



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
Yes / No

WIN Station Name: Cherry Lake East End

Date: 11/03/2021
(mm/dd/yyyy)

WIN/ Field ID: _____ WBID: _____ Latitude: 30.6154
(Decimal Degrees)

County: _____ ORG ID: 21FLWQA Longitude: -83.4077
(Decimal Degrees)

Receiving Body of Water: _____ RQ-2020- _____

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Check
Blake Spencer	X				
Ken Weaver		X			
Katrina Yancey			X		

Sampling Equipment	
☐ Sample Container	☐ Van Dorn
☐ Syringe	☐ Pole
☐ Dipper	☒ Other <u>Sechi = VOB</u>
Depth Measured with <u>Sonar #1</u>	
Equipment ID _____	

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>exo1</u>	
Photos: <u>Yes</u> / No	Flow: No Flow / Flowing / <u>NA</u>	Tide: Rising/ Falling/ Slack/ <u>NA</u>	Tide Times: High _____ Low _____
Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other: <u>Frotus - see notes</u>			
SBIO ID Numbers:	SBIO-ID:	HA-ID:	RPS-ID:
Macrophyte-ID:		LIMS#:	

Notes: 1 Frotus throw at site; all algae, no plants
Pics taken by Ken Weaver

Duplicate Sample

Time Zone: <u>EST</u> CEN Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: <u>EST</u> CEN Time: _____	Field ID: _____ (Blank Type_DDDMMYYY)
DI Source: _____	Location: _____
☐ Field Blank	☐ Equipment Blank
☐ Field Cleaned Equipment Blank	Equipment ID: _____

LIMS EVENT ID: _____ WIN Import ID: _____
Enter Field Parameters, Verify Station ID In LIMS DMT: _____ (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)



RQ-2020-_____

Customer: _____

Project ID: _____

Collected By: Blake SpencerField Report Prepared By: Katrina YanceySampling Agency: FDEP-WAS

Place Label Here If label is not available write Field ID Field ID: _____							Comments:			
Matrix: <u>Fresh</u> / Marine							(Check one) ☐ GRAB ☐ COMPOSITE			
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT _h)
11/3/21	11:23 <u>EST</u> CST	8.87	98.7	20.55	6.76	0.3	☒ VOB (S)	1.9	49.5	0.02
Cental Lab please use top row for login purposes										
	11:29 <u>EST</u> CST	8.59	95.2	20.37	6.85	1.4			49.5	0.02
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)		☐ W-NH3 / ☐ W-NO2NO3 / ☐ W-TKN / ☐ W-TOC / ☐ W-S-A-TP				☐ Ice ☐ H2SO4*		☐ <2		
		Lot # _____		Exp: _____						
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD				☐ Ice ☐ HNO3*		☐ <2		
		Lot # _____		Exp: _____						
Filtered Nutrients (P125ML)		☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter				☐ Ice				
		Filter Lot # _____								
		Syringe Lot # _____								
Chlorophyll (BP-1L)		☐ CHLSUTE-W				☐ Ice				
Physical/Aggregate (Fresh) (P-1L)		☐ Alkalinity / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY / ☐ W-CHC / ☐ W-COLOR / ☐ W-S04-IC / ☐ W-TDS				☐ Ice				
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / ☐ W-BR-IC / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY				☐ Ice				
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				☐ Formalin				
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☐ E Coli ☐ F Coli ☐ Enterococci				☐ Ice				
		☐ Contract Lab								
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3				☐ Ice				
		☐ PCR-GULL2 ☐ PCR-GFD ☐ See Notes								
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice				
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R				☐ Ice				
		☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)								
Name: <u>Katrina Yancey</u>					Signature: <u>Katrina Yancey</u>			Date: <u>11/03/2021</u>		

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: Cherry Lake North End

Date: 11/03/2021
(mm/dd/yyyy)

WIN/ Field ID: _____

WBID: _____

Latitude: 30.6214
(Decimal Degrees)

County: _____

ORG ID: 21FLWQA

Longitude: -83.4171
(Decimal Degrees)

Receiving Body of Water: _____

RQ-2020- _____

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Blake Spencer	X				
Ken Weaver		X			
Katrina Yancey			X		

