 U	µg/L	0.31	1.2
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.10 U	µg/L	0.10	0.41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	1,3,5-Trinitrobenzene	0.52 U	µg/L	0.52	2.1
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2-Acetylaminofluorene	0.82 U	µg/L	0.82	3.3
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	4-Nitrophenol	5.2 U	µg/L	5.2	21
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Benzo(a)anthracene	0.10 U	µg/L	0.10	0.41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Bis(2-ethylhexyl)adipate	0.62 U	µg/L	0.62	2.5
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Diethyl phthalate	1.5 U	µg/L	1.5	6.2
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	N-Nitrosomethylethylamine	2.1 U	µg/L	2.1	8.2
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Pentachloroethane	0.15 U	µg/L	0.15	0.62
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2-Methylnaphthalene	0.15 U	µg/L	0.15	0.62
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Benzo(k)fluoranthene	0.072 U	µg/L	0.072	0.29
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Chrysene	0.082 U	µg/L	0.082	0.33
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Di-n-butyl phthalate	3.1 U	µg/L	3.1	12
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Hexachlorobenzene	0.062 U	µg/L	0.062	0.25
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Isophorone	0.10 U	µg/L	0.10	0.41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2-Picoline	0.62 U	µg/L	0.62	2.5
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2,6-Dimethylnaphthalene	0.082 U	µg/L	0.082	0.33
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	1,4-Dioxane	0.12 I	µg/L	0.040	0.20
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	1-Methylnaphthalene	0.15 U	µg/L	0.15	0.62

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	1-Methylphenanthrene	0.10 U	µg/L	0.10	0.41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Butyl benzyl phthalate	0.52 U	µg/L	0.52	2.1
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Carbazole	0.10 U	µg/L	0.10	0.41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.52 U	µg/L	0.52	2.1
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Dimethylaminoazobenzene	0.41 U	µg/L	0.41	1.6
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Hexachloroethane	0.10 U	µg/L	0.10	0.41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Isosafrole	0.10 U	µg/L	0.10	0.41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	N-Nitrosodimethylamine	2.6 U	µg/L	2.6	10
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Nitrobenzene	0.10 U	µg/L	0.10	0.41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	o-Toluidine	0.41 UJ	µg/L	0.41	1.6
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Pyrene	0.10 U	µg/L	0.10	0.41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2,4,5-Trichlorophenol	0.21 U	µg/L	0.21	0.82
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2,4-Dichlorophenol	0.10 U	µg/L	0.10	0.41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2,6-Dinitrotoluene	0.10 U	µg/L	0.10	0.41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Anthracene	0.062 U	µg/L	0.062	0.25
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Benzyl alcohol	0.31 U	µg/L	0.31	1.2
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	N-Nitrosopiperidine	0.072 U	µg/L	0.072	0.29
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	o-Cresol	0.21 U	µg/L	0.21	0.82
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Pentachloronitrobenzene	0.10 U	µg/L	0.10	0.41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	Phenanthrene	0.072 U	µg/L	0.072	0.29
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2-Nitrophenol	0.10 U	µg/L	0.10	0.41
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2,4-Dimethylphenol	4.1 UJ	µg/L	4.1	16
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	2,4-Dinitrotoluene	0.15 U	µg/L	0.15	0.62
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	3-Methylcholanthrene	0.62 U	µg/L	0.62	2.5
10/20/2025 11:05	EFD-1 Grab	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.082 U	µg/L	0.082	0.33
10/20/2025 11:05	EFD-1 Grab	Nutrients	Dissolved Oxygen %Sat	85.4	%Sat		
10/20/2025 11:05	EFD-1 Grab	Nutrients	Temperature	25.3	C		
10/20/2025 11:05	EFD-1 Grab	Nutrients	Specific Conductance	662	µmhos/cm		
10/20/2025 11:05	EFD-1 Grab	Nutrients	pH	7.22			
10/20/2025 10:00	Test Site	AGP/LN	Algal Growth Potential	15.4	mg DryWt/L	0.300	0.900
10/20/2025 10:00	Test Site	Chlorophyll/Grain Size/BOD	Phaeophytin-a	0.63 U	µg/L	0.63	1.9
10/20/2025 10:00	Test Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	2.0	µg/L	0.31	0.92
10/20/2025 10:00	Test Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	1.8	µg/L	0.52	1.5
10/20/2025 10:00	Test Site	Overflow	Carbonaceous Biochemical Oxygen Demand	2.0 UJ	mg/L	2.0	2.0

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 10:00	Test Site	Overflow	Escherichia Coli-Quanti-Tray	161	MPN/100 mL	1	1
10/20/2025 10:00	Test Site	Overflow	Fecal Coliform-Quanti-Tray	411	MPN/100 mL	1	1
10/20/2025 10:00	Test Site	Metals	Lead	0.37 I	µg/L	0.20	0.40
10/20/2025 10:00	Test Site	Metals	Selenium	0.20 U	µg/L	0.20	0.80
10/20/2025 10:00	Test Site	Metals	Potassium	4.8	mg/L	0.30	1.2
10/20/2025 10:00	Test Site	Metals	Zinc	16 I	µg/L	5.0	20
10/20/2025 10:00	Test Site	Metals	Nickel	0.88 I	µg/L	0.50	2.0
10/20/2025 10:00	Test Site	Metals	Magnesium	7.61	mg/L	0.040	0.16
10/20/2025 10:00	Test Site	Metals	Cadmium	0.020 U	µg/L	0.020	0.080
10/20/2025 10:00	Test Site	Metals	Copper	2.12	µg/L	0.40	0.80
10/20/2025 10:00	Test Site	Metals	Iron	180	µg/L	30	120
10/20/2025 10:00	Test Site	Metals	Sodium	34.4	mg/L	0.50	2.0
10/20/2025 10:00	Test Site	Metals	Calcium	35.1	mg/L	0.075	0.30
10/20/2025 10:00	Test Site	Metals	Silver	0.010 U	µg/L	0.010	0.040
10/20/2025 10:00	Test Site	Metals	Arsenic	0.39	µg/L	0.050	0.20
10/20/2025 10:00	Test Site	Metals	Aluminum	108	µg/L	5.0	20
10/20/2025 10:00	Test Site	Metals	Chromium	0.40 U	µg/L	0.40	1.6
10/20/2025 10:00	Test Site	Nutrients	Sulfate	44	mg SO4/L	0.20	0.50
10/20/2025 10:00	Test Site	Nutrients	NO2NO3-N	0.87	mg N/L	0.0030	0.010
10/20/2025 10:00	Test Site	Nutrients	Organic Carbon	5.9	mg C/L	0.50	1.0
10/20/2025 10:00	Test Site	Nutrients	Turbidity	2.0	NTU	0.10	1.0
10/20/2025 10:00	Test Site	Nutrients	Fluoride	0.16	mg F/L	0.025	0.10
10/20/2025 10:00	Test Site	Nutrients	Kjeldahl Nitrogen	0.59	mg N/L	0.080	0.20
10/20/2025 10:00	Test Site	Nutrients	Total Alkalinity	91 A	mg CaCO3/L	0.65	2.5
10/20/2025 10:00	Test Site	Nutrients	Total-P	0.56	mg P/L	0.010	0.050
10/20/2025 10:00	Test Site	Nutrients	Ammonia-N	0.022	mg N/L	0.0020	0.0050
10/20/2025 10:00	Test Site	Nutrients	O-Phosphate-P	0.60	mg P/L	0.0080	0.020
10/20/2025 10:00	Test Site	Nutrients	TSS	3 I	mg/L	2.0	10
10/20/2025 10:00	Test Site	Nutrients	Chloride	37	mg Cl/L	0.20	0.50
10/20/2025 10:00	Test Site	Nutrients	Color (true)	17	PCU	2.0	6.0
10/20/2025 10:00	Test Site	Overflow	Mercury	1.8	ng/L	0.20	0.50
10/20/2025 10:00	Test Site	Priority Organic Pollutants	1,3,5-Trinitrobenzene	0.51 U	µg/L	0.51	2.1
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.1 U	µg/L	3.1	12
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2-Methylnaphthalene	0.15 U	µg/L	0.15	0.62

