2675 Winkler Ave #180 Fort Myers, Florida 33901 www.ghd.com



Our ref: 11225022-03

May 2, 2022

Mr. Bruce Bernard **Manager of Field Operations** Calvin, Giordano & Associates, Inc. 1800 Eller Drive, Suite 600 Fort Lauderdale, FL 33316

Water Quality Monitoring - March 2022 - Flow Way CDD

Dear Mr. Bernard:

GHD Services Inc. (GHD) is pleased to present the results of our water quality sampling services for the Flow Way and Lakes 7, 9, 12 and 18/19 - Flow Way CDD at Esplanade Golf and Country Club.

1. Water Quality Sampling – March 2022

The March 2022 sampling event consisted of the collection of five (5) surface water samples at five (5) sample locations (FW - Flow Way, FW - Lake 9, FW - Lake 7, FW - Lake 12, and FW - Lake 18/19) within the Esplanade Golf and Country Club as identified on Figure 1.

Samples were collected using direct-dip sampling methods. All samples were collected at a depth of 18 inches from the banks of the Lakes/Flow Way. See Figure 1 for sampling locations.

Conductivity, dissolved oxygen, pH, and temperature were measured in the field with a calibrated YSI Model 556 multi-parameter water quality meter. Turbidity was also measured at each location. Surface Water Field Sheets are attached. Field data is summarized in the Table within the Laboratory Data Compliance Memo.

The collected samples are capped, labeled, packed on ice, and transported to Benchmark EnviroAnalytical, Inc., in North Port, Florida. Benchmark EnviroAnalytical, Inc. is certified by the State of Florida and NELAP (National Environmental Laboratory Accreditation Conference). Laboratory analyses are conducted for 5-Day Biochemical Oxygen Demand (BOD5), Total Suspended Solids (TSS), Total Nitrogen, nitrogen speciation (ammonia, TKN, and nitrate + nitrite), Total Phosphorus, Ortho Phosphorus (Field Filtered) and Chlorophyll-a.

All samples collected during the March 2022 sampling event were prepared and analyzed within the method required holding times. The laboratory data has been reviewed with respect to authenticity, precision, limits of detection, and accuracy of the data. The laboratory analytical results are summarized in the attached Table within the Laboratory Data Compliance Memo. The laboratory report is also attached. Trend graphs have been prepared for each monitor location for laboratory analytical results and select field measurements.

2. Analytical Summary

The March 2022 sampling event represents the first sampling event for the select five (5) WQ Locations for Flow Way. It is best to observe true trends after a minimum of three sampling events. Laboratory results are summarized in the **Laboratory Data Compliance Memo** and are displayed visually in the trend graphs, enclosed.

Ammonia and nitrite/nitrate were undetected at all sampling locations for the March 2022 sampling event.

3. Conclusions and Recommendations

The next tri-annual sampling event is planned for June 2022. There do not appear to be water quality concerns at this time. Please call if you have questions or need additional information.

Sincerely,

GHD

Jessica Walsh Engineering Intern Lori Coolidge, P.G. Geologist

Encl: Laboratory Data Compliance Memo

Figure

Jessica Walon

Trend Graphs

Laboratory Analytical Reports

Surface Water Field Sheets





Technical Memorandum

April 18, 2022

То	Mr. Bruce Bernard Manger of Field Operations Calvin, Giordano & Associates, Inc. 1800 Eller Drive, Suite 600 Fort Lauderdale, FL 33316	Tel	716.205-1977
Copy to	Connor Haydon	Email	Connor.Haydon@ghd.com
From	Sheri Finn/ro/12-NF	Ref. No.	11225022
Subject	Analytical Results Compliance Report Surface Water Quality Monitoring Flow Way CDD Fort Myers, Florida March 2022		

1. Compliance Review

Dhi L. L.

Samples were collected in March 2022 in support of the Flow Way CDD sampling. The analytical results are summarized in Table 1. All samples were prepared and analyzed within the method required holding times. The method blank results were non-detect. All reported laboratory control sample (LCS) analyses demonstrated acceptable accuracy. Laboratory duplicate analyses were performed for some analytes. All results were acceptable, indicating good analytical precision. The matrix spike (MS) results were evaluated per the laboratory limits. The MS analyses performed were acceptable, demonstrating good analytical accuracy.

Based on this compliance review, the results in Table 1 are acceptable for use.

Regards

Sheri Finn Analyst Table 1 Page 1 of 1

Analytical Results Summary Surface Water Quality Monitoring Flow Way CDD Fort Myers, Florida March 2022

Sample Location/Sample ID):	FW-Flow Way	FW-Lake 12	FW-Lake 18/19
Sample Date:		3/9/2022	3/9/2022	3/9/2022
Field Parameters	Units			
Total Water Depth	Feet	NM	NM	NM
Sample Depth	Feet	1.5	1.5	1.5
Conductivity, field	umhos/cm	486	477.2	416.1
Dissolved oxygen (DO), field	mg/L	5.13	6.22	5.51
Dissolved oxygen (DO), field	%	62.3	76.1	66.8
pH, field	s.u.	8.54	8.41	8.79
Temperature, field	Deg C	25.3	25.7	25.7
Turbidity, field	NTU	3.38	4.07	3.02
Secchi Disk	Depth			
Wet Parameters	Units			
Ammonia-N	mg/L	0.008 U	0.008 U	0.008 U
TAN criteria calculation	mg/L	NM	NM	NM
Total kjeldahl nitrogen (TKN)	mg/L	2.08	1.35	2.13
Total nitrogen	mg/L	2.08	1.35	2.13
Nitrite/Nitrate	mg/L	0.006 U	0.006 U	0.006 U
Ortho phosphorus (Field Filtered)	mg/L	0.004 I	0.022	0.014
Total phosphorus	mg/L	0.024 I	0.026 I	0.027 l
Chlorophyll	mg/m3	4.73	7.87	5.80
Total suspended solids (TSS)	mg/L	6.33	3.33	3.67
Biochemical oxygen demand (total BOD5)	mg/L	1 U	1.39 l	1.22

