



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF 1

Data Qualified?
Yes / No

Location/STORET Station Name: LAKE ELLEN

Date: 06/26/2018
(mm/dd/yyyy)

STORET # G1SW0074

WBID: 1516E

Latitude: 28.06104444

County: Hillsborough

RQ - 2018-06-25-02

ORG ID: 21FLTPA

Longitude: -82.49628611

Receiving Body of Water: SWEETWATER CREEK

Field ID: G1SW0074

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Judy \$ Ashton								
Sarah Meyer								

Sampling Equipment	
☒ Sample Container	☐ Van Dorn ☐ Pole
☐ 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# Chewy

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	1235	0.3	5.2	8.52	117.1	8.21	0.12	1.2	260.7	32.2
CEN		4.7		0.19	2.4	6.76	0.14		299.2	25.9

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

SBIO ID Numbers: SBIO-ID: 78867 RPS-ID: Macrophyte-ID: 11067 LIMS#: 2003466

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	SA7275010	10/02/18	☒ <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			

Contains: 1:1 Sulfuric Acid
Lot No: SA7275010
Expires: 10/02/18
See Safety Data Sheet (SDS)

Sticker(s) Here
(Sticker(s) Here)

Notes:

Charlene Wall, 3216 N. Stoney Brook No#, Maybe knock on door?
KITA LVI COMM. POST RAMP - BETWEEN 3212 + 3214
KEY INSIDE LATE TO LEFT NEAR TRASH CAN
MR. FARO, IS NEXT DOOR

Field ID/WIN

G1SW0074



Site Name: Lake Ellen

Signature: Sarah Meyer

Date:

06/26/2018

Field Parameters Entered into LIMS: SM 09/13/2018

(Initials/Date)

Field Parameters QC in LIMS: SM 12/27/2018

(Initials/Date)

Date Migrated to STORET: 9/02/2018 SM 12/27/2018

(Initials/Date)

Field Sheets Scanned/Saved: SM 1/15/2019

(Initials/Date)

Verified 1/15/2019 SM

QA/QC Sample Information Duplicate

Time Zone: <u>EST</u> CEN		Time: <u>12:40</u>		Field ID: <u>G1SW0074-DUP</u>	
(WIN ID + DUP)					
Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H ₂ SO ₄	<u>SA7275010</u>		
Metals	☐ W-ICPMS ☐ W-ICP	☒ Ice ☒ HNO ₃			
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			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci	☐ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐				
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA				
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W				

Contains: 1:1 Sulfuric Acid
 Lot No.: SA7275010
 Expires: 10/02/18
 See Safety Data Sheet (SDS)

Contains: 1:1 Sulfuric Acid
 Lot No.: SA7275010
 Expires: 10/02/18
 See Safety Data Sheet (SDS)

Field ID:
 Location: Lake Ellen
 WIN ID:

Blank

Time Zone: <u>EST</u> CEN		Time: <u>12:50</u>		Field ID: <u>SMP06262018-FB</u>	
(BLANK_DDMYYYYY)					
DI Source: <u>FDEP SW ROC</u>		Location: <u>Lake Ellen</u>		Equipment ID: <u>Baby Boi</u>	
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank					
Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H ₂ SO ₄	<u>SA8085170</u>	<u>03/26/19</u>	☒ < 2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ < 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			
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococci	☐ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD	☐ 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-CARB-AA ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other			

Contains: 1:1 H2SO4
 Lot No.: SA8085170
 Expires: 03/26/19
 See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4
 Lot No.: SA8085170
 Expires: 03/26/19
 See Safety Data Sheet (SDS)

Field ID/WIN

 Site Name: Field Blank_06/26/2018

Signature: Sarah Meyer

Date: 06/26/2018

Enter Field Parameters, Verify Station ID in LIMS DMT: SM 09/13/2018 QC Station ID, Field Parameters in LIMS DMT: SM 12/27/2018
 (Initials/Date) (Initials/Date)
 Scan/Save Field Sheets SM 1/15/2019 Migrate Data to WIN: 9102 SM 12/27/2018 Verify Data in WIN: SM 1/15/2019
 (Initials/Date) (Initials/Date) (Initials/Date)

1. *Journal of Management Studies*, 1996, 33, 1, 1-15.