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2,4-Dinitrotoluene	0.15 U	µg/L	0.15	0.62
10/20/2025 10:00	Test Site	Priority Organic Pollutants	3-Methylcholanthrene	0.62 U	µg/L	0.62	2.5
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Azobenzene/1,2-Diphenylhydrazine	0.062 U	µg/L	0.062	0.25
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Benzo(a)anthracene	0.10 U	µg/L	0.10	0.41
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Benzo(b)fluoranthene	0.15 U	µg/L	0.15	0.62
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Benzyl alcohol	0.31 U	µg/L	0.31	1.2
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Biphenyl	0.082 U	µg/L	0.082	0.33
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Bis(2-ethylhexyl)adipate	0.62 U	µg/L	0.62	2.5
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Butyl benzyl phthalate	0.51 U	µg/L	0.51	2.1
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Nitrobenzene	0.10 U	µg/L	0.10	0.41
10/20/2025 10:00	Test Site	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.10 U	µg/L	0.10	0.41
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2-Nitrophenol	0.10 U	µg/L	0.10	0.41
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2,3,4,6-Tetrachlorophenol	0.21 U	µg/L	0.21	0.82
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.51 U	µg/L	0.51	2.1
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2,6-Dinitrotoluene	0.10 U	µg/L	0.10	0.41
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Aniline	1.2 UJ	µg/L	1.2	4.9
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Benzo(a)pyrene	0.082 U	µg/L	0.082	0.33
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Benzo(k)fluoranthene	0.072 U	µg/L	0.072	0.29
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.082 U	µg/L	0.082	0.33
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.51 U	µg/L	0.51	2.1
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Dimethylaminoazobenzene	0.41 U	µg/L	0.41	1.6
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Fluoranthene	0.10 U	µg/L	0.10	0.41
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.51 U	µg/L	0.51	2.1
10/20/2025 10:00	Test Site	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.12 U	µg/L	0.12	0.49
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Pentachlorobenzene	0.062 U	µg/L	0.062	0.25
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Phenanthrene	0.072 U	µg/L	0.072	0.29
10/20/2025 10:00	Test Site	Priority Organic Pollutants	1,2,4,5-Tetrachlorobenzene	0.072 U	µg/L	0.072	0.29
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2,4-Dichlorophenol	0.10 U	µg/L	0.10	0.41
10/20/2025 10:00	Test Site	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.072 U	µg/L	0.072	0.29
10/20/2025 10:00	Test Site	Priority Organic Pollutants	4-Nitrophenol	5.1 U	µg/L	5.1	21
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Acenaphthene	0.082 U	µg/L	0.082	0.33
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Di-n-octyl phthalate	1.0 U	µg/L	1.0	4.1
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Isosafrole	0.10 U	µg/L	0.10	0.41
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Pentachloronitrobenzene	0.10 U	µg/L	0.10	0.41

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 10:00	Test Site	Priority Organic Pollutants	1,3-Dinitrobenzene	0.51 U	µg/L	0.51	2.1
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2-Picoline	0.62 U	µg/L	0.62	2.5
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2,6-Dimethylnaphthalene	0.082 U	µg/L	0.082	0.33
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Acetophenone	0.10 U	µg/L	0.10	0.41
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Anthracene	0.062 U	µg/L	0.062	0.25
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Benzidine	10 U	µg/L	10	41
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.21 U	µg/L	0.21	0.82
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Di-n-butyl phthalate	3.1 U	µg/L	3.1	12
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Hexachloroethane	0.10 U	µg/L	0.10	0.41
10/20/2025 10:00	Test Site	Priority Organic Pollutants	N-Nitrosodi-n-butylamine	0.51 U	µg/L	0.51	2.1
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Pentachloroethane	0.15 U	µg/L	0.15	0.62
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Pyrene	0.10 U	µg/L	0.10	0.41
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2,4-Dimethylphenol	4.1 UJ	µg/L	4.1	16
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Dimethyl phthalate	0.31 U	µg/L	0.31	1.2
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Hexachlorobutadiene	0.072 U	µg/L	0.072	0.29
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Hexachloropropene	0.082 U	µg/L	0.082	0.33
10/20/2025 10:00	Test Site	Priority Organic Pollutants	N-Nitrosomethylethylamine	2.1 U	µg/L	2.1	8.2
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Phenol	0.21 U	µg/L	0.21	0.82
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Safrole	0.082 U	µg/L	0.082	0.33
10/20/2025 10:00	Test Site	Priority Organic Pollutants	1,4-Dioxane	0.055 I	µg/L	0.040	0.20
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2-Chloronaphthalene	0.082 U	µg/L	0.082	0.33
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2-Nitroaniline	0.31 U	µg/L	0.31	1.2
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2,3,5-Trimethylnaphthalene	0.082 U	µg/L	0.082	0.33
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.082 U	µg/L	0.082	0.33
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Ethyl methanesulfonate	2.6 U	µg/L	2.6	10
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Hexachlorobenzene	0.062 U	µg/L	0.062	0.25
10/20/2025 10:00	Test Site	Priority Organic Pollutants	N-Nitrosodiethylamine	0.41 U	µg/L	0.41	1.6
10/20/2025 10:00	Test Site	Priority Organic Pollutants	N-Nitrosodimethylamine	2.6 U	µg/L	2.6	10
10/20/2025 10:00	Test Site	Priority Organic Pollutants	N-Nitrosodiphenylamine/ Diphenylamine	0.082 U	µg/L	0.082	0.33
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Naphthalene	0.10 U	µg/L	0.10	0.41
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Pentachlorophenol	2.1 U	µg/L	2.1	8.2
10/20/2025 10:00	Test Site	Priority Organic Pollutants	1-Methylphenanthrene	0.10 U	µg/L	0.10	0.41
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Acenaphthylene	0.082 U	µg/L	0.082	0.33
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Carbazole	0.10 U	µg/L	0.10	0.41