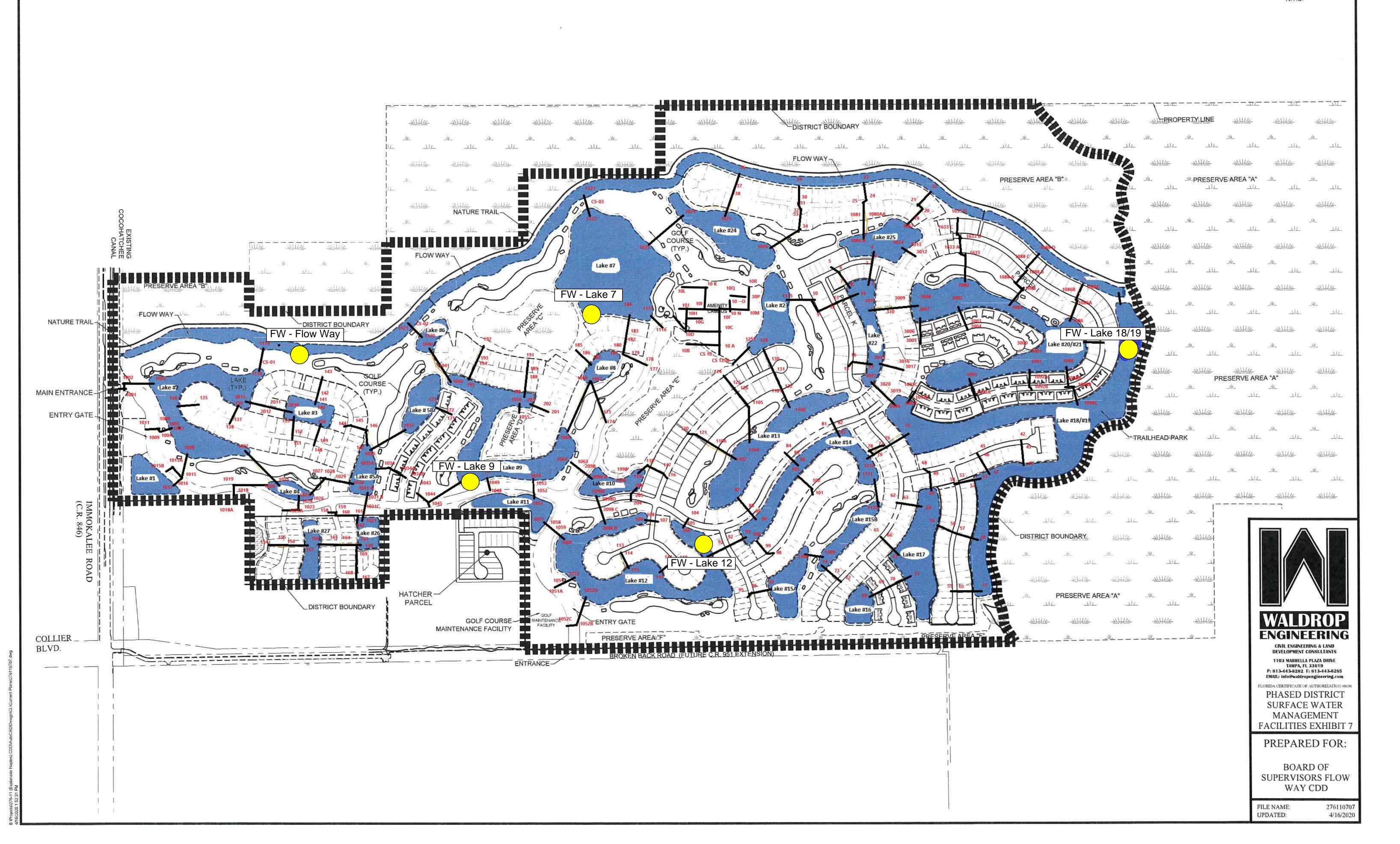
Sample Location/Sample ID:		FW-Lake 7	FW-Lake 9
Sample Date:		3/9/2022	3/9/2022
Field Parameters	Units		
Total Water Depth	Feet	NM	NM
Sample Depth	Feet	1.5	1.5
Conductivity, field	umhos/cm	386	459
Dissolved oxygen (DO), field	mg/L	6.81	5.13
Dissolved oxygen (DO), field	%	82.5	61.7
pH, field	s.u.	8.82	8.51
Temperature, field	Deg C	25.2	24.9
Turbidity, field	NTU	1.98	3.57
Secchi Disk	Depth		
Wet Parameters	Units		
Ammonia-N	mg/L	0.008 U	0.008 U
TAN criteria calculation	mg/L	NM	NM
Total kjeldahl nitrogen (TKN)	mg/L	1.31	1.36
Total nitrogen	mg/L	1.31	1.36
Nitrite/Nitrate	mg/L	0.006 U	0.006 U
Ortho phosphorus (Field Filtered)	mg/L	0.006 I	0.021
Total phosphorus	mg/L	0.025 I	0.024 I
Chlorophyll	mg/m3	3.27	5.45
Total suspended solids (TSS)	mg/L	0.667 I	1.67 I
Biochemical oxygen demand (total BOD5)	mg/L	1.06 l	1.08 l

Notes:

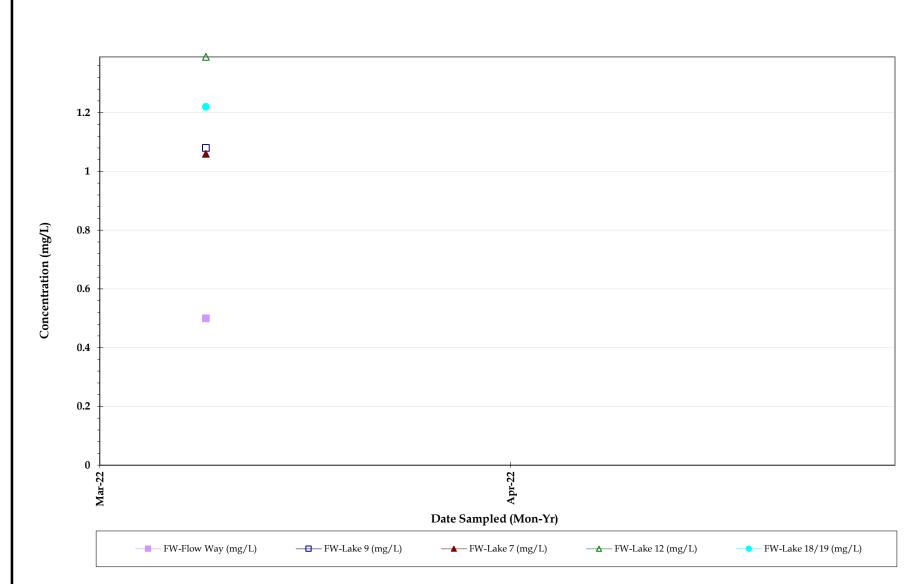
- U Not detected at the associated reporting limit
- I Reported value is between method detection limit and the practical quantitation limit
- NS Not sampled during noted event
- * DO values at or above 100% are possible super-saturation conditions due to high water temperatures and/or high volume of algae NM Not Measured