Sampling Equipment	
☐ Sample Container	☐ Van Dorn
☐ Syringe	☐ Pole
☐ Dipper	☒ Other <u>Secchi = 2 m</u>
Depth Measured with <u>Sonar #1</u>	
Equipment ID _____	
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>ex01</u>	
Photos: <u>Yes</u> / No	Flow: No Flow / Flowing <u>NA</u>	Tide: Rising/ Falling/ Slack/ <u>NA</u>	Tide Times: High _____ Low _____
Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other: <u>Frotus - see notes</u>			
SBIO ID Numbers: _____	SBIO-ID: _____	HA-ID: _____	RPS-ID: _____
Macrophyte-ID: _____		LIMS#: _____	
Notes: <u>1 Frotus throw at site / found Hydrilla</u> <u>Pics taken by Ken Weaver</u>			

Duplicate Sample

Time Zone: <u>EST</u> <u>CEN</u> Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: <u>EST</u> <u>CEN</u> Time: _____	Field ID: _____ (Blank Type_DDMMYYYY)
DI Source: _____	Location: _____
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID: _____

LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ (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)



RQ-2020-

Customer: _____

Project ID: _____

 Collected By: Blake Spencer
 Field Report Prepared By: Katrina Yancey
 Sampling Agency: FDEP-WAS

Place Label Here If label is not available write Field ID Field ID: _____							Comments:			
Matrix: <u>Fresh</u> / Marine							(Check one) ☐ GRAB ☐ COMPOSITE			
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT _h)
11/3/21	10:50 <u>EST</u> / <u>LST</u>	8.79	97.1	20.24	6.54	0.3	2 ☐ VOB (S)	2.8	49.4	0.02
Cental Lab please use top row for login purposes										
	10:55 <u>EST</u> / <u>CST</u>	8.75	96.5	21.7	6.83	2.3			49.1	0.02
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)		☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☐ Ice ☐ H2SO4*		☐ <2		
		Lot #		Exp:						
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD				☐ Ice ☐ HNO3*		☐ <2		
		Lot #		Exp:						
Filtered Nutrients (P125ML)		☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter				☐ Ice				
		Filter								
		Lot #								
		Syringe								
Chlorophyll (BP-1L)		☐ CHLSUITE-W				☐ Ice				
Physical/Aggregate (Fresh) (P-1L)		☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS				☐ Ice				
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice				
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				☐ Formalin				
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☐ E Coli ☐ F Coli ☐ Enterococci				☐ Ice				
		☐ Contract Lab								
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3				☐ Ice				
		☐ PCR-GULL2 ☐ PCR-GFD ☐ See Notes								
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice				
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R				☐ Ice				
		☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)								
Name: <u>Katrina Yancey</u>					Signature: <u>Katrina Yancey</u>					Date: <u>11/03/2021</u>

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: Cherry Lake West End

Date: 11/03/2021

WIN/ Field ID: _____

WBID: _____

Latitude: 30.6137

(mm/dd/yyyy)

County: _____

ORG ID: 21FLWQA

Longitude: -83.4217

(Decimal Degrees)

(Decimal Degrees)

Receiving Body of Water: _____

RQ-2020- _____

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Blake Spencer	X				
Ken Weaver		X			
Katrina Yancey			X		

Sampling Equipment	
☐ Sample Container	☐ Van Dorn
☐ Syringe	☐ Pole
☐ Dipper	☒ Other <u>seachi = 1.4 m</u>
Depth Measured with <u>Sonar #1</u>	
Equipment ID _____	

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>ex01</u>	
Photos: <u>Yes</u> / No	Flow: No Flow / Flowing / <u>NA</u>	Tide: Rising/ Falling/ Slack/ <u>NA</u>	Tide Times: High _____ Low _____
Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other: <u>Frotus - see notes</u>			
SBIO ID Numbers: _____	SBIO-ID: _____	HA-ID: _____	RPS-ID: _____
Macrophyte-ID: _____		LIMS#: _____	
Notes: <u>1 Frotus throw at site, took pic;</u> <u>Found nitella</u> <u>Pics taken by Ken Weaver</u>			

Duplicate Sample

Time Zone: <u>EST</u> <u>CEN</u> Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: <u>EST</u> <u>CEN</u> Time: _____	Field ID: _____ (Blank Type_DDDMMYYY)
DI Source: _____	Location: _____
☐ Field Blank	☐ Equipment Blank
☐ Field Cleaned Equipment Blank	Equipment ID: _____

LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ (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)



RQ-2020-

Customer: _____

Project ID: _____

Collected By: Blake SpencerField Report Prepared By: Katrina YanceySampling Agency: FDEP - WAS

Place Label Here If label is not available write Field ID Field ID: _____							Comments:			
Matrix: <u>Fresh</u> / Marine							(Check one) ☐ GRAB ☐ COMPOSITE			
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT _h)
11/3/21	10:23	8.41	93.3	20.46	6.75	0.3	1.4	2.4	49.7	0.02
☒ EST / CST										
Cental Lab please use top row for login purposes										
	10:26	8.12	90.0	20.34	6.52	1.9			49.6	0.02
☒ EST / CST										
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)		☐ W-NH3 / ☐ W-NO2NO3 / ☐ W-TKN / ☐ W-TOC / ☐ W-S-A-TP				☐ Ice ☐ H2SO4*		☐ <2		
		Lot # _____		Exp: _____						
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD				☐ Ice ☐ HNO3*		☐ <2		
		Lot # _____		Exp: _____						
Filtered Nutrients (P125ML)		☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter				☐ Ice				
		Filter								
		Lot # _____								
		Syringe								
Chlorophyll (BP-1L)		☐ CHLSUITE-W				☐ Ice				
Physical/Aggregate (Fresh) (P-1L)		☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS				☐ Ice				
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice				
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				☐ Formalin				
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☐ E Coli ☐ F Coli ☐ Enterococci				☐ Ice				
		☐ Contract Lab								
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3				☐ Ice				
		☐ PCR-GULL2 ☐ PCR-GFD ☐ See Notes								
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice				
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI ☐ W-E8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R				☐ Ice				
		☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)								
Name: <u>Katrina Yancey</u>					Signature: <u>Katrina Yancey</u>			Date: <u>11/03/2021</u>		

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: Cherry Lake South End

Date: 11/03/2021
(mm/dd/yyyy)

WIN/ Field ID: _____ WBID: _____ Latitude: 30.6082
(Decimal Degrees)

County: _____ ORG ID: 21FLWQA Longitude: -83.4150
(Decimal Degrees)

Receiving Body of Water: _____ RQ-2020- _____

Sampling Team Members	WQ Measurements	Sample Collection - <u>Frotus</u>	Documentation	Preservation	Preservation Check
Blake Spencer	X				
Ken Weaver		X			
Katrina Yancey			X		

Sampling Equipment	
☐ Sample Container	☐ Van Dorn
☐ Syringe	☐ Pole
☐ Dipper	☒ Other <u>seachi = 2</u>
Depth Measured with <u>sonar #1</u>	
Equipment ID _____	
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>exo1</u>	
Photos: Yes / <u>No</u>	Flow: No Flow / Flowing / <u>NA</u>	Tide: Rising/ Falling/ Slack/ <u>NA</u>	Tide Times: High _____ Low _____
Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other: <u>Frotus - see notes</u>			
SBIO ID Numbers:	SBIO-ID:	HA-ID:	RPS-ID:
Macrophyte-ID:		LIMS#:	

Notes: 1 Frotus throw at site; all algae, no plants

Duplicate Sample

Time Zone: <u>EST</u> <u>CEN</u> Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: <u>EST</u> <u>CEN</u> Time: _____	Field ID: _____ (Blank Type_DDMMYYYY)
DI Source: _____	Location: _____
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID: _____

LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ (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)



RQ-2020-_____

Customer: _____

Project ID: _____

Collected By: Blake SpencerField Report Prepared By: Katrina YanceySampling Agency: FDEP-WAS

Place Label Here If label is not available write Field ID Field ID: _____							Comments:			
Matrix: <u>Fresh</u> / Marine							(Check one) ☐ GRAB ☐ COMPOSITE			
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
11/3/21	11:52	8.39	94.2	21.08	6.41	0.3	2	2.2	53.4	0.02
☒ EST ☐ CST										
Cental Lab please use top row for login purposes										
	11:55	8.41	94.3	20.78	6.73	1.7			49.8	0.02
☒ EST ☐ CST										
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)		☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☐ Ice ☐ H2SO4*		☐ <2		
		Lot #		Exp:						
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD				☐ Ice ☐ HNO3*		☐ <2		
		Lot #		Exp:						
Filtered Nutrients (P125ML)		☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter				☐ Ice				
		Filter								
		Lot #								
Chlorophyll (BP-1L)		☐ CHLSUITE-W				☐ Ice				
Physical/Aggregate (Fresh) (P-1L)		☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS				☐ Ice				
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice				
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				☐ Formalin				
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☐ E Coli ☐ F Coli ☐ Enterococci ☐ Contract Lab				☐ Ice				
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐ See Notes				☐ Ice				
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice				
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)				☐ Ice				
Name: <u>Katrina Yancey</u>					Signature: <u>Katrina Yancey</u>					Date: <u>11/03/2021</u>