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Chrysene	0.082 U	µg/L	0.082	0.33
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Dibenzofuran	0.082 U	µg/L	0.082	0.33
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Dibenzothiophene	0.072 U	µg/L	0.072	0.29
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Fluorene	0.082 U	µg/L	0.082	0.33
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Isophorone	0.10 U	µg/L	0.10	0.41
10/20/2025 10:00	Test Site	Priority Organic Pollutants	o-Cresol	0.21 U	µg/L	0.21	0.82
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Pyridine	4.1 U	µg/L	4.1	16
10/20/2025 10:00	Test Site	Priority Organic Pollutants	1-Methylnaphthalene	0.15 U	µg/L	0.15	0.62
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2-Acetylaminofluorene	0.82 U	µg/L	0.82	3.3
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2-Chlorophenol	0.10 U	µg/L	0.10	0.41
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2,4-Dinitrophenol	10 UJ	µg/L	10	41
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2,4,5-Trichlorophenol	0.21 U	µg/L	0.21	0.82
10/20/2025 10:00	Test Site	Priority Organic Pollutants	2,6-Dichlorophenol	0.10 U	µg/L	0.10	0.41
10/20/2025 10:00	Test Site	Priority Organic Pollutants	3,3'-Dichlorobenzidine	4.1 U	µg/L	4.1	16
10/20/2025 10:00	Test Site	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.31 U	µg/L	0.31	1.2
10/20/2025 10:00	Test Site	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.082 U	µg/L	0.082	0.33
10/20/2025 10:00	Test Site	Priority Organic Pollutants	7,12-Dimethylbenz(a)anthracene	0.051 U	µg/L	0.051	0.21
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.21 U	µg/L	0.21	0.82
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	2.1 U	µg/L	2.1	8.2
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Diethyl phthalate	1.5 U	µg/L	1.5	6.2
10/20/2025 10:00	Test Site	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.21 U	µg/L	0.21	0.82
10/20/2025 10:00	Test Site	Priority Organic Pollutants	m,p-Cresols	0.26 U	µg/L	0.26	1.0
10/20/2025 10:00	Test Site	Priority Organic Pollutants	N-Nitrosomorpholine	0.082 U	µg/L	0.082	0.33
10/20/2025 10:00	Test Site	Priority Organic Pollutants	N-Nitrosopiperidine	0.072 U	µg/L	0.072	0.29
10/20/2025 10:00	Test Site	Priority Organic Pollutants	N-Nitrosopyrrolidine	0.72 U	µg/L	0.72	2.9
10/20/2025 10:00	Test Site	Priority Organic Pollutants	o-Toluidine	0.41 UJ	µg/L	0.41	1.6
10/20/2025 10:00	Test Site	Nutrients	Temperature	20.8	C		
10/20/2025 10:00	Test Site	Nutrients	Specific Conductance	310	µmhos/cm		
10/20/2025 10:00	Test Site	Nutrients	Sample Depth	0.3	m		
10/20/2025 10:00	Test Site	Nutrients	Dissolved Oxygen %Sat	67.4	%Sat		
10/20/2025 10:00	Test Site	Nutrients	pH	7.16			
10/20/2025 12:00	Control Site	AGP/LN	Algal Growth Potential	0.300 U	mg DryWt/L	0.300	0.900
10/20/2025 12:00	Control Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	1.1 I	µg/L	0.52	1.5
10/20/2025 12:00	Control Site	Chlorophyll/Grain Size/BOD	Phaeophytin-a	0.63 U	µg/L	0.63	1.9

