



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

April 2018

Data Qualified?

Yes / No

WIN Station Name: Hopkins Cr at Kings Rd.

Date: 3/7/19
(mm/dd/yyyy)

WIN/ Field ID: 20030758

WBID: 2266

Latitude: 30.309277
(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: 81.416916
(Decimal Degrees)

Receiving Body of Water: ICW

RQ-2019-01-21-47

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
B Davis										
A Kolmberger										

Sampling Equipment					
☒ Sample Container	☐ Van Dorn	☐ Pole			
☐ Carboy	☐ Syringe				
☐ Dipper	☐ Other				
Depth Measured with <u>YSI #3</u>					
Equipment ID <u>01407</u>					

Collection Method					
☐ Wading	☐ Canoe/Kayak				
☐ From Shore	☐ Electric Motor				
☐ Other	☒ Gasoline Motor				

Water Level: Dry / Pooled / Low / <u>Normal</u> / High / Flooded						Meter ID# <u>YSI #3</u>		Matrix: Fresh / <u>Marine</u> / DI		
Photos: Yes / <u>No</u>		Flow: No Flow / Intertidal / <u>Flowing</u> / NA		Tide: Rising / Falling / Slack / NA		Tide Times: High / Low				
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTH)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1100	2.1	0.3	1.0	8.22	95.7	7.94	22.73	35,895	16.07
CEN	1105		1.6		8.18	95.1	7.95	23.21	36,596	15.96

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	SA8274050	10/1/19	☒ <2		
Metals	☒ W-ICPMS ☒ W-ICP				☒ Ice ☒ HNO3	NA8080070	3/21/19	☒ <2		
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice	R7KA29007				
Chlorophyll	☒ CHLSUITE-W				☒ Ice					
Physical/Aggregate (Fresh)	☐ Alkalinity / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY / ☐ W-CI-IC / ☐ W-COLOR / ☐ W-SO4-IC / ☐ W-TDS				☐ Ice					
Physical/Aggregate (Marine)	☒ Alkalinity / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY				☒ Ice					
Macroinvertebrates	☐ MI-FW-QLDC				☐ Formalin					
Periphyton	☐ ALGAE-ID				☐ Ice					
Microbiology	☐ E Coli ☐ F Coli ☒ Enterococci				☒ Ice					
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD				☐ Ice					
Tracers	☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice					
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI				☐ Ice					
	☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA				☐ Other					

Notes: Adjacent Neighbor Mr. Boon

WIN / Field ID: 
20030758

Hopkins Cr at Kings Rd.

Signature: B-D-

Date: 3/7/19

Enter Field Parameters, Verify Station ID in LIMS DMT: 3/7/19
(Initials/Date)

QC Station ID, Field Parameters in LIMS DMT: _____
(Initials/Date)

Scan/Save Field Sheets _____
(Initials/Date)

Migrate Data to WIN: _____
(Initials/Date)

Verify Data in WIN: _____
(Initials/Date)

Continuous Monitoring

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Brian Davis

Field Report Prepared By: BS - D-

Project ID: SMP

Collected By: BS Davis A KelnbacherSampling Agency: DEAR NE-D

Location	WIN / Field ID:  20030758	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>3/7/19</u> Time <u>1100</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Field ID	Hopkins Cr at Kings Rd.	Matrix (type, e.g., Salt, Fresh, etc) <u>Salt</u>		Diss. Oxygen <u>8.22</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/STORET #		Temp (C) <u>16.07</u>	pH <u>7.94</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>35,895</u>
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <u>22.73</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>BS - D-</u>	Date/Time <u>3/7/19 1610</u>	Shipping Method <u>Fed Ex</u>	Number of Coolers Shipped: <u>1</u>	Received By:	Date/Time
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Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	0
Group: B	Bottle Type: NE-ALS-ENQ	P-250ML-WI-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	0
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	0
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	0
Group: C	Bottle Type: ALKALINITY TURBIDITY W-BR-IC W-F W-TSS	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: NE-ALS-ENQ	P-250ML-WI-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1 to ALS
Group: C	Bottle Type: W-F-F W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	1

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



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SMP CONTINUOUS MONITORING SHEET

PAGE ____ OF ____

August 2017

Data Qualified?
Yes / No

STORET Station Name:

Hopkins Cr at Kings Rd.
~~Hopkins at Mouth of Creek~~

WBID:

2266

STORET Station ID:

~~62NE1176~~ 20030758

ORG ID:

21FLA

Field ID:

County:

Duval

RQ:

2019-01-21-47

Meter ID#:

3AD

Pre-Deployment Setup

Date:

2/25/19

Performed by:

Brian Davis

Parameters

Recorded:

☒ Date

☒ Time

☒ Temp. (C°)

☒ Sp. Cond.

☒ DOSAT

☒ DO (mg/L)

☐ pH

☒ Depth

Sampling Interval

(min):

15

Free Memory

(days):

11

Expected

Battery Life:

194

Programmed

Duration:

7 days

Sonde Filename:

HOP3419

sonde Time

Rect time

Reset Clock?

(Y or N)

N

Programmed Start

Date/Time:

2/25/19

(mm/dd/yyyy)

AKA 9:00

(hh:mm:ss)

(Cent. / East)

Wipers Park

Correctly?

Y

Programmed End

Date/Time:

3/4/19

(mm/dd/yyyy)

AKA 9:00

(hh:mm:ss)

(Cent. / East)

Calibration Date

2/25/19

Deployment

Date:

Time Into Water:

1123

Time Zone:

Cent. / East

Deployed Sonde

Latitude:

30.309060

Deployed By:

B Davis

Deployed Sonde

Longitude:

-81.418780

(print all staff present)

C Ruben

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

Photos:

☒ Yes

☐ No

Retrieval

Date:

3/7/19

Time Out Of Water:

1100

Time Zone:

Cent. / East

Mounting left or

removed?

Removed

Retrieved By:

B Davis, A Kelnbscher

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

Very little fouling. Blocks & Rebar were removed with ease.

Post-Deployment

Date:

3/7/19

Performed by:

B Davis

Data File Downloaded?

☒ Yes

☐ No

Archived Filename:

03042019-data

Meter Verification Date:

3/11/19

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: **3AD**

RQ: **2019-02-18-08**

Project: **CM Hopkins C**

- Notes: (1) Always wait for meter to stabilize before recording any readings. **2019-21-47 CM Hopkins C**
 (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.	B-V-	2/25/19	756	22.4	760	8.68	8.67	99.9	/	/	P/F	L/F
ICV			802	22.4	760	8.67	8.68	100.2	/	/	P/F	L/F
CCV		3/11/19	1327	23.7	760	8.46	8.38	99.1	/	/	P/F	L/F
CCV											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.	B-V-	2/25/19	808	190125B	2/20	1000	1000	P/F	L/F
ICV			811	180919	9/19	50,000	50,201	P/F	L/F
CCV		3/11/19	1330	190125B	2/20	1000	1001	P/F	L/F
CCV								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.						7.				P/F	L/F
Calibr.						4.				P/F	L/F
Calibr.						10.				P/F	L/F
ICV										P/F	L/F
CCV										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						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: