



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

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Data Qualified?
Yes / No

Location/STORET Station Name: Lake Kinsail

Date: 05/12/2017

STORET #

WBID: 647K

Latitude: 30.53284

County: Leon

RQ - 2017-05-08-76

ORG ID: 21FLWQA

Longitude: -84.21676

Receiving Body of Water: Lake Killarney

Field ID: Kinsail_05122017

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment		
Curtis Musson					X	X	X	X	X	☒ Sample Container	☐ Van Dorn	☐ Pole
Ben Ralys					X	X	X	X	X	☐ Carboy	☒ Syringe	
										☐ Dipper	☐ Other	
										Equipment ID		
										Collection Method		
										☐ Wading	☒ Via Boat	
										☐ From Shore	☒ Canoe/Kayak	
										☐ Other (note below)	☐ Electric Motor	
											☐ Gasoline Motor	

Water Level: Dry / Pooled / Low / Normal / High / Flooded

Matrix: Fresh / Marine / DI

Meter ID# B14#2

Photos: Yes / No

Tide Falling: Yes / No / NA

Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)
EST	11:10	0.3	0.8	12.23	154.5	9.85	0.03	0.3	75	27.38
CEN										

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other

SBIO ID Numbers: SBIO-ID: RPS-ID: Macrophyte-ID: LIMS#:

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	630203	10/28/17	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-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 ☐ qPCR	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Notes:

Bloom response

Field ID



KINSAIL_02222017

Lake Kinsale
May 12, 2017
RQ-2017-05-08-76
Bottle Group A

Signature:

Curtis Musson

Date:

5-12-17

Field Parameters Entered into LIMS:

(Initials/Date)

Field Parameters QC in LIMS:

(Initials/Date)

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

(Initials/Date)

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

Handwritten note: "Handwritten 'X' on bottom left of this page"

Meter Biology #2 RQ- 2017-05-08-76 Project Bloom RESP

- Notes: (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 03/06/2017

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	5/12/17	10:00	22.36	8.693	8.168	100.0	35	-	P	LAB
ICV	Curtis Musson	5/12/17	10:20	23.34	8.693	8.168	99.9	35	-	P	LAB
CCV	Curtis Musson	5/12/17	12:13	25.47	8.158	8.09	99.9	36	-	P	LAB
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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; 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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	5/12/17	10:03	161111D	11-2017	1000	1000	P	LAB
ICV	Curtis Musson	5/12/17	10:04	161111D	11-2017	1000	1000	P	LAB
CCV	Curtis Musson	5/12/17	12:15	120310E	3-2018	100	103	P	LAB
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	5/12/17	10:06	161111B	5/2018	7.0	7.00	-20	P	LAB
Calibr.	Curtis Musson	5/12/17	10:08	120310A	3/2018	4.01	4.00	158	P	LAB
Calibr.	Curtis Musson	5-12-17	10:10	161111C	5/2018	10.01	9.96	-181	P	LAB
ICV	Curtis Musson	5/12/17	10:12	161111C	5/2018	10.01	9.91	-179	P	LAB
CCV	Curtis Musson	5/12/17	12:17	120310B	9/2018	7.00	6.7	306	Fail	LAB
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;

mV pH7 Range 0 ± 50 ;

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

mV pH 10 Range -180 ± 50 ;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification _____

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

Request Number: RQ-2017-05-08-76

Event: Kinsale Bloom

Customer: WQ-ASSESS

Project ID: Bloom-RESP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester: Curtie Musson

Collected By: Curtie Musson Ben Raks

Field Report Prepared By: Ben Raks
Sampling Agency: FDEP
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Location

Lake Kinsale

Field ID

Field ID



KNSAL_02222017

STORET #

Location

Latitude (Decimal Degrees)

30.53284

Longitude (Decimal Degrees)

-84.21676

Field ID

STORET #

Location

Field ID

STORET #

Location

Field ID

STORET #

Location

Relinquished By: Curtie Musson

Date/Time: 5/12/17

11:57

Number of Coolers: 1

Received By:

Date/Time

Collection (comp begin or grab)
☒ Grab Date: 5/12/17 Time: 11:10

Collection (comp begin or grab)
Eastern Central Date: Time:

Bottle Group(s)

Matrix (Salt, Fresh) Fresh

Diss. Oxygen (mg/L)

12.23

Temp (C)

27.38

pH

9.85

Sample Depts (m)

0.3

Sp. Conductance (umho/cm)

75

A, B

Salinity (ppt)

0.03

Comments

Bloom Response

Collection (comp begin or grab)
☐ Comp ☐ Grab Date: Time:

Collection (comp begin or grab)
Eastern Central Date: Time:

Bottle Group(s)

Matrix (Salt, Fresh)

Diss. Oxygen (mg/L)

Temp (C)

pH

Sample Depts (m)

Sp. Conductance (umho/cm)

Salinity (ppt)

Comments

Latitude (Decimal Degrees)

Longitude (Decimal Degrees)

Collection (comp begin or grab)
☐ Comp ☐ Grab Date: Time:

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Eastern Central Date: Time:

Bottle Group(s)

Matrix (Salt, Fresh)

Diss. Oxygen (mg/L)

Temp (C)

pH

Sample Depts (m)

Sp. Conductance (umho/cm)

Salinity (ppt)

Comments

Latitude (Decimal Degrees)

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