Revision Date: March 1, 2014

DEP Form FD 9000-6: Lake Habitat Assessment Field Sheet

GISW0074

STORET STATION NUMBER: SEE STICKER UPPER RIGHT	LAKE SIZE:	LAKE NAME Lake Ellen		FIELD ID / NAME: PUT STICKER A
ECO-REGION:	COUNTY: Hillsborough	SAMPLING LOCATION/DESCRIPTION: Lake Center		GISW0074
PARAMETER	No surface inflow or outflow present, very long water residence time, groundwater seepage dominates	Surface water inflow present, but flow is rare, moderate to long water residence time	Surface water inflow and outflow present (or outflow only), sometimes with visible flow, short water residence time	Impounded, hydrology of system artificially controlled
HYDROLOGY	☐	☐	☐	☒
Color	Very clear, uncolored water (benthic sampling appropriate) ☐	Water somewhat tannin stained (benthic sampling appropriate) ☒	Dark, discolored water (water color 20 PCU or higher) ☐	Visibility extremely reduced due to high color ☐
	Optimal	Suboptimal	Marginal	Poor
Secchi	Secchi >3 m Or VOB	3 2.6 2.2 1.8 1.4	1.0 0.9 0.8 0.7 0.6	0.5 0.4 0.3 0.2 0.1
11	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Vegetation Quality	Diverse, expected native vegetation (emergent or submersed), less than 5% nuisance taxa	Mostly expected native plants, but moderate growths (6%-20% of lake) of nuisance macrophytes, or more than 50% of lake covered with plants	Large masses (21%-40%) of nuisance macrophytes (e.g., Hydrilla, hyacinth, cattail, etc.) or algal mats	Lake choked (>40%) with nuisance macrophytes (duckweed, hyacinth, etc.) or algal mats, or few plants present at all (e.g., plants removed)
9	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Stormwater Inputs	Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation	Some direct stormwater inputs (ditches, pipes, cultivated vegetation < 10%) but good BMPs in place	Moderate direct inputs of stormwater (ditches, pipes, cultivated vegetation 11%-50%) but few BMPs in place	Much direct input of stormwater (ditches, pipes, cultivated vegetation > 51%) and no or ineffective BMPs in place
9	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Bottom Substrate Quality	Diverse mixture of sand, detritus, with small amounts of CPOM/mud/muck. SAV may be present	Mixture of sand or clay and detritus with higher % CPOM/mud/muck content. SAV may be present	Moderate layer of CPOM/mud/muck, or hardpacked sand only, or moderate algal growth (mats or Chara) on bottom	Thick deposits of CPOM, or fine detritus and anaerobic muck/mud/silt, or algal growth or nuisance plants (Hydrilla) cover bottom
15	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Lakeside Adverse Human Alterations	Very few man-made structures, roads, or other disturbance adjacent to lake (<10%)	Moderate disturbance visible (structures, roads or other), 10%-49% lakeside affected	Many structures, roads or other human disturbance visible (50%-70%) lakeside affected	Highly developed or disturbed (>70% of lakeside affected)
5	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Upland Buffer Zone	Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer	89%-51% of shoreline with >18m buffer or >75% with 10m to 18m buffer	50%-30% of shoreline with >18m buffer or 50%-74% with 10m to 18m buffer	<29% of shoreline with >18m buffer
6	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Adverse Watershed Land Use	Score the potential effects from adverse human land uses, based on a continuum of amount and type, with least to most adverse as follows: Native vegetation, Silviculture, Pasture or Citrus, Low Density Residential, Row Crops, Commercial, High Density Residential, Urban, Industrial			
13 12	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
TOTAL SCORE	68			
COMMENTS:				

ANALYSIS DATE: 06/26/2018	ANALYST: S Meyer & J Ashton	SIGNATURE: Sarah Meyer
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DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

Lake Ellen

SAMPLE ID: 78967 see sticker in upper right MACROPHYTE ID: 11067
 COUNTY: Hillsborough WBID: 1516E
 LAKE SIZE: _____ TIME: 1235
 SAMPLING AGENCY: FLDEP SW ROC

