



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Hopkins Creek at Kings Rd

Date: 4/9/19

(mm/dd/yyyy)

WIN/ Field ID: 20030758

WBID: 2266

Latitude: 30.301977

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.4169166

(Decimal Degrees)

Receiving Body of Water: ICW

RQ-2019-04-08-59

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
<i>Pct O'Connor</i> <i>Brian Davis</i>					☒	☒	☒	☒	☒	☐ Sample Container	☐ Van Dorn	☐ Pole		
										☐ Carboy	☐ Syringe			
										☐ Dipper	☐ Other			
										Depth Measured with <i>Pct O'Connor</i>				
Equipment ID <i>045044</i>								Collection Method						
					☐ Wading					☐ Canoe/Kayak				
					☐ From Shore					☐ Electric Motor				
					☐ Other					☒ Gasoline Motor				
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded					Meter ID# <i>Pct O'Connor</i>					Matrix: Fresh / <u>Marine</u> / DI				
Photos: Yes / <u>No</u> / Flow: No Flow / Intertidal / <u>Flowing</u> / NA					Tide: Rising / <u>Falling</u> / Slack / NA					Tide Times: High <i>7:00</i> Low <i>19:00</i>				
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Seacht Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (C°)				
EST	1430	1.0	0.3	VOB	6.89	93.1	7.5	21.74	34586	24.2				
CEN														
Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other:														
SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:														
Parameter Suite	Parameter Methods					Preservation	Lot#	Expiration	pH Check					
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					☒ Ice ☒ H2SO4	<i>SA8274050</i>	<i>10/1/19</i>	☒ <2					
Metals	☒ W-ICPMS ☐ W-ICP					☒ Ice ☒ HNO3	<i>NA8192080</i>	<i>7/1/19</i>	☒ <2					
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter					☒ Ice	<i>R7HA29007</i>							
Chlorophyll	☒ CHLSUITE-W					☒ Ice								
Physical/Aggregate (Fresh)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS					☐ Ice								
Physical/Aggregate (Marine)	☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY					☒ Ice								
Macroinvertebrates	☐ MI-FW-QLOC					☐ Formalin								
Periphyton	☐ ALGAE-ID					☐ Ice								
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococci					☐ Ice								
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD					☐ Ice								
Tracers	☐ W-E8321-DI ☐ W-E8321-MS					☐ Ice								
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-UI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA					☐ Ice								
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C					☐ Ice								

Notes: *Continuous Monitoring DO*

Place Label Here

Signature: *[Signature]* Date: 4/9/19

LIMS EVENT ID: 2019-04-10-01 WIN Import ID:

Enter Field Parameters. Verify Station ID in LIMS DMT: 2019/11/19 QC Station ID, Field Parameters in LIMS DMT: CR 4/17/19

Scan/Save Field Sheets: (Initials/Date) Micro Data to WIN: (Initials/Date) Verify Data in WIN: (Initials/Date)

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: 9AE

RQ: 2019-04-08-59

Project: Hopkins

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification _____

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Brian Davis	4/2/19	1350	759.9	22.0	8.7	8.7	100	/	/	(P) F	(L) F
ICV				22.1	760	8.7	8.7	100	/	/	(P) F	(L) F
CCV	AK Rimbacher	4-3-19	1620	22.6	765.0	8.7	8.68	100.7	/	/	(P) F	(L) F
CCV		4/9/19	1600	22.7	760	8.6	8.6	99.7	/	/	(P) F	(L) F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Brian Davis	4/2/19	1356	190125B	2/20	1000	1000	(P) F	(L) F
ICV			1400	180919	9/19	50,000	50,056	(P) F	(L) F
CCV	AK Rimbacher	4-3-19	1625	190125B	2/2020	1,000	11003	(P) F	(L) F
CCV		4/9/19	1604	190319A	3/20	1000	1005	(P) F	(L) F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	B - P -	4/2/19	1406	2807A76	6/20	7.01	22.3	7.01	-28.1	(P) F	(L) F
Calibr.			1410	2811D47	11/20	4.0	22.3	4.0	147.7	(P) F	(L) F
Calibr.			1415	2810F55	4/20	10.02	23.0	10.01	-200.8	(P) F	(L) F
ICV			1418	2807A76	6/20	7.01	22.5	7.04	-28.8	(P) F	(L) F
CCV	AK Rimbacher	4-3-19	1615	2811D47	11/20	4.0	23.9	4.16	138.7	(P) F	(L) F
CCV										(P) F	(L) F

pH Acceptance criteria ± 0.2 SU;

mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	B - P -	4/2/19	1420	0.00	0.00	(P) F	(L) F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