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 12:00	Control Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	1.1	µg/L	0.31	0.92
10/20/2025 12:00	Control Site	Overflow	Escherichia Coli-Quanti-Tray	98.5	MPN/100 mL	1	1
10/20/2025 12:00	Control Site	Overflow	Fecal Coliform-Quanti-Tray	345	MPN/100 mL	1	1
10/20/2025 12:00	Control Site	Overflow	Carbonaceous Biochemical Oxygen Demand	2.0 UJ	mg/L	2.0	2.0
10/20/2025 12:00	Control Site	Metals	Calcium	31.2	mg/L	0.075	0.30
10/20/2025 12:00	Control Site	Metals	Lead	0.20 U	µg/L	0.20	0.40
10/20/2025 12:00	Control Site	Metals	Sodium	10.3	mg/L	0.50	2.0
10/20/2025 12:00	Control Site	Metals	Chromium	0.40 U	µg/L	0.40	1.6
10/20/2025 12:00	Control Site	Metals	Magnesium	2.48	mg/L	0.040	0.16
10/20/2025 12:00	Control Site	Metals	Cadmium	0.020 U	µg/L	0.020	0.080
10/20/2025 12:00	Control Site	Metals	Nickel	0.50 U	µg/L	0.50	2.0
10/20/2025 12:00	Control Site	Metals	Selenium	0.20 U	µg/L	0.20	0.80
10/20/2025 12:00	Control Site	Metals	Iron	160	µg/L	30	120
10/20/2025 12:00	Control Site	Metals	Zinc	5.0 U	µg/L	5.0	20
10/20/2025 12:00	Control Site	Metals	Copper	0.40 U	µg/L	0.40	0.80
10/20/2025 12:00	Control Site	Metals	Silver	0.010 U	µg/L	0.010	0.040
10/20/2025 12:00	Control Site	Metals	Aluminum	91	µg/L	5.0	20
10/20/2025 12:00	Control Site	Metals	Arsenic	0.26	µg/L	0.050	0.20
10/20/2025 12:00	Control Site	Metals	Potassium	1.0 I	mg/L	0.30	1.2
10/20/2025 12:00	Control Site	Nutrients	NO2NO3-N	0.006 I	mg N/L	0.0030	0.010
10/20/2025 12:00	Control Site	Nutrients	Kjeldahl Nitrogen	0.24	mg N/L	0.080	0.20
10/20/2025 12:00	Control Site	Nutrients	O-Phosphate-P	0.006 I	mg P/L	0.0040	0.010
10/20/2025 12:00	Control Site	Nutrients	Ammonia-N	0.014	mg N/L	0.0020	0.0050
10/20/2025 12:00	Control Site	Nutrients	Organic Carbon	5.5	mg C/L	0.50	1.0
10/20/2025 12:00	Control Site	Nutrients	Chloride	14	mg Cl/L	0.20	0.50
10/20/2025 12:00	Control Site	Nutrients	TSS	3 I	mg/L	2.0	10
10/20/2025 12:00	Control Site	Nutrients	Fluoride	0.047 I	mg F/L	0.025	0.10
10/20/2025 12:00	Control Site	Nutrients	Turbidity	2.0	NTU	0.10	1.0
10/20/2025 12:00	Control Site	Nutrients	Sulfate	57 J	mg SO4/L	0.20	0.50
10/20/2025 12:00	Control Site	Nutrients	Color (true)	23	PCU	2.0	6.0
10/20/2025 12:00	Control Site	Nutrients	Total Alkalinity	35	mg CaCO3/L	0.65	2.5
10/20/2025 12:00	Control Site	Nutrients	Total-P	0.015	mg P/L	0.0020	0.0050
10/20/2025 12:00	Control Site	Overflow	Mercury	0.98	ng/L	0.20	0.50
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Pentachlorobenzene	0.063 U	µg/L	0.063	0.25

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Pentachloroethane	0.16 U	µg/L	0.16	0.63
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Phenanthrene	0.073 U	µg/L	0.073	0.29
10/20/2025 12:00	Control Site	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.10 U	µg/L	0.10	0.42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2-Acetylaminofluorene	0.84 U	µg/L	0.84	3.4
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2-Chlorophenol	0.10 U	µg/L	0.10	0.42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2-Nitroaniline	0.31 U	µg/L	0.31	1.3
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2-Picoline	0.63 U	µg/L	0.63	2.5
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2,3,5-Trimethylnaphthalene	0.084 U	µg/L	0.084	0.34
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.52 U	µg/L	0.52	2.1
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2,6-Dimethylnaphthalene	0.084 U	µg/L	0.084	0.34
10/20/2025 12:00	Control Site	Priority Organic Pollutants	3-Methylcholanthrene	0.63 U	µg/L	0.63	2.5
10/20/2025 12:00	Control Site	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.31 U	µg/L	0.31	1.3
10/20/2025 12:00	Control Site	Priority Organic Pollutants	7,12-Dimethylbenz(a)anthracene	0.052 U	µg/L	0.052	0.21
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.21 U	µg/L	0.21	0.84
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Di-n-octyl phthalate	1.0 U	µg/L	1.0	4.2
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Hexachloropropene	0.084 U	µg/L	0.084	0.34
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.52 U	µg/L	0.52	2.1
10/20/2025 12:00	Control Site	Priority Organic Pollutants	m,p-Cresols	0.26 U	µg/L	0.26	1.0
10/20/2025 12:00	Control Site	Priority Organic Pollutants	1-Methylnaphthalene	0.16 U	µg/L	0.16	0.63
10/20/2025 12:00	Control Site	Priority Organic Pollutants	1,2,4,5-Tetrachlorobenzene	0.073 U	µg/L	0.073	0.29
10/20/2025 12:00	Control Site	Priority Organic Pollutants	1,3-Dinitrobenzene	0.52 U	µg/L	0.52	2.1
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2,4-Dimethylphenol	4.2 UJ	µg/L	4.2	17
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Aniline	1.3 UJ	µg/L	1.3	5.0
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Benzidine	10 U	µg/L	10	42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Benzo(a)anthracene	0.10 U	µg/L	0.10	0.42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Dimethyl phthalate	0.31 U	µg/L	0.31	1.3
10/20/2025 12:00	Control Site	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.13 U	µg/L	0.13	0.50
10/20/2025 12:00	Control Site	Priority Organic Pollutants	N-Nitrosopyrrolidine	0.73 U	µg/L	0.73	2.9
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Pyridine	4.2 U	µg/L	4.2	17
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.1 U	µg/L	3.1	13
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2-Methylnaphthalene	0.16 U	µg/L	0.16	0.63
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2,3,4,6-Tetrachlorophenol	0.21 U	µg/L	0.21	0.84
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Benzo(k)fluoranthene	0.073 U	µg/L	0.073	0.29
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Bis(2-ethylhexyl)adipate	0.63 U	µg/L	0.63	2.5

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Chrysene	0.084 U	µg/L	0.084	0.34
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.52 U	µg/L	0.52	2.1
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Dimethylaminoazobenzene	0.42 U	µg/L	0.42	1.7
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Hexachlorobenzene	0.063 U	µg/L	0.063	0.25
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Hexachlorobutadiene	0.073 U	µg/L	0.073	0.29
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Isosafrole	0.10 U	µg/L	0.10	0.42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	N-Nitrosodimethylamine	2.6 U	µg/L	2.6	10
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Naphthalene	0.10 U	µg/L	0.10	0.42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	o-Toluidine	0.42 UJ	µg/L	0.42	1.7
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Safrole	0.084 U	µg/L	0.084	0.34
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2-Chloronaphthalene	0.084 U	µg/L	0.084	0.34
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2-Nitrophenol	0.10 U	µg/L	0.10	0.42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2,4-Dinitrophenol	10 UJ	µg/L	10	42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2,4,5-Trichlorophenol	0.21 U	µg/L	0.21	0.84
10/20/2025 12:00	Control Site	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.084 U	µg/L	0.084	0.34
10/20/2025 12:00	Control Site	Priority Organic Pollutants	4-Nitrophenol	5.2 U	µg/L	5.2	21
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.21 U	µg/L	0.21	0.84
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Diethyl phthalate	1.6 U	µg/L	1.6	6.3
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.21 U	µg/L	0.21	0.84
10/20/2025 12:00	Control Site	Priority Organic Pollutants	N-Nitrosopiperidine	0.073 U	µg/L	0.073	0.29
10/20/2025 12:00	Control Site	Priority Organic Pollutants	o-Cresol	0.21 U	µg/L	0.21	0.84
10/20/2025 12:00	Control Site	Priority Organic Pollutants	1,4-Dioxane	0.040 U	µg/L	0.040	0.20
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Acenaphthylene	0.084 U	µg/L	0.084	0.34
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	2.1 U	µg/L	2.1	8.4
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Carbazole	0.10 U	µg/L	0.10	0.42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Fluorene	0.084 U	µg/L	0.084	0.34
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Hexachloroethane	0.10 U	µg/L	0.10	0.42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Isophorone	0.10 U	µg/L	0.10	0.42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Nitrobenzene	0.10 U	µg/L	0.10	0.42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Pentachlorophenol	2.1 U	µg/L	2.1	8.4
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Pyrene	0.10 U	µg/L	0.10	0.42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	1,3,5-Trinitrobenzene	0.52 U	µg/L	0.52	2.1
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2,4-Dichlorophenol	0.10 U	µg/L	0.10	0.42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2,6-Dinitrotoluene	0.10 U	µg/L	0.10	0.42