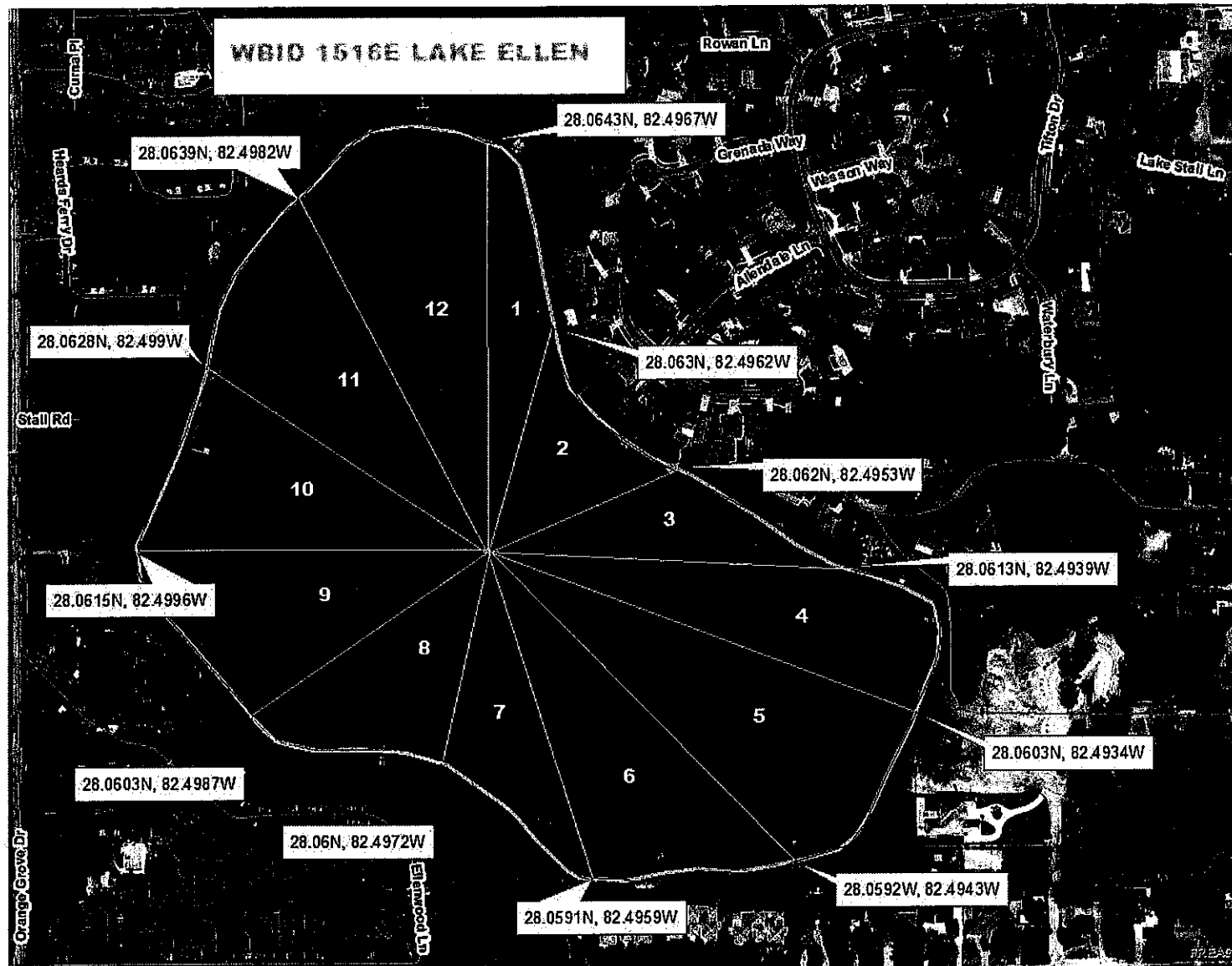
LATITUDE: 28.06104
 LONGITUDE: -82.49629

WATERSHED / LAKESIDE FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category – from GIS): Forest/Natural ☐ Silviculture ☐ Field/Pasture ☐ Agricultural ☐ Residential ☐ Commercial ☐ Industrial ☐ Other (Specify) ☐				LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer) LDI:	
Local Watershed Erosion (select one): ☐ None ☐ Slight ☐ Moderate ☐ Heavy				Artificially Impounded ☐ Yes ☐ No	
Local Watershed NPS Pollution: ☐ No evidence ☐ Slight ☐ Moderate ☐ Heavy				Land Use Source & Year:	
STORMWATER INPUTS <u>9</u>	Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation 20 19 18 17 16	Some direct stormwater inputs (ditches, pipes, cultivated vegetation < 10%) but good BMPs in place 15 14 13 12 11	Moderate direct inputs of stormwater (ditches, pipes, cultivated vegetation 11%-50%) but few BMPs in place 10 <u>9</u> 8 7 6	Much direct input of stormwater (ditches, pipes, cultivated vegetation > 51%) and no or ineffective BMPs in place 5 4 3 2 1	
LAKESIDE ALTERATIONS <u>5</u>	Very few man-made structures, roads, or other disturbance adjacent to lake (<10% lakeside affected) 20 19 18 17 16	Moderate disturbance visible - structures, roads or other (10%-49% lakeside affected) 15 14 13 12 11	Many structures, roads or other human disturbance visible (50%-70% lakeside affected) 10 9 8 7 6	Highly developed or disturbed (>70% of lakeside affected) <u>5</u> 4 3 2 1	
BUFFER ZONE <u>6</u>	Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer 20 19 18 17 16	89%-51% of shoreline with >18m buffer or >75% with 10m to 18m buffer 15 14 13 12 11	50%-30% of shoreline with >18m buffer or 50%-74% with 10m to 18m buffer 10 9 8 7 <u>6</u>	< 29% of shoreline with >18m buffer 5 4 3 2 1	