Figure



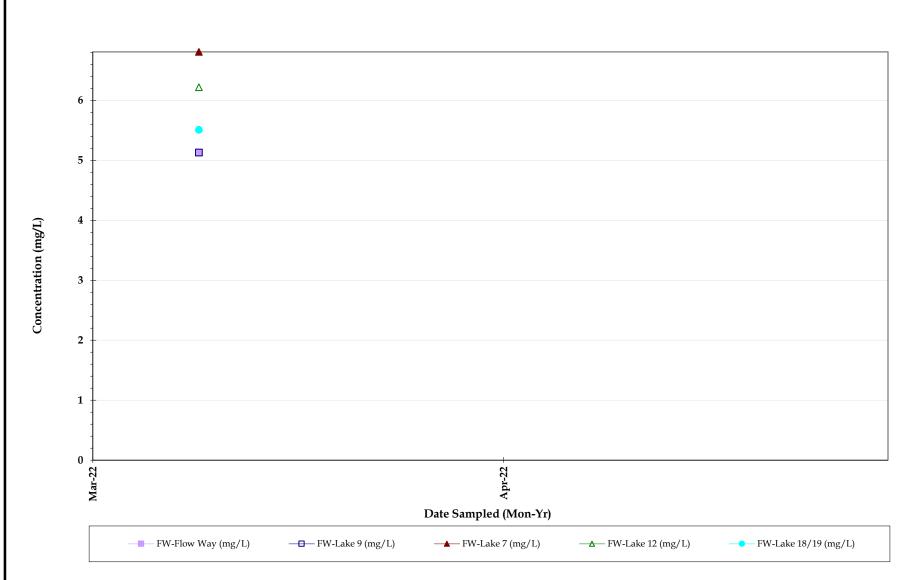


Trend Graphs 11225022-03| Water Quality Sampling Report March 2022| Ft Myers, FL



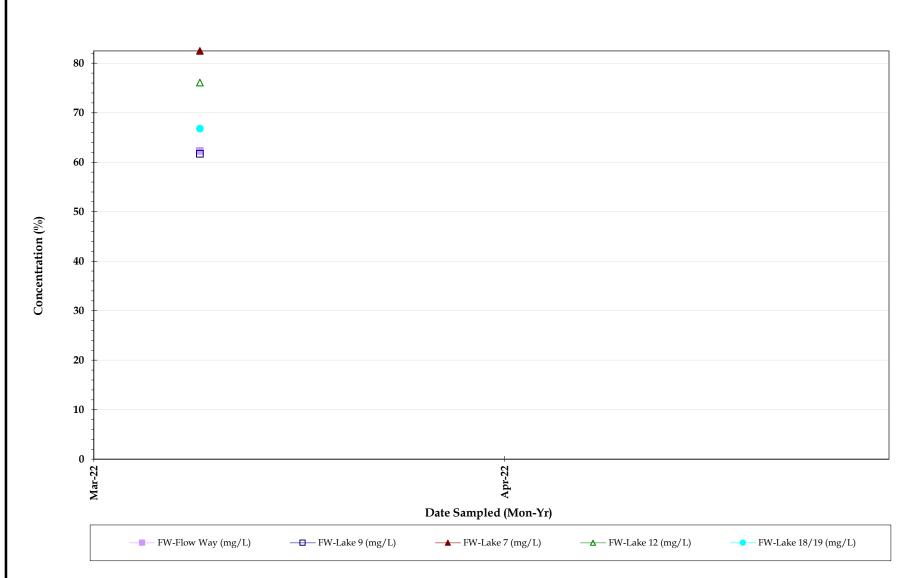


Biochemical Oxygen Demand



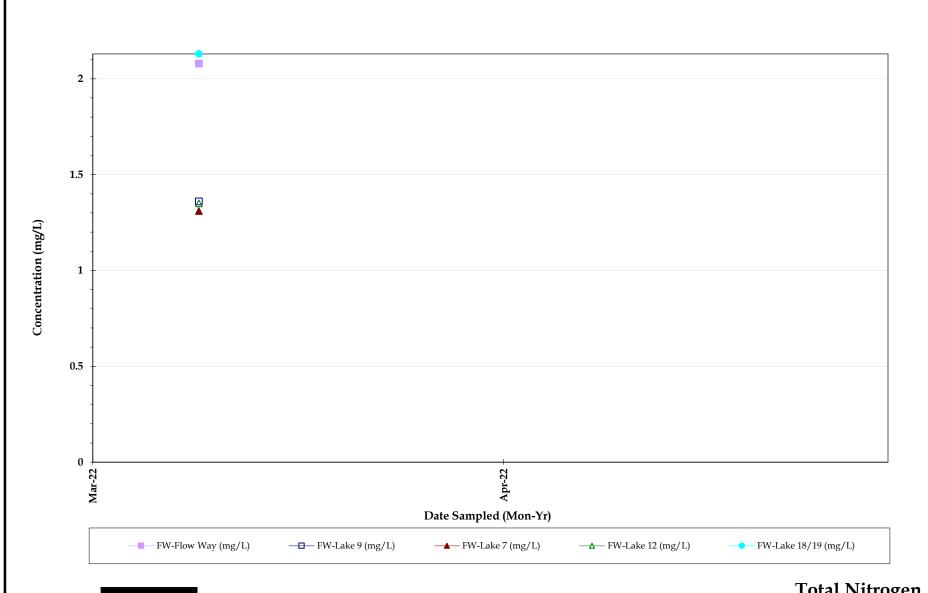


Dissolved Oxygen (mg/L)



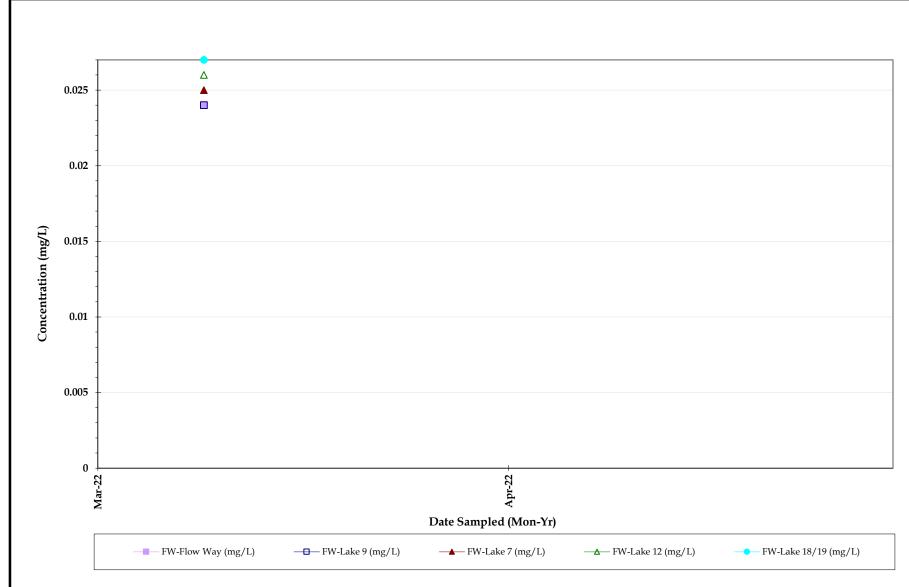


Dissolved Oxygen (%)