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 12:00	Control Site	Priority Organic Pollutants	3,3'-Dichlorobenzidine	4.2 U	µg/L	4.2	17
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Acetophenone	0.10 U	µg/L	0.10	0.42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Anthracene	0.063 U	µg/L	0.063	0.25
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Benzo(b)fluoranthene	0.16 U	µg/L	0.16	0.63
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.084 U	µg/L	0.084	0.34
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Di-n-butyl phthalate	3.1 U	µg/L	3.1	13
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Dibenzofuran	0.084 U	µg/L	0.084	0.34
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Dibenzothiophene	0.073 U	µg/L	0.073	0.29
10/20/2025 12:00	Control Site	Priority Organic Pollutants	N-Nitrosodi-n-butylamine	0.52 U	µg/L	0.52	2.1
10/20/2025 12:00	Control Site	Priority Organic Pollutants	N-Nitrosodiphenylamine/ Diphenylamine	0.084 U	µg/L	0.084	0.34
10/20/2025 12:00	Control Site	Priority Organic Pollutants	N-Nitrosomethylethylamine	2.1 U	µg/L	2.1	8.4
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Pentachloronitrobenzene	0.10 U	µg/L	0.10	0.42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2,4-Dinitrotoluene	0.16 U	µg/L	0.16	0.63
10/20/2025 12:00	Control Site	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.073 U	µg/L	0.073	0.29
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Benzyl alcohol	0.31 U	µg/L	0.31	1.3
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Biphenyl	0.084 U	µg/L	0.084	0.34
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.084 U	µg/L	0.084	0.34
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Butyl benzyl phthalate	0.52 U	µg/L	0.52	2.1
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Ethyl methanesulfonate	2.6 U	µg/L	2.6	10
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Fluoranthene	0.10 U	µg/L	0.10	0.42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	N-Nitrosodiethylamine	0.42 U	µg/L	0.42	1.7
10/20/2025 12:00	Control Site	Priority Organic Pollutants	N-Nitrosomorpholine	0.084 U	µg/L	0.084	0.34
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Phenol	0.21 U	µg/L	0.21	0.84
10/20/2025 12:00	Control Site	Priority Organic Pollutants	1-Methylphenanthrene	0.10 U	µg/L	0.10	0.42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	2,6-Dichlorophenol	0.10 U	µg/L	0.10	0.42
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Acenaphthene	0.084 U	µg/L	0.084	0.34
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Azobenzene/1,2-Diphenylhydrazine	0.063 U	µg/L	0.063	0.25
10/20/2025 12:00	Control Site	Priority Organic Pollutants	Benzo(a)pyrene	0.084 U	µg/L	0.084	0.34
10/20/2025 12:00	Control Site	Nutrients	Specific Conductance	208	µmhos/cm		
10/20/2025 12:00	Control Site	Nutrients	Dissolved Oxygen %Sat	72.7	%Sat		
10/20/2025 12:00	Control Site	Nutrients	pH	7.17			
10/20/2025 12:00	Control Site	Nutrients	Sample Depth	0.15	m		
10/20/2025 12:00	Control Site	Nutrients	Temperature	20.3	C		
10/16/2025 14:15	Equipment Blk	Metals	Magnesium	0.040 U	mg/L	0.040	0.16