WATER / SUBSTRATE / BIOLOGICAL: SAMPLES AND OBSERVATIONS

Water: Nutrient Sample Taken? ☒ Yes ☐ No Preserved? ☒ Yes ☐ No pH<2 ☐ No Color Sample Taken? ☐ Yes ☐ No Lot # <u>SA7275010</u> Exp. Date: <u>10/02/18</u> Alkalinity Sample Taken? ☐ Yes ☐ No Water Level ☐ Low ☒ Normal ☐ High								Water Odors: ☒ Normal ☐ Sewage ☐ Petroleum ☐ Other _____			
Meter Readings: Top: Depth (M) <u>0.3</u> Temp. (°C) <u>32.2</u> pH (SU) <u>8.21</u> D.O. (MG/L) <u>8.52</u> D.O. Sat. (%) <u>117.1</u> Cond. (UMHO/CM) <u>260.7</u> Salinity (PPT) <u>0.12</u> Mid-Depth: _____ Bottom: <u>4.7</u> <u>25.9</u> <u>6.76</u> <u>0.19</u> <u>2.4</u> <u>299.2</u> <u>0.14</u>								Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____			
Meter ID: _____								Clarity: ☐ Clear ☐ Opaque ☐ Turbid ☐ Slightly Turbid Color: ☐ Clear ☒ Tannic ☐ Green			
Sediment Type: (may check more than one) ☐ Sandy ☐ Organic fibrous (peaty, CPOM) ☐ Vegetated ☐ Sand/Silt ☐ Organic smooth (muck) ☐ Other (Specify): _____								Sediment Odors: ☐ Normal ☐ Anaerobic ☐ Other (Specify): _____			
Biological Communities: LVI Conducted? ☒ Yes ☐ No Phytoplankton Sample Taken? ☐ Yes ☒ No Sample Preserved? ☐ Yes ☒ No Lot #: _____ Exp Date: _____ Algal Bloom/Algal ID Sample Taken? Yes ☒ No ☐ Don't Know Active Vegetation Mgmt? ☒ Yes ☐ No ☐ Don't Know								Abundance: Absent Rare Common Abundant Periphyton ☐ ☐ ☐ ☐ Nuisance Plants ☐ ☐ ☐ ☐ Submersed Plants ☐ ☐ ☐ ☒ Exotic Apple Snails ☐ ☐ ☐ ☐			
Weather Conditions:								Additional Notes:			
SAMPLING TEAM: <u>Judy Ashton & Sarah Meyer</u>								SIGNATURE: <u>Sarah Meyer</u>			
DATE: <u>06/26/2018</u>											



Florida Department of Environmental Protection

Central Laboratory Submittal Form

LVI Lakes

Customer: SW-DIST

Requester: Benjamin Paswater

Field Report Prepared By: S Meyer

Project ID: SMP

Collected By: J Ashton & S Meyer

Sampling Agency: FDEP SW RCC

Location	Field ID/WIN	G1SW0104	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 06/26/2018 Time 10:40	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)
Field	WIN	Site Name: White Trout Lake @ Center	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.64	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		A
Lat			Temp (C) 31.6	pH 7.82	Sample Depth 0.3	Sp. Conductance (umho/cm) 243		
			Salinity (ppt) 0.11	Comments				
			☐ dd ☐ dms					
Location	Field ID/WIN	G1SW0074	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 06/26/2018 Time 12:35	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field	WIN	Site Name: Lake Ellen	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 8.52	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		A
Lat			Temp (C) 32.2	pH 8.21	Sample Depth 0.3	Sp. Conductance (umho/cm) 260.7		
			Salinity (ppt) 0.12	Comments				
			☐ dd ☐ dms					
Location	Field ID:	G1SW0074_DUP	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 06/26/2018 Time 12:40	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field	Location:	Lake Ellen	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		A
WIN	WIN ID:	G1SW0074	Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)		
Lat			Salinity (ppt)	Comments				
			☐ dd ☐ dms					
Location	Field ID/WIN	BLANK	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 06/26/2018 Time 12:50	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field	WIN	Site Name: Field Blank_06/26/2018	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		A
Lat			Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)		
			Salinity (ppt)	Comments				
			☐ dd ☐ dms					

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Sarah Meyer	06/26/2018 16:00	FedEx	SM 06/26/18 2 1		

Group: A	Bottle Type: P-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS					
Group: A	Bottle Type: BP-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
CHLSUITE-W					
Group: A	Bottle Type: P-250ML-WO-THI	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	3
ECOLI-18QT					
Group: A	Bottle Type: P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: A	Bottle Type: P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	4
W-PO4-F					

H2SO4
LOT# SA7275010
EXP: 10/02/2018