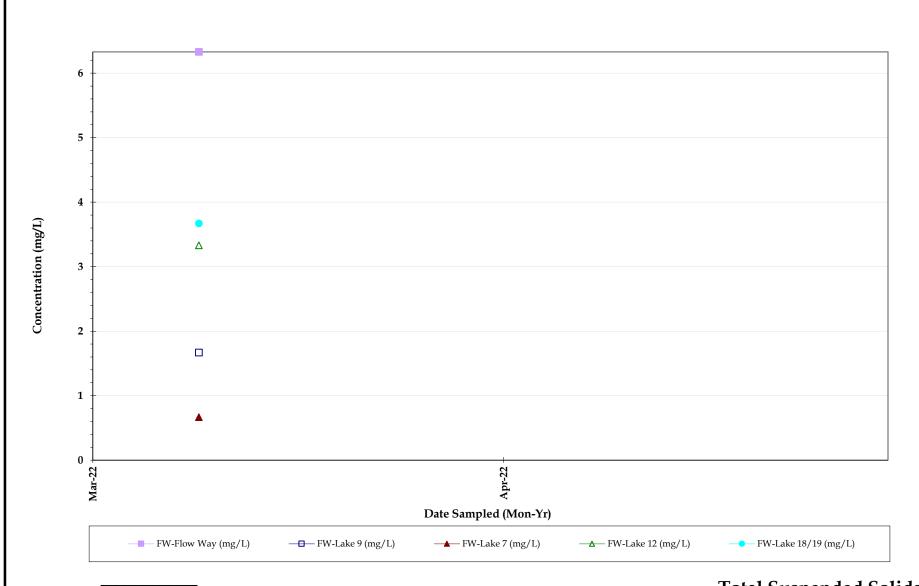


Total Nitrogen



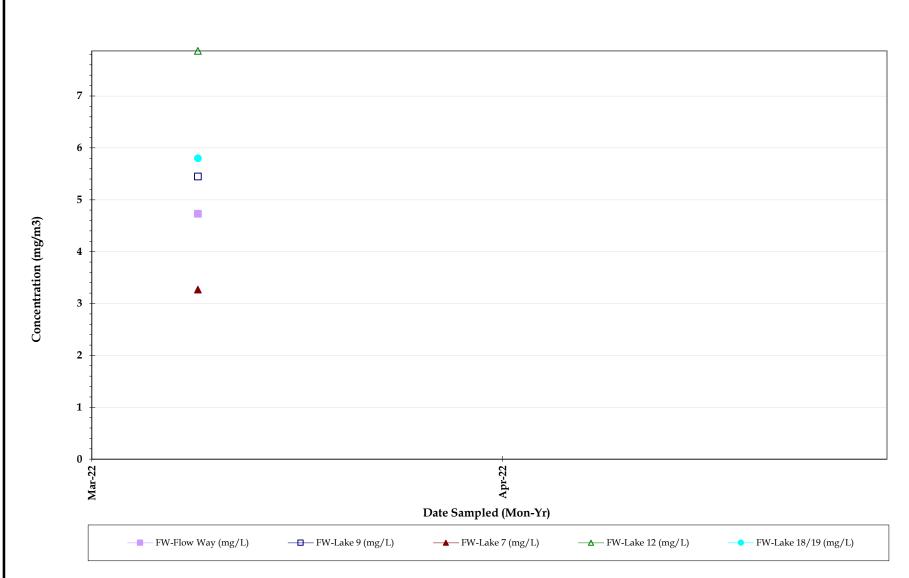


Total Phosphorus



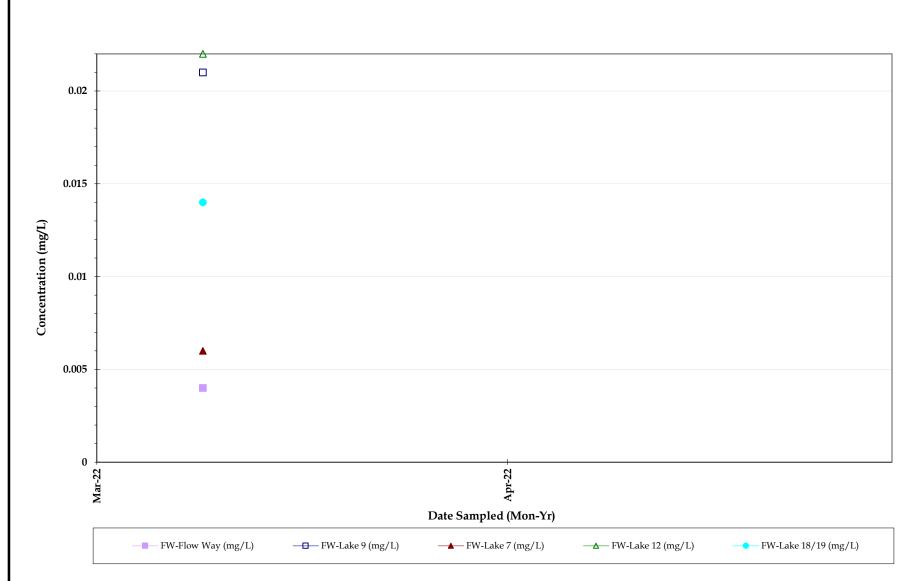


Total Suspended Solids



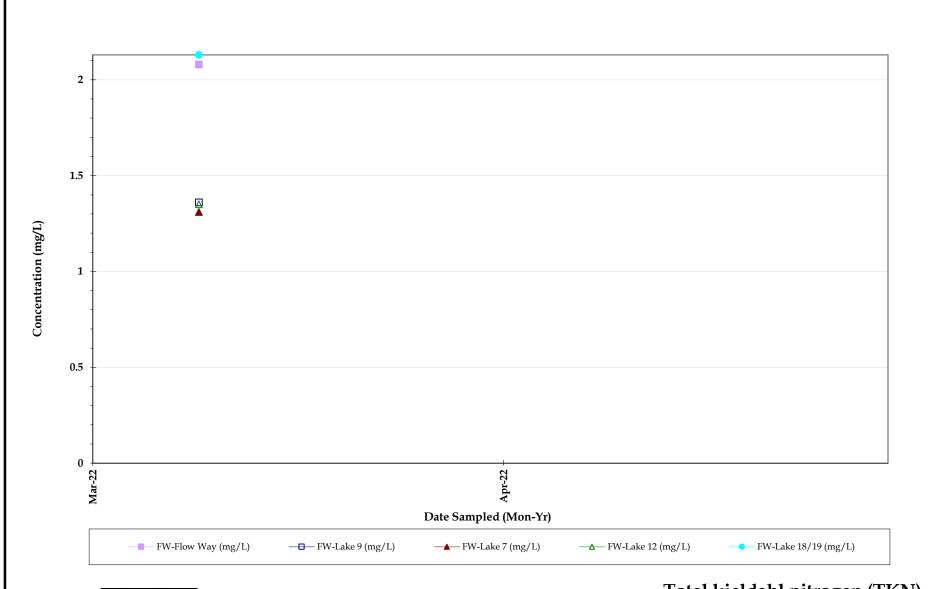


Chlorophyll a



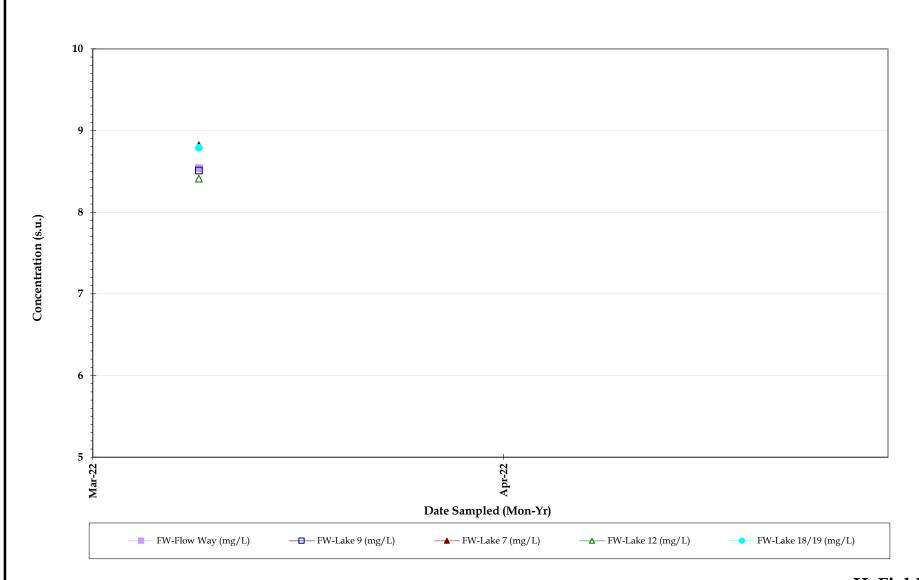


Or tho phosphate



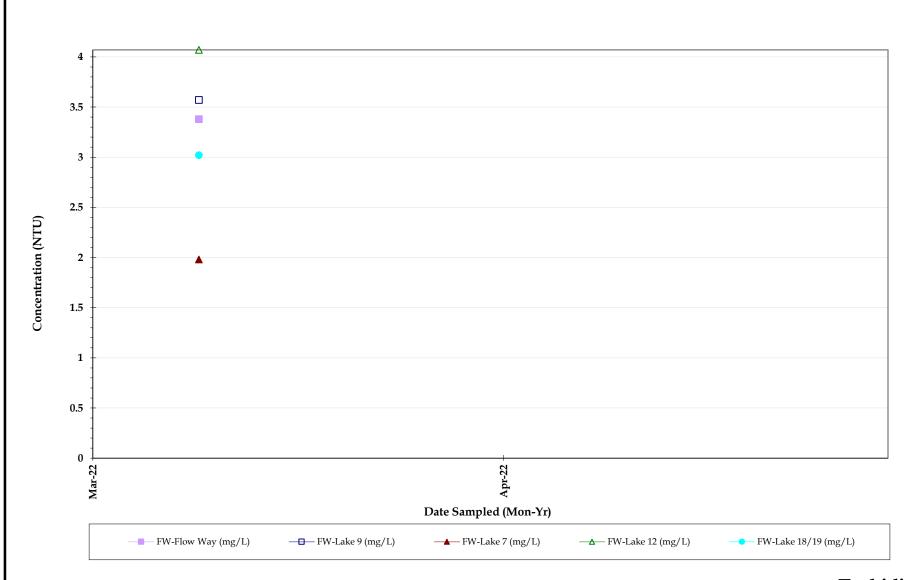


Total kjeldahl nitrogen (TKN)