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/16/2025 14:15	Equipment Blk	Metals	Copper	0.40 U	µg/L	0.40	0.80
10/16/2025 14:15	Equipment Blk	Metals	Silver	0.010 U	µg/L	0.010	0.040
10/16/2025 14:15	Equipment Blk	Metals	Calcium	0.075 U	mg/L	0.075	0.30
10/16/2025 14:15	Equipment Blk	Nutrients	NO2NO3-N	0.003 U	mg N/L	0.0030	0.010
10/16/2025 14:15	Equipment Blk	Nutrients	Kjeldahl Nitrogen	0.080 U	mg N/L	0.080	0.20
10/16/2025 14:15	Equipment Blk	Nutrients	Total-P	0.002 U	mg P/L	0.0020	0.0050
10/20/2025 11:30	Field Blank	Metals	Cadmium	0.020 U	µg/L	0.020	0.080
10/20/2025 11:30	Field Blank	Metals	Calcium	0.075 U	mg/L	0.075	0.30
10/20/2025 11:30	Field Blank	Metals	Arsenic	0.050 U	µg/L	0.050	0.20
10/20/2025 11:30	Field Blank	Metals	Silver	0.010 U	µg/L	0.010	0.040
10/20/2025 11:30	Field Blank	Metals	Lead	0.20 U	µg/L	0.20	0.40
10/20/2025 11:30	Field Blank	Metals	Nickel	0.50 U	µg/L	0.50	2.0
10/20/2025 11:30	Field Blank	Metals	Sodium	0.50 U	mg/L	0.50	2.0
10/20/2025 11:30	Field Blank	Metals	Chromium	0.40 U	µg/L	0.40	1.6
10/20/2025 11:30	Field Blank	Metals	Potassium	0.30 U	mg/L	0.30	1.2
10/20/2025 11:30	Field Blank	Metals	Copper	0.40 U	µg/L	0.40	0.80
10/20/2025 11:30	Field Blank	Metals	Magnesium	0.040 U	mg/L	0.040	0.16
10/20/2025 11:30	Field Blank	Metals	Iron	30 U	µg/L	30	120
10/20/2025 11:30	Field Blank	Metals	Zinc	5.0 U	µg/L	5.0	20
10/20/2025 11:30	Field Blank	Metals	Selenium	0.20 U	µg/L	0.20	0.80
10/20/2025 11:30	Field Blank	Metals	Aluminum	5.0 U	µg/L	5.0	20
10/20/2025 11:30	Field Blank	Nutrients	Fluoride	0.025 U	mg F/L	0.025	0.10
10/20/2025 11:30	Field Blank	Nutrients	Kjeldahl Nitrogen	0.080 U	mg N/L	0.080	0.20
10/20/2025 11:30	Field Blank	Nutrients	NO2NO3-N	0.003 U	mg N/L	0.0030	0.010
10/20/2025 11:30	Field Blank	Nutrients	O-Phosphate-P	0.004 U	mg P/L	0.0040	0.010
10/20/2025 11:30	Field Blank	Nutrients	Organic Carbon	0.50 U	mg C/L	0.50	1.0
10/20/2025 11:30	Field Blank	Nutrients	Ammonia-N	0.002 U	mg N/L	0.0020	0.0050
10/20/2025 11:30	Field Blank	Nutrients	Sulfate	0.20 U	mg SO4/L	0.20	0.50
10/20/2025 11:30	Field Blank	Nutrients	Color (true)	2.0 U	PCU	2.0	6.0
10/20/2025 11:30	Field Blank	Nutrients	Turbidity	0.10 U	NTU	0.10	1.0
10/20/2025 11:30	Field Blank	Nutrients	Total-P	0.002 U	mg P/L	0.0020	0.0050
10/20/2025 11:30	Field Blank	Nutrients	Total Alkalinity	0.65 U	mg CaCO3/L	0.65	2.5
10/20/2025 11:30	Field Blank	Nutrients	Chloride	0.20 U	mg Cl/L	0.20	0.50
10/20/2025 11:30	Field Blank	Overflow	Mercury	0.20 U	ng/L	0.20	0.50

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 11:30	Field Blank	Pesticides	Naproxen	0.0080 U	µg/L	0.0080	0.032
10/20/2025 11:30	Field Blank	Pesticides	Butylate	0.46 U	ng/L	0.46	2.3
10/20/2025 11:30	Field Blank	Pesticides	Coumaphos	1.1 U	ng/L	1.1	5.6
10/20/2025 11:30	Field Blank	Pesticides	Fipronil	0.20 UJ	ng/L	0.20	1.0
10/20/2025 11:30	Field Blank	Pesticides	Fipronil Sulfone	0.25 U	ng/L	0.25	1.3
10/20/2025 11:30	Field Blank	Pesticides	Fluazifop-P-butyl	0.10 UJ	ng/L	0.10	0.51
10/20/2025 11:30	Field Blank	Pesticides	Flutolanil	0.10 U	ng/L	0.10	0.51
10/20/2025 11:30	Field Blank	Pesticides	Fluxapyroxad	0.25 U	ng/L	0.25	1.3
10/20/2025 11:30	Field Blank	Pesticides	Metolachlor	0.76 U	ng/L	0.76	3.8
10/20/2025 11:30	Field Blank	Pesticides	Metribuzin	0.41 U	ng/L	0.41	2.0
10/20/2025 11:30	Field Blank	Pesticides	Propiconazole	0.61 U	ng/L	0.61	3.1
10/20/2025 11:30	Field Blank	Pesticides	Tebuconazole	1.4 U	ng/L	1.4	7.1
10/20/2025 11:30	Field Blank	Pesticides	Terbufos	0.20 U	ng/L	0.20	1.0
10/20/2025 11:30	Field Blank	Pesticides	Azoxystrobin	0.41 U	ng/L	0.41	2.0
10/20/2025 11:30	Field Blank	Pesticides	Caffeine	7.6 U	ng/L	7.6	38
10/20/2025 11:30	Field Blank	Pesticides	Parathion Ethyl	0.15 U	ng/L	0.15	0.76
10/20/2025 11:30	Field Blank	Pesticides	Prometryn	0.36 U	ng/L	0.36	1.8
10/20/2025 11:30	Field Blank	Pesticides	Propanil	0.10 U	ng/L	0.10	0.51
10/20/2025 11:30	Field Blank	Pesticides	Propargite	0.81 U	ng/L	0.81	4.1
10/20/2025 11:30	Field Blank	Pesticides	Acetochlor	0.20 U	ng/L	0.20	1.0
10/20/2025 11:30	Field Blank	Pesticides	Atrazine	0.20 U	ng/L	0.20	1.0
10/20/2025 11:30	Field Blank	Pesticides	Chlorpyrifos Ethyl	0.31 U	ng/L	0.31	1.5
10/20/2025 11:30	Field Blank	Pesticides	Cyprodinil	0.20 U	ng/L	0.20	1.0
10/20/2025 11:30	Field Blank	Pesticides	Cyanazine	5.1 U	ng/L	5.1	25
10/20/2025 11:30	Field Blank	Pesticides	Fenamiphos	0.46 U	ng/L	0.46	2.3
10/20/2025 11:30	Field Blank	Pesticides	Fipronil Desulfinyl	0.10 U	ng/L	0.10	0.51
10/20/2025 11:30	Field Blank	Pesticides	Mevinphos	1.0 U	ng/L	1.0	5.1
10/20/2025 11:30	Field Blank	Pesticides	Pendimethalin	1.7 U	ng/L	1.7	8.7
10/20/2025 11:30	Field Blank	Pesticides	Phenytoin	12 U	ng/L	12	61
10/20/2025 11:30	Field Blank	Pesticides	Prometon	3.1 U	ng/L	3.1	15
10/20/2025 11:30	Field Blank	Pesticides	Pyriproxyfen	0.25 U	ng/L	0.25	1.6
10/20/2025 11:30	Field Blank	Pesticides	Thiobencarb	0.51 U	ng/L	0.51	2.5
10/20/2025 11:30	Field Blank	Pesticides	Diazinon	0.13 U	ng/L	0.13	0.64
10/20/2025 11:30	Field Blank	Pesticides	Difenoconazole	0.61 U	ng/L	0.61	3.1