AK - Filled out wrong cal sheet by mistake



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SMP CONTINUOUS MONITORING SHEET

August 2017

PAGE ____ OF ____

Data Qualified?
Yes / No

STORET Station Name: Hopkins Creek at Kings Rd WBID: 2266
STORET Station ID: G2NE0766 ORG ID: 21FLA
Field ID: _____ County: Duval RQ - _____

Meter ID#: YSI 9AE

Pre-Deployment Setup

Date: 4/2/19

Performed by: B Davis

Parameters

Recorded:

☒ Date

☒ Time

☒ Temp. (°C)

☒ Sp. Cond.

☒ DO SAT

☒ DO (mg/L)

☒ pH

☒ Depth

Sampling Interval
(min): 15

Free Memory
(days): 92

Expected
Battery Life: 78.5

Programmed
Duration: 365 days

Sonde Filename: HC4319

Reset Clock?
(Y or N) (N)

Programmed Start
Date/Time: 4/3/19 (mm/dd/yyyy) 10:00 (hh:mm:ss) (Cent. / East)

Wipers Park
Correctly? Y

Programmed End
Date/Time: 4/9/19 (mm/dd/yyyy) 10:00 (hh:mm:ss) (Cent. / East)

Calibration Date 4/2/19

Deployment

Date: 4/3/19

Time Into Water: 1100

Time Zone: Cent. / East.

Deployed Sonde

Latitude:

30.309277

Deployed By:

(print all staff
present)

BD

Deployed Sonde

Longitude:

-81.4169166

AK

Notes: (how to get to, landmarks, site considerations & concerns, etc.)

Photos: Yes / (No)

Retrieval

Date: 4/9/19

Time Out Of Water: 1430

Time Zone: Cent. / East.

Mounting left or
removed?

Removed

Retrieved By:

BD, PO

Notes: (significant fouling, signs of human disturbance, site considerations and concerns, etc.)

Significant High Tide

Post-Deployment

Date: 4/9/19

Performed by: BD

Data File Downloaded? (Yes) No

Archived Filename: 04092019-data

Meter Verification Date: 4/9/19

Continuous Monitoring Event

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Brian Davis

Field Report Prepared By: B-D

Project ID: SMP

Collected By: B Davis, PO'ConnorSampling Agency: DEAR NEV

Location <u>Hopkins Creek at Kings Rd</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>4/9/19</u> Time <u>1410</u>		☒ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s) (See pg 2) <u>C</u>	
Field ID		Matrix (type, e.g., Salt, Fresh, etc) <u>5-17</u>		Diss. Oxygen <u>6.89</u>		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET # <u>G2NE0766</u>		Temp (C) <u>24.2</u>		pH <u>7.5</u>		Sample Depth <u>0.3</u>	☐ ft ☒ m		Sp. Conductance (umho/cm) <u>4586</u>
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) <u>21.74</u>		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: <u>B-D</u>	Date/Time <u>4/9/19 1630</u>	Shipping Method <u>Fed Ex</u>	Number of Coolers Shipped: <u>1</u>	Received By:	Date/Time
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Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	NE-ALS-ENQ					
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	PCR-HF183					
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	W-E8321-DI W-E8321-MS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab _____
	W-ICP W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab _____
	W-PO4-F					
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS					

Group: B	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
CHLSUITE-W							
Group: B	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
NE-ALS-ENQ							
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	0
W-NH3							
W-NO2NO3							
W-S-A-TP							
W-TKN							
W-TOC							
Group: B	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	0
W-PO4-F							
Group: C	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
ALKALINITY							
TURBIDITY							
W-BR-IC							
W-F							
W-TSS							
Group: C	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
CHLSUITE-W							
Group: C	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
NE-ALS-ENQ							
Group: C	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
W-F-F							
W-PO4-F							
Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
W-ICP							
W-ICPMS							
Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
W-NH3							
W-NO2NO3							
W-S-A-TP							

Group: C Bottle Type: P-500ML # of Bottles: 1 Preservative: ICE And H2SO4 Enter Number of Bottles Sent to Lab 1

W-TKN
W-TOC