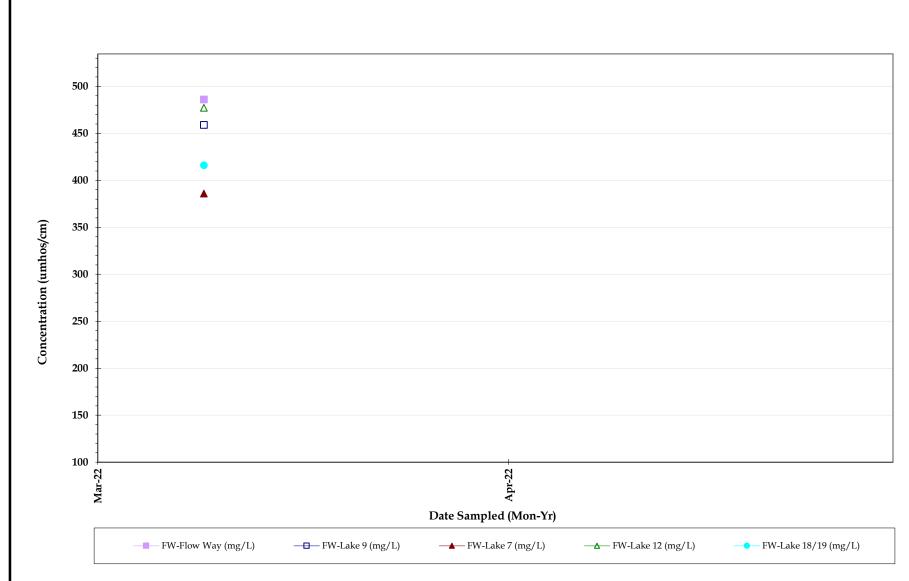






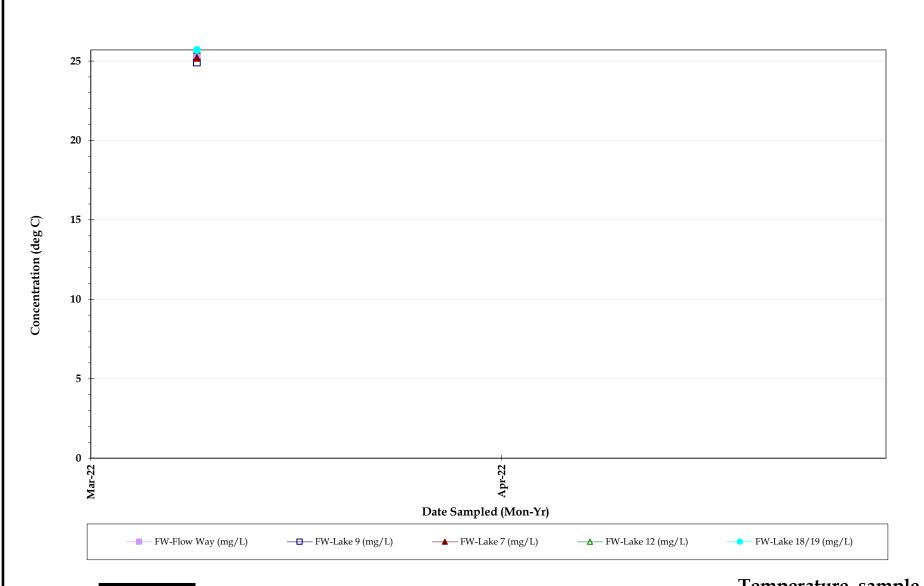


Turbidity





Conductivity



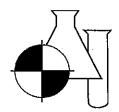


Temperature, sample



BENCHMARK

EnviroAnalytical Inc.



NELAC Certification #E84167

ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

Submission Number:

22030621

G H D Services, Inc. 2675 Winkler Ave., Ste.180 Fort Myers, FL 33901 Project Name: FLOW WAY CDD WQM

Date Received: 03/10/2022

Time Received: 1453

Submission Number:

Sample Number:

22030621

001

Sample Description:

WQ Location #1

Sample Date:

03/09/2022

Sample Time:

0850

Sample Method:

Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.008 U	MG/L	0.008	0.032	350,1	03/14/2022 13:01	cw
TOTAL KJELDAHL NITROGEN	2.08	MG/L	0.05	0.20	351.2	03/14/2022 14:31	HR
ORTHO PHOSPHORUS AS P	0.004 l	MG/L	0.002	800,0	365,3	03/10/2022 17:24	KA
TOTAL PHOSPHORUS AS P	0.024 I	MG/L	0.008	0.032	365,3	03/16/2022 15:46	KA
CHLOROPHYLL A	4.73	MG/M3	0.25	1.00	445.0	03/11/2022 10:00	PP
TOTAL SUSPENDED SOLIDS	6,33	MG/L	0.570	2,280	SM2540D	03/11/2022 10:38	TG
BIOCHEMICAL OXYGEN DEMAND	1 U	MG/L	1	4	SM5210B	03/10/2022 16:00	LD/LD
NITRATE+NITRITE AS N	0.006 U	MG/L	0.008	0.024	SYSTEA EASY	03/11/2022 14:47	cw
TOTAL NITROGEN	2.08	MG/L	0.05	0,20	SYSTEA+351	03/14/2022 14:31	HR/CW

Submission Number:

22030621

Sample Number:

002

Sample Description:

WQ Location #2

Sample Date:

03/09/2022

Sample Time:

0905

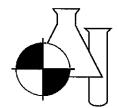
Sample Method:

Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time		Analyst
AMMONIA NITROGEN	0.008 U	MG/L	0.008	0.032	350.1	03/14/2022	13:03	cw
TOTAL KJELDAHL NITROGEN	1.36	MG/L	0.05	0,20	351.2	03/14/2022	14:32	HR
ORTHO PHOSPHORUS AS P	0.021	MG/L	0.002	800.0	365.3	03/10/2022	17:25	KA
TOTAL PHOSPHORUS AS P	0.0241	MG/L	800.0	0.032	365.3	03/16/2022	15:47	KA
CHLOROPHYLL A	5.45	MG/M3	0.25	1.00	445.0	03/11/2022	10:00	PP
TOTAL SUSPENDED SOLIDS	1.67 I	MG/L	0.570	2,280	SM2540D	03/11/2022	10:38	TG
BIOCHEMICAL OXYGEN DEMAND	1.08 I	MG/L	1	4	SM5210B	03/10/2022	16:00	LD/LD
NITRATE+NITRITE AS N	U 300,0	MG/L	0.006	0.024	SYSTEA EASY	03/11/2022	14:48	CW
TOTAL NITROGEN	1.36	MG/L	0.05	0.20	SYSTEA+351	03/14/2022	14:32	HR/CW

BENCHMARK

EnviroAnalytical Inc.



NELAC Certification #E84167

Submission Number:

22030621

Sample Number:

003

Sample Description:

003

WQ Location #3

Sample Date:

03/09/2022

Sample Time:

0925

Sample Method:

Grab

Parameter	Result	Units	MDL.	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	U 800,0	MG/L	0.008	0,032	350.1	03/14/2022 13	04 CW
TOTAL KJELDAHL NITROGEN	1.31	MG/L	0.05	0.20	351.2	03/14/2022 14	33 HR
ORTHO PHOSPHORUS AS P	0.006	MG/L	0.002	0,008	365.3	03/10/2022 17	27 KA
TOTAL PHOSPHORUS AS P	0.025	MG/L	0.008	0,032	365.3	03/16/2022 15	48 KA
CHLOROPHYLL A	3,27	MG/M3	0.25	1.00	445.0	03/11/2022 10	00 PP
TOTAL SUSPENDED SOLIDS	0,667	MG/L	0.570	2.280	SM2540D	03/11/2022 10	38 TG
BIOCHEMICAL OXYGEN DEMAND	1.06 1	MG/L	1	4	SM5210B	03/10/2022 16	00 LD/LD
NITRATE+NITRITE AS N	0.006 U	MG/L	0.008	0.024	SYSTEA EASY	03/11/2022 14	49 CW
OTAL NITROGEN	,1.31	MG/L	0.05	0.20	SYSTEA+351	03/14/2022 14	33 HR/CW

Submission Number:

22030621

Sample Number:

004

Sample Description:

WQ Location #4

Sample Date:

03/09/2022

Sample Time:

0945

Sample Method:

Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time		Analyst
AMMONIA NITROGEN	ປ 800,0	MG/L	0.008	0,032	350.1	03/14/2022 13	3:06	CW
TOTAL KJELDAHL NITROGEN	1,35	MG/L	0.05	0,20	351.2	03/14/2022 14	4:35	HR
ORTHO PHOSPHORUS AS P	0,022	MG/L	0.002	0,008	365.3	03/10/2022 17	7:28	KA
TOTAL PHOSPHORUS AS P	0,026	MG/L	0.008	0,032	365.3	03/16/2022 15	5:49	KA
CHLOROPHYLL A	7.87	MG/M3	0.25	1.00	445.0	03/11/2022 10	0:00	PP
TOTAL SUSPENDED SOLIDS	3,33	MG/L	0.570	2,280	SM2540D	03/11/2022 10	0:38	TG
BIOCHEMICAL OXYGEN DEMAND	1.39	MG/L	1	4	SM5210B	03/10/2022 16	6:00	LD/LD
NITRATE+NITRITE AS N	0.006 U	MG/L	0.006	0.024	SYSTEA EASY	03/11/2022 14	4:49	cw
TOTAL NITROGEN	1.35	MG/L	0.05	0.20	SYSTEA+351	03/14/2022 14	4:35	HR/CW

Submission Number:

22030621

Sample Number:

005

Sample Description:

,,,,

WQ Location #5

Sample Date: Sample Time: 03/09/2022

Sample Method:

1000 Grab

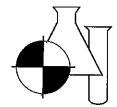
Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.008 U	MG/L	0.008	0.032	350.1	03/14/2022 13:08	cw
TOTAL KJELDAHL NITROGEN	2.13	MG/L	0.05	0.20	351,2	03/14/2022 14:36	HR
ORTHO PHOSPHORUS AS P	0.014	MG/L	0.002	0.008	365,3	03/10/2022 17:29	KA
TOTAL PHOSPHORUS AS P	0.027	MG/L	0.008	0.032	365.3	03/16/2022 15:50	KA
CHLOROPHYLL A	5.80	MG/M3	0.25	1.00	445.0	03/11/2022 10:00	PP

BENCHMARK

EnviroAnalytical Inc.