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 11:30	Field Blank	Pesticides	Etridiazole	0.10 U	ng/L	0.10	0.51
10/20/2025 11:30	Field Blank	Pesticides	Imazalil	0.66 U	ng/L	0.66	3.3
10/20/2025 11:30	Field Blank	Pesticides	Metalaxyl	0.51 U	ng/L	0.51	2.5
10/20/2025 11:30	Field Blank	Pesticides	Napropamide	0.71 U	ng/L	0.71	3.6
10/20/2025 11:30	Field Blank	Pesticides	Pyridaben	1.4 U	ng/L	1.4	7.1
10/20/2025 11:30	Field Blank	Pesticides	Triadimefon	0.15 U	ng/L	0.15	0.76
10/20/2025 11:30	Field Blank	Pesticides	Alachlor	0.41 U	ng/L	0.41	2.0
10/20/2025 11:30	Field Blank	Pesticides	Azinphos Methyl	3.1 U	ng/L	3.1	15
10/20/2025 11:30	Field Blank	Pesticides	Demeton	3.6 U	ng/L	3.6	18
10/20/2025 11:30	Field Blank	Pesticides	Fludioxonil	0.10 U	ng/L	0.10	0.51
10/20/2025 11:30	Field Blank	Pesticides	Loratadine	0.31 U	ng/L	0.31	1.5
10/20/2025 11:30	Field Blank	Pesticides	Molinate	0.25 U	ng/L	0.25	1.3
10/20/2025 11:30	Field Blank	Pesticides	Oxadiazon	0.36 U	ng/L	0.36	1.8
10/20/2025 11:30	Field Blank	Pesticides	Oxyfluorfen	0.20 U	ng/L	0.20	1.0
10/20/2025 11:30	Field Blank	Pesticides	Terbuthylazine	0.20 U	ng/L	0.20	1.0
10/20/2025 11:30	Field Blank	Pesticides	Carbophenothion	0.51 UJ	ng/L	0.51	2.5
10/20/2025 11:30	Field Blank	Pesticides	Carfentrazone Ethyl	0.15 U	ng/L	0.15	0.76
10/20/2025 11:30	Field Blank	Pesticides	Chlorfenapyr	0.31 U	ng/L	0.31	1.5
10/20/2025 11:30	Field Blank	Pesticides	Chlorpyrifos Methyl	0.10 U	ng/L	0.10	0.51
10/20/2025 11:30	Field Blank	Pesticides	Dimethomorph	3.1 U	ng/L	3.1	15
10/20/2025 11:30	Field Blank	Pesticides	Dithiopyr	2.0 UJ	ng/L	2.0	10
10/20/2025 11:30	Field Blank	Pesticides	Ethion	0.31 U	ng/L	0.31	1.5
10/20/2025 11:30	Field Blank	Pesticides	Iprodione	0.51 U	ng/L	0.51	2.5
10/20/2025 11:30	Field Blank	Pesticides	Myclobutanil	0.36 U	ng/L	0.36	1.8
10/20/2025 11:30	Field Blank	Pesticides	Naled	2.5 U	ng/L	2.5	13
10/20/2025 11:30	Field Blank	Pesticides	Prodiamine	0.51 U	ng/L	0.51	2.5
10/20/2025 11:30	Field Blank	Pesticides	Ibuprofen	0.080 U	µg/L	0.080	0.32
10/20/2025 11:30	Field Blank	Pesticides	Bromacil	0.61 U	ng/L	0.61	3.1
10/20/2025 11:30	Field Blank	Pesticides	Disulfoton	0.61 U	ng/L	0.61	3.1
10/20/2025 11:30	Field Blank	Pesticides	EPTC	0.51 U	ng/L	0.51	2.5
10/20/2025 11:30	Field Blank	Pesticides	Ethoprop	0.13 U	ng/L	0.13	0.64
10/20/2025 11:30	Field Blank	Pesticides	Fipronil Sulfide	0.10 U	ng/L	0.10	0.51
10/20/2025 11:30	Field Blank	Pesticides	Flumioxazin	3.1 UJ	ng/L	3.1	15
10/20/2025 11:30	Field Blank	Pesticides	Malathion	0.36 U	ng/L	0.36	1.8

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 11:30	Field Blank	Pesticides	Norflurazon	1.0 U	ng/L	1.0	5.1
10/20/2025 11:30	Field Blank	Pesticides	Parathion Methyl	0.20 U	ng/L	0.20	1.0
10/20/2025 11:30	Field Blank	Pesticides	Phorate	0.25 U	ng/L	0.25	1.3
10/20/2025 11:30	Field Blank	Pesticides	Simazine	0.25 U	ng/L	0.25	1.3
10/20/2025 11:30	Field Blank	Pesticides	Sulfentrazone	1.4 UJ	ng/L	1.4	7.1
10/20/2025 11:30	Field Blank	Pesticides	Ametryn	2.5 U	ng/L	2.5	13
10/20/2025 11:30	Field Blank	Pesticides	Atrazine Desethyl	1.3 U	ng/L	1.3	6.6
10/20/2025 11:30	Field Blank	Pesticides	Dimethenamid	0.10 U	ng/L	0.10	0.51
10/20/2025 11:30	Field Blank	Pesticides	Fenbuconazole	0.51 U	ng/L	0.51	2.5
10/20/2025 11:30	Field Blank	Pesticides	Fonofos	0.15 U	ng/L	0.15	0.76
10/20/2025 11:30	Field Blank	Pesticides	Hexazinone	0.51 U	ng/L	0.51	2.5
10/20/2025 11:30	Field Blank	Pesticides	Pronamide	0.10 U	ng/L	0.10	0.51
10/20/2025 11:30	Field Blank	Pesticides	Pyraflufen Ethyl	0.31 U	ng/L	0.31	1.5
10/20/2025 11:30	Field Blank	Pesticides	Stirophos	0.41 UJ	ng/L	0.41	3.3
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2,3,5-Trimethylnaphthalene	0.082 U	µg/L	0.082	0.33
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2,4-Dichlorophenol	0.10 U	µg/L	0.10	0.41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2,6-Dinitrotoluene	0.10 U	µg/L	0.10	0.41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	3-Methylcholanthrene	0.62 U	µg/L	0.62	2.5
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.31 U	µg/L	0.31	1.2
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Acenaphthylene	0.082 U	µg/L	0.082	0.33
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Bis(2-ethylhexyl)adipate	0.62 U	µg/L	0.62	2.5
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Fluorene	0.082 U	µg/L	0.082	0.33
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.51 U	µg/L	0.51	2.1
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Isophorone	0.10 U	µg/L	0.10	0.41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	m,p-Cresols	0.26 U	µg/L	0.26	1.0
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Pentachloronitrobenzene	0.10 U	µg/L	0.10	0.41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Phenanthrene	0.072 U	µg/L	0.072	0.29
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	1,4-Dioxane	0.040 UY	µg/L	0.040	0.20
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	1-Methylnaphthalene	0.15 U	µg/L	0.15	0.62
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	1,2,4,5-Tetrachlorobenzene	0.072 U	µg/L	0.072	0.29
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.51 U	µg/L	0.51	2.1
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.072 U	µg/L	0.072	0.29
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.082 U	µg/L	0.082	0.33
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	7,12-Dimethylbenz(a)anthracene	0.051 U	µg/L	0.051	0.21