03/21/2022

Date



NELAC Certification #E84167

TOTAL SUSPENDED SOLIDS	3.67	MG/L	0.570	2.280	SM2540D	03/11/2022 10:38	TG
BIOCHEMICAL OXYGEN DEMAND	1.22	MG/L	1	4	SM5210B	03/10/2022 16:00	LD/LD
NITRATE+NITRITE AS N	0.006 U	MG/L	0.006	0,024	SYSTEA EASY	03/11/2022 14:50	cw
TOTAL NITROGEN	2.13	MG/L	0.05	0.20	SYSTEA+351	03/14/2022 14:36	HR/CW

Dale D. Dixon / Laboratory

Tülay Tanrisever - Technical Director/QC Officer

Kara Peterson - QA Officer

DATA QUALIFIERS THAT MAY APPLY:

A = Value reported is an average of two or more determinations.

B = Results based upon colony counts outside the ideal range.

H = Value based on field kit determination. Results may not be accurate.

I = Reported value is between the laboratory MDL and the PQL.

J1 = Estimated value, Surrogate recovery limits exceeded.

J2 = Estimated value. No quality control criteria exists for component,

J3 = Estimated value. Quality control criteria for precision or accuracy not met. J4 = Estimated value. Sample matrix interference suspected.

J5 = Estimated value. Data questionable due to improper lab or field protocols.

K = Off-scale low. Value is known to be < the value reported.

L = Off-scale high. Value is known to be > the value reported.

N = Presumptive evidence of presence of material, O = Sampled, but analysis lost or not performed.

Q = Sample held beyond accepted hold time.

NOTES:

MBAS calculated as LAS; molecular weight = 340.

PQL = 4xMDL

ND = Not detected at or above the adjusted reporting limit.

G1 = Accuracy standard does not meet method control limits, but does meet lab control limits that are in agreement with USEPA generated data, USEPA letter available upon request. G2 = Accuracy standard exceeds acceptable control limits. Duplicate and spike values are within control limits. Reported data are usable.

For questions or comments regarding these results, please contact us at (941) 723-9986. Results relate only to the samples.

- T = Value reported is < MDL. Reported for informational purposes only and shall not be used in statistical analysis.
- U = Analyte analyzed but not detected at the value indicated.
- V = Analyte detected in sample and method blank, Results for this analyte in associated samples may be biased high. Standard, Duplicate and Spike values are within control limits. Reported data are usable.
- Y = Analysis performed on an improperly preserved sample. Data may be inaccurate.
- Z = Too many colonies were present (TNTC). The numeric value represents the filtration volume.
- Package of the p the presence or absence of the analyte cannot be determined from the data.
- * = Not reported due to interference,
- Oil & Grease If client does not send sufficient sample quantity for spike evaluation surface water samples are supplied by the laboratory.

COMMENTS:

Chlorophyll A lab filtered at E85086 03/10/2022 at 0828.

Benchmark EA South

1001 Corporate Avenue, Suite 102 North Port, FL 34289 (941) 625-3137 / (800) 736-9986 (941) 423-7336 fax Sample Temperature checked upon receipt at

BEAS with Temperature Gun ID #7

Benchmark EA, Inc.

1711 12th St. East

Palmetto, FL 34221 (941) 723-9986 / (800) 736-9986 (941) 723-6061-fax Sample Temperature checked upon receipt at

BEA with Temperature Gun ID #258

Client:

GHD Services, Inc. (HSA ENG)

Kit Shipped to client via UPS Standard in 1 large cooler

2675 Winkler Ave. Suite 180 Ft. Myers Fl 33901

Erik Isern (239) 215-3914 Shannon Tucker 239-210-8653

Email EDD Reports to: Andrew Wyatt (Andrew Wyatt@ghd.com) & Connor Haydon (Connor Haydon@ghd.com)

2020 PO# 34043123

Chain of Custody Form: I	Flow Way	CDD	WQM
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Project Number: 11225022-03		Profile: 840,	QC Report

Laboratory Submission #:

2202762

oject rumber. 11225022 05		Trome: 0 to, QO Report			2070021			
Station	Sample	Sample		Parameters, Preservativ	ve ⁴ , Container Type ³ / Tot	al # of Containers = 25	•	Laboratory
ID	Type ¹	Matrix ²	Unique bottle ID 1A	Unique bottle ID 1B	Unique bottle ID 1C	Unique bottle ID 1D	Unique bottle ID 1E	Submission #
			NO ₃ -NO ₂ (353.2) TKN (351.2) NH ₃ (350.1) TP (365.3) T-N (Calc.)	BOD5 (SM5210B)	Ortho-Phos (Lab Filtered)	TSS (SM2540D)	Chlorophyll a (445.0) filtered @ BEAS 0828 3/10/22	
			1.1mL 1:4 H ₂ SO ₄ pH<2 Z Lot # 21-21	Plain	Plain	Plain	Plain	
			1 x ½ Pint Plastic	1 x 1 Quart Plastic	1 x ½ Pint Plastic	1 x 1 Quart Plastic	1 x 500mL Opaque Plastic	
Wa Location #1	Grab	SW	Date/Time: "3	9/22.	•0850			١
Wa Location #2	Grab	SW	Date/Time:	•	0905		1	2
W& Location #3	Grab	SW	Date/Time:	•	0925	•	37	3
WQ Location #4	Grab	SW	Date/Time:	•	0945	•		Ý
WE LOCATION #5	Grab	SW	Date/Time;	√ •	1000	•		9

"Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
"Sample Matrix" is used to indicate whether the sample is being discharged to drinking water, (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDMNT), or sludge (SLDG).
"Container Type" is used to indicate whether the sample is being discharged to drinking water, (DW), groundwater (GW), surface water (FSW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDMNT), or sludge (SLDG).
"Container Type" is used to indicate whether the container is plastic (P) or glass (G).

Container Type is some or influence window the container is passed to Programme or Type is a container to the container of the container is passed to Programme or Type is a container or the container is passed to Programme or Type is a container or the container is passed to Programme or Type is a container or the container is passed to the container in the container in the container is passed to the container in the container in the container is passed to the container in the container in the container is passed to the container in the container in the container is passed to the container in the conta

Instructions: Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis.

The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID

All bottles not containing preservative may be rinsed with appropriate sample prior to collection.

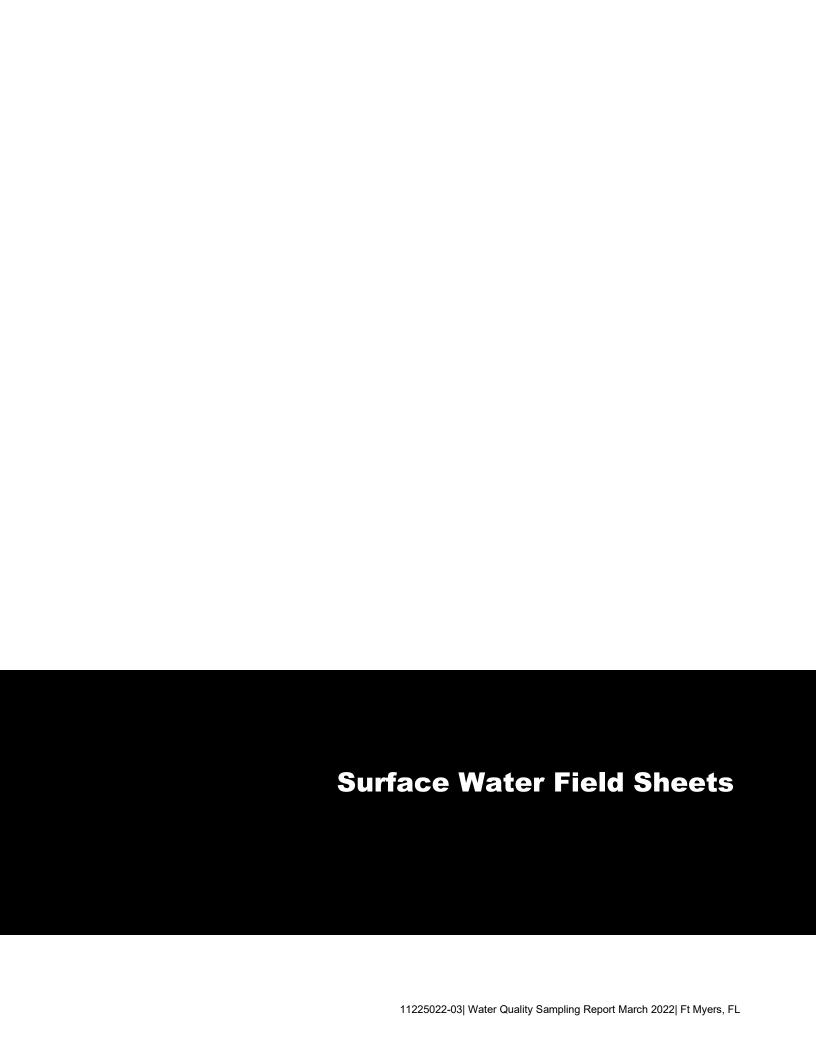
The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.

Sample kit has been created by BEA using new, certified bottles unless otherwise noted.

Laboratory Sample Acceptability:

pH <2 : 1 BEA Temperature: 0-2℃ BEAS: 4.3°C

1	Collector & Affiliation: (Print & Sign) (2020 Hayden GHD)	Date: 3/9/22	Time:	Received By & Affiliation: Brooke Kvaternick BEAS (Print & Sign) Burth Kunturum	Date: 3/9/22	Time: 1239
2	Relinquished By & Affiliation: Brooke Kvaternick (Print & Sign) Burle Kvaturille	Date: 3/10/22	Time:	Received By & Affiliation: (Print & Stan) S B DAY BY BY KEN Jun and BY A	Date: 0/22	Time: 11:20
3	Relinquished By & Affiliation: (Print of Sign) S AN ENBOCKET I an auniful MA	Date: 10/22	Time:	Received By & Affiliation: Varanchovan BES	Date: 3/10/22	Time: 1453
4	Refinquished By & Affiliation: (Print & Sign)	Date:	Time:	Received By & Affiliation: (Print & Sign)	Date:	Time:
5	Relinquished By & Affiliation: (Print & Sign)	Date:	Time:	Received By & Affiliation: (Print & Sign)	Date:	Time:



SURFACE WATER FIELD SHEET Station Information

STATION ID:

LOCATION:

DATE/TIME:

Wa Location #1

850

bridge

3/9/22

Time (24 hr.) Bottom Depth Collected (feet) pH (SU) D.O.(mg./L) D.O. (%) Temp (°C) Conductivity (µmhos/cm) (NTU) *pH of preserved sample: number of drops of sulfuric acid added in field to achieve pH of less than 2: Samples immediately placed on ice? WEATHER CONDITIONS: (circle) raining, clear partly cloudy, windy				,	ALL TIMES	ARE:	ETZ or (circle	CTZ e one)
TOTAL WATER DEPTH: (Average of 2 measurements) (Circle One if STREAM FLOW: applicable) WATER LEVEL: (Circle One) WATER SAMPLE COLLECTION DEVICE (Circle One) WATER SAMPLE COLLECTION DEVICE (Circle One) WATER SAMPLE COLLECTION DEVICE (Circle One) Meter ID# Field Measurements Read By: (initials) Time (24 hr.) Surface Depth Collected (feet) 950 1.5 954 5.13 6.2.3 25.3 486 3.38 Time (24 hr.) Bottom Depth Collected (pH (SU)) D.O.(mg./L) D.O. (%) Temp (°C) Conductivity (µmhos/cm) (NTU) 3.38 Time (24 hr.) Bottom Depth Collected (pH (SU)) D.O.(mg./L) D.O. (%) Temp (°C) Conductivity (µmhos/cm) (NTU) *pH of preserved sample: number of drops of sulfuric acid added in field to achieve pH of less than 2: Samples immediately placed on ice?		e One) (coll	ect samples in	n middle of ope	and the same of th	(collect sample) Large River	ples at selected l	
(Average of 2 measurements) (Circle One if STREAM FLOW: applicable) WATER LEVEL: (Circle One) WATER SAMPLE COLLECTION DEVICE (Circle One) Water ID# Field Measurements Read By: (initials) Time (24 hr.) Surface Depth Collected (feet) Solution Surface Depth Collected (pH* (SU) D.O.(mg./L) D.O. (%) Temp (°C) Conductivity (µmhos/cm) (NTU) Solution Time (24 hr.) Bottom Depth Collected (feet) Field Measurements Read By: (initials) Time (24 hr.) Bottom Depth Collected (feet) Field Measurements Read By: (initials) Turbidit (NTU) Solution Turbidit (NTU) *pH of preserved sample: number of drops of sulfuric acid added in field to achieve pH of less than 2: Samples immediately placed on ice? WEATHER CONDITIONS: (circle) raining, clear partly cloudy, windy	Water Char	acteristics						
Field Measurements Meter ID# Field Measurements Read By: (initials) Time (24 hr.) Surface Depth Collected (feet) 950 1.5 PH* (SU) D.O.(mg./L) D.O. (%) Temp (°C) Conductivity (µmhos/cm) (NTU) 3.32 Time (24 hr.) Bottom Depth Collected (feet) PH (SU) D.O.(mg./L) D.O. (%) Temp (°C) Conductivity (µmhos/cm) (NTU) *pH of preserved sample: number of drops of sulfuric acid added in field to achieve pH of less than 2: Samples immediately placed on ice? WEATHER CONDITIONS: (circle) raining, Clear partly cloudy, windy	(Average of STREAM F WATER LE	f 2 measurements) (Circle One if LOW: applicable) VEL: (Circle One)	No Lov	Flow Flow	within Bằnks al High	s Flood C	Conditions	(feet)
Field Measurements Time (24 hr.) Surface Depth Collected (feet) PH* (SU) D.O.(mg./L) D.O. (%) Temp (°C) Conductivity (µmhos/cm) (NTU) 950 1.5 9.54 5.13 6.2.3 25.3 486 3.38 Time (24 hr.) Bottom Depth Collected (feet) PH (SU) D.O.(mg./L) D.O. (%) Temp (°C) Conductivity (µmhos/cm) (NTU) *pH of preserved sample: number of drops of sulfuric acid added in field to achieve pH of less than 2: Samples immediately placed on ice? Visit V	WATER SA		ICE Vai			Dipper	Other	, , , , , , , , , , , , , , , , , , , ,
Time (24 hr.) Surface Depth Collected (feet) D.O. (mg./L) D.O. (%) Temp (°C) Conductivity (µmhos/cm) (NTU) 950 1.5 9.54 5.13 0.2.3 25.3 486 3.38 Time (24 hr.) Bottom Depth Collected (feet) PH (SU) D.O. (mg./L) D.O. (%) Temp (°C) Conductivity (µmhos/cm) (NTU) *pH of preserved sample: number of drops of sulfuric acid added in field to achieve pH of less than 2: Samples immediately placed on ice? WEATHER CONDITIONS: (circle) raining, Clear partly cloudy, windy	Field Measurer	nents	Meter II)#				
PSO 1.5 P.SH 5.13 C2.3 25.3 486 3.38 Time (24 hr.) Bottom Depth Collected (feet) PH (SU) D.O.(mg./L) D.O. (%) Temp (°C) Conductivity (µmhos/cm) (NTU) *pH of preserved sample: number of drops of sulfuric acid added in field to achieve pH of less than 2: Samples immediately placed on ice?	Time (24 hr.)		pH* (SU)	D.O.(mg./L)	D.O. (%)		Conductivity	Turbidity (NTU)
*pH of preserved sample: number of drops of sulfuric acid added in field to achieve pH of less than 2: Samples immediately placed on ice? WEATHER CONDITIONS: (circle) raining, clear partly cloudy, windy		1.5	8.54	5113	62.3	25.3	486	3,38
Samples immediately placed on ice? WEATHER CONDITIONS: (circle) raining, clear partly cloudy, windy	Time (24 hr.)		pH (SU)	D.O.(mg./L.)	D.O. (%)	Temp (°C)	1	Turbidity (NTU)
				l ulfuric acid add	l ded in field to	achieve pH o	l of less than 2:	N/A Yes No
PERSONNEL ON SITE: Connol Hayden Andrew Wagatt Jessie Wal	WEATHER CO	NDITIONS: (circle) raining	g, (clear) p	artly cloudy, w	<i>i</i> ndy			
U	PERSONNEL C	N SITE: Co	10001	Haydon	Andres	s Waja H	Jessie	e Walsh
REMARKS: Sample collected downstream of bridge mostly	REMARKS:					bridg	ye mosty)