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Aniline	1.2 UJ	µg/L	1.2	4.9
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Benzo(a)pyrene	0.082 U	µg/L	0.082	0.33
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Carbazole	0.10 U	µg/L	0.10	0.41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Chrysene	0.082 U	µg/L	0.082	0.33
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Di-n-butyl phthalate	3.1 U	µg/L	3.1	12
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Diethyl phthalate	1.5 U	µg/L	1.5	6.2
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Dimethyl phthalate	0.31 U	µg/L	0.31	1.2
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Fluoranthene	0.10 U	µg/L	0.10	0.41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	N-Nitrosodimethylamine	2.6 U	µg/L	2.6	10
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	N-Nitrosopyrrolidine	0.72 U	µg/L	0.72	2.9
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Nitrobenzene	0.10 U	µg/L	0.10	0.41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	o-Toluidine	0.41 UJ	µg/L	0.41	1.6
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Pentachlorobenzene	0.062 U	µg/L	0.062	0.25
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	1,3-Dinitrobenzene	0.51 U	µg/L	0.51	2.1
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2-Methylnaphthalene	0.15 U	µg/L	0.15	0.62
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2-Nitroaniline	0.31 U	µg/L	0.31	1.2
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2,6-Dimethylnaphthalene	0.082 U	µg/L	0.082	0.33
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Acetophenone	0.10 U	µg/L	0.10	0.41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Butyl benzyl phthalate	0.51 U	µg/L	0.51	2.1
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Di-n-octyl phthalate	1.0 U	µg/L	1.0	4.1
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Dibenzothiophene	0.072 U	µg/L	0.072	0.29
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.21 U	µg/L	0.21	0.82
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Isosafrole	0.10 U	µg/L	0.10	0.41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	N-Nitrosodi-n-butylamine	0.51 U	µg/L	0.51	2.1
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	N-Nitrosomorpholine	0.082 U	µg/L	0.082	0.33
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Naphthalene	0.10 U	µg/L	0.10	0.41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Phenol	0.21 U	µg/L	0.21	0.82
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2,4,5-Trichlorophenol	0.21 U	µg/L	0.21	0.82
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2,6-Dichlorophenol	0.10 U	µg/L	0.10	0.41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Acenaphthene	0.082 U	µg/L	0.082	0.33
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Anthracene	0.062 U	µg/L	0.062	0.25
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Benzo(a)anthracene	0.10 U	µg/L	0.10	0.41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.21 U	µg/L	0.21	0.82
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Benzo(k)fluoranthene	0.072 U	µg/L	0.072	0.29

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.21 U	µg/L	0.21	0.82
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.082 U	µg/L	0.082	0.33
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Hexachloroethane	0.10 U	µg/L	0.10	0.41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Pyridine	4.1 U	µg/L	4.1	16
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Safrole	0.082 U	µg/L	0.082	0.33
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2-Nitrophenol	0.10 U	µg/L	0.10	0.41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2,4-Dinitrotoluene	0.15 U	µg/L	0.15	0.62
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	3,3'-Dichlorobenzidine	4.1 U	µg/L	4.1	16
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Benzo(b)fluoranthene	0.15 U	µg/L	0.15	0.62
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	2.1 U	µg/L	2.1	8.2
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.51 U	µg/L	0.51	2.1
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Dibenzofuran	0.082 U	µg/L	0.082	0.33
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Dimethylaminoazobenzene	0.41 U	µg/L	0.41	1.6
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Hexachloropropene	0.082 U	µg/L	0.082	0.33
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.12 U	µg/L	0.12	0.49
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	N-Nitrosodiethylamine	0.41 U	µg/L	0.41	1.6
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	N-Nitrosodiphenylamine/ Diphenylamine	0.082 U	µg/L	0.082	0.33
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Benzyl alcohol	0.31 U	µg/L	0.31	1.2
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.10 U	µg/L	0.10	0.41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	1,3,5-Trinitrobenzene	0.51 U	µg/L	0.51	2.1
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Ethyl methanesulfonate	2.6 U	µg/L	2.6	10
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Hexachlorobenzene	0.062 U	µg/L	0.062	0.25
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	N-Nitrosomethylethylamine	2.1 U	µg/L	2.1	8.2
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Pyrene	0.10 U	µg/L	0.10	0.41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2,4-Dinitrophenol	10 UJ	µg/L	10	41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	4-Nitrophenol	5.1 U	µg/L	5.1	21
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Biphenyl	0.082 U	µg/L	0.082	0.33
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Pentachloroethane	0.15 U	µg/L	0.15	0.62
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Pentachlorophenol	2.1 U	µg/L	2.1	8.2
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2-Acetylaminofluorene	0.82 U	µg/L	0.82	3.3
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2-Chloronaphthalene	0.082 U	µg/L	0.082	0.33
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2-Chlorophenol	0.10 U	µg/L	0.10	0.41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.1 U	µg/L	3.1	12
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2-Picoline	0.62 U	µg/L	0.62	2.5

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2,4-Dimethylphenol	4.1 UJ	µg/L	4.1	16
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Azobenzene/1,2-Diphenylhydrazine	0.062 U	µg/L	0.062	0.25
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Benzidine	10 U	µg/L	10	41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.082 U	µg/L	0.082	0.33
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	Hexachlorobutadiene	0.072 U	µg/L	0.072	0.29
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	N-Nitrosopiperidine	0.072 U	µg/L	0.072	0.29
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	o-Cresol	0.21 U	µg/L	0.21	0.82
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	1-Methylphenanthrene	0.10 U	µg/L	0.10	0.41
10/20/2025 11:30	Field Blank	Priority Organic Pollutants	2,3,4,6-Tetrachlorophenol	0.21 U	µg/L	0.21	0.82