SURFACE WATER FIELD SHEET Station Information

STATION ID:

LOCATION:

DATE/TIME:

Will Location 2

			L	DATE/ HIVIE.		3/9/22	905
			F	ALL TIMES A		ETZ or (circle	CTZ one)
WATERBO (Circle	e One) (collection) (collection)	Stream	nd <10HA) middle of oper representative	n water) \	Large River	10HA) les at selected le es in representa	
	TER DEPTH: 2 measurements) (Circle One if	M	(fee	t)	Sample D	epth:(.\$	(feet)
STREAM F		No		within Banks	Flood C	onditions	
WATER LET	VEL: (Circle One) MPLE COLLECTION DEVIC (Circle One)	Low CE Var	Dorg Direct	aP High Grab with le Bottle	Dipper	Other	
ield Measurer	ments	Meter ID)#		Field Meas Read By:		
ime (24 hr.)	Surface Depth Collected (feet)	pH* (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)
905	1.5	8.51	5,13	61.7	24 9	459	3.57
ime (24 hr.)	Bottom Depth Collected (feet)	pH (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)
*nH of	preserved sample: number	of drops of s	l ulfuric acid add	l ded in field to	achieve nH c	of less than 2:	J/A
-	es immediately placed on ice	•	and to dole due	iod in noid t	, aomovo pri c	n 1000 triuir 2.	(Yes) No
VEATHER COI	NDITIONS: (circle) raining	, clear p	artly cloudy, w	vindy			
ERSONNEL C	ON SITE: Connel	Haydon	Andre	u wege	itt, Jes	sie walsh	
REMARKS:	Sample conect	ed @	SE Corr	nev of	Lake	1. NOW W	vatev
		J)	•			

SURFACE WATER FIELD SHEET Station Information

STATION ID:

LOCATION:

DATE/TIME:

ALL TIMES ARE:

Wa Lucation #3

lake 7

or

(circle one)

ETZ)

Carge Lake (>10HA)
(collect samples at selected location point)

925

CTZ

WATERBO (Circle	DY TYPE: e One)	Small L (collect	_ake (>4 and t samples in	d <10HA) middle of open	water)	Large Lake (> (collect.sampl	10HA) > es at selected lo	ocation point)	
		tream samples in r	epresentative		Large River (collect samples in representative area)				
Water Chara	acteristics								
	(Average of 2 measurements)			I m (feet)			Sample Depth: (feet)		
STREAM F	(Circle Or LOW: applicable		No I	Flow Flow-	vithin Banks	Flood C			
WATER LE	VEL: (Circle Or	ne)	Low		The same and the s				
WATER SA	MPLE COLLECTIO (Circle On		E Van	Dorn Direct Samp	Grab with le Bottle	Dipper	Other		
Field Measure	mante		Meter ID	ı#		Field Meas Read By:			
Time (24 hr.)	Surface Depth Co	llected	pH* (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)	
925	1,5		0.82	6.81	82.5	25.2	386	1.98	
Time (24 hr.)	Bottom Depth Col (feet)	ected	pH (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)	
of Ha*	preserved sample:	number	of drops of s	l sulfuric acid add	led in field t	to achieve pH o	of less than 2:	NA	
	les immediately plac							es No	
MEATHER CO	NDITIONS: (circle)	raining	(clear) p	artly cloudy, _v	vindy				
PERSONNEL (wyatt,	Jessie wa	(S'&	
· EIGOIHIE			<i></i>						
REMARKS:	Sample	(onec	red from	n east	bank _	from sn	01e, 1000 -	ish	
		W	iates lev	ei					

SURFACE WATER FIELD SHEET Station Information

		s	TATION ID:	<i>j</i> u	10 Locati	on#4
		L	OCATION:	n	O Locati corthwest bank	tem
		E	ATE/TIME:		3/9/22	945
		F	LL TIMES AR	E: (ETZ) or (circle or	CTZ ne)
		L				
WATERBODY TYPE: Small Lake (Circle One) (collect sar	(>4 and	<10HA) niddle of ope		arge Lake (> collect samp	10HA) les at selected loc	ation point)
Small Strea (collect sam	ım ıples in r∈	epresentative		arge River collect sampl	es in representati	ve area)
Water Characteristics					5	
TOTAL WATER DEPTH: Nm		(fee	et)	Sample D	epth:(feet)
(Average of 2 measurements) (Circle One if	N. F	The Flow	within Banks	Flood C	Conditions	
STREAM FLOW: applicable)	No F Low		~~)	,		
WATER LEVEL: (Circle One) WATER SAMPLE COLLECTION DEVICE (Circle One)		Dorn Dire	ct Grab with	Dipper	Other	
				Field Mea Read By:	surements (initials)	
Fleid Measurements	Meter ID: I* (SU)	# D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity	Turbidity (NTU)
(feet)	-41	6.22		25.7	(µmhos/cm) 477° 2	4.07
(44)	H (SU)	D.O.(mg./L		Temp (°C)	Conductivity (µmhos/cm)	Turbidity (NTU)
*pH of preserved sample: number of o	drops of s	ulfuric acid a	dded in field t	o achieve ph	of less than 2:	(Yes)No
Samples immediately placed on ice?						
WEATHER CONDITIONS: (circle) raining,	clear, o	artly cloudy	L.,	10	/	
PERSONNEL ON SITE: Jessie	<u>Wa</u>	18hs	(onnor	Hayo	ion,	
andrew	<u>, l</u>)yatt				
REMARKS: Sample 1011	de	9 From	i west	- bunk	OF Show	<u>() </u>
REMARKS: Sample coll slightly los	ω ω	ater l	wel			

SURFACE WATER FIELD SHEET Station Information

STATION ID:

LOCATION:

DATE/TIME:

ALL TIMES ARE:

Wo Location #5 Western bank 3/9/22 1000

> or (circle one)

CTZ

WATERBOD (Circle			<10HA) middle of open	water) (Large Lake (>10HA) (collect samples at selected location point) Large River				
	Small Stream (collect samples in representative area) (collect samples in representative area)								
Water Charac	teristics								
		nn	,	(feet))	Sample De	pth: <u> </u>	and the grant of t	
(Average of 2 measurements) (Circle One if								feet)	
STREAM FL			No F	—		7 1,000 01	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
WATER LEV	MPLE COLLECTION	ON DEVIC	Low E Van	Dorn Direct	Grab with	Dipper	Other		
	(Circle O	ne)		(Samp	le Bottle	Field Meas	urements		
Marron	onte		Meter ID	#		Read By: (initials)	Turbidity	
ield Measuren ime (24 hr.)	Surface Depth C	ollected	pH* (SU)	D.O.(mg./L)	D.O. (%)	Temp (°C)	Conductivity (µmhos/cm)	(NTU)	
1000	(feet) 1.5		8-79	5.51	66.8	25-7	416-1	3.02 Turbidity	
Temp (°C) Conductivity Tubic						(NTU)			
							of loop than 2	Na	
*pH of preserved sample: number of drops of sulfuric acid added in field to achieve pH of less than 2:									
Sampl	es immediately pl	aced on ic	e?						
	NDITIONS: (circ	ام) rainino	ı (clear_t	artly cloudy,	windy				
PERSONNEL (ON SITE:	1551e 1	Walsh	, Con	nor H	aydon,	andree	s Wyar	
REMARKS:	Sample	Col	rected	From	Wester	n bank	z, 51196	otly_	
REMARKS: Sample collected From Western Grank, Slightly low Flow									