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

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

STORET STATION NUMBER:	DATE (M/D/Y) 11/3/21	LAKE NAME Cherry Lake		FIELD ID / NAME:
ECO-REGION:	COUNTY: Madison	SAMPLING LOCATION/DESCRIPTION: Cherry Lake @ Center		LAKE SIZE:
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 ☐ 14	Secchi >3 m Or VOB 20 19 18 17 16	3 2.6 2.2 1.8 1.4 15 14 13 12 11	1.0 0.9 0.8 0.7 0.6 10 9 8 7 6	0.5 0.4 0.3 0.2 0.1 5 4 3 2 1
Vegetation Quality ☐ 7	Diverse, expected native vegetation (emergent or submersed), less than 5% nuisance taxa 20 19 18 17 16	Mostly expected native plants, but moderate growths (6%-20% of lake) of nuisance macrophytes, or more than 50% of lake covered with plants 15 14 13 12 11	Large masses (21%- 40%) of nuisance macrophytes (e.g., Hydrilla, hyacinth, cattail, etc.) or algal mats 10 9 8 7 6	Lake choked (>40%) with nuisance macrophytes (duckweed, hyacinth, etc.) or algal mats, or few plants present at all (e.g., plants removed) 5 4 3 2 1
Stormwater Inputs ☐ 8	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 9 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
Bottom Substrate Quality ☐ 5	Diverse mixture of sand, detritus, with small amounts of CPOM/mud/muck. SAV may be present 20 19 18 17 16	Mixture of sand or clay and detritus with higher % CPOM/mud/muck content. SAV may be present 15 14 13 12 11	Moderate layer of CPOM/ mud/muck, or hardpacked sand only, or moderate algal growth (mats or Chara) on bottom 10 9 8 7 6	Thick deposits of CPOM, or fine detritus and anaerobic muck/mud/silt, or algal growth or nuisance plants (Hydrilla) cover bottom 5 4 3 2 1
Lakeside Adverse Human Alterations ☐ 5	Very few man-made structures, roads, or other disturbance adjacent to lake (<10%) 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) 5 4 3 2 1
Upland Buffer Zone ☐ 6	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 6	< 29% of shoreline with >18m buffer 5 4 3 2 1
Adverse Watershed Land Use ☐ 11	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 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1			
TOTAL SCORE ☐ 58	COMMENTS:			
ANALYSIS DATE: 11/3/2021	ANALYST: Blake Spencer	SIGNATURE:		

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: _____ MACROPHYTE ID: _____ LATITUDE: _____
 COUNTY: _____ STORET #: _____ LONGITUDE: _____
 DATE: 11/03/2021 TIME: 12:11 SAMPLING AGENCY: FDEP-WAS
 SITE NAME: Cherry Lake Center WBID: 3322A
 FIELD ID/NAME: _____ LAKE SIZE: _____ RQ: _____

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>8</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 9 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) 5 4 3 2 1		
BUFFER ZONE <u>8</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 6			< 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 ☐ pH<2 ☐ No Color Sample Taken? ☐ Yes ☒ No Lot # _____ Exp. Date: _____ Alkalinity Sample Taken? ☐ Yes ☒ No Water Level ☐ Low ☒ Normal ☐ High						Water Odors: ☒ Normal ☐ Sewage ☐ Petroleum ☐ Other _____					
Meter Readings: Depth (M) Temp. (°C) pH (SU) D.O. (MG/L) D.O. Sat. (%) Cond. (UMHO/CM) Salinity (PPT) Top: <u>0.3</u> <u>21.2</u> <u>7.52</u> <u>9.16</u> <u>102.7</u> <u>49.3</u> <u>0.02</u> Mid-Depth: <u>2.0</u> <u>20.62</u> <u>7.62</u> <u>9.19</u> <u>102.3</u> <u>49.3</u> <u>0.02</u> Bottom: <u>3.9</u> <u>20.52</u> <u>7.23</u> <u>8.35</u> <u>92.9</u> <u>49.2</u> <u>0.02</u>						Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____					
Meter ID: <u>ex01</u>						Clarity: ☒ Clear ☐ Opaque ☐ Turbid ☐ Slightly Turbid					
Sediment Type: (may check more than one) ☐ Sandy ☐ Organic fibrous (peaty, CPOM) ☐ Vegetated ☐ Sand/Silt ☒ Organic smooth (muck) ☐ Other (Specify): _____						SECCHI (M) <u>2.5</u> Total Station Depth (M) <u>4.4</u>					
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 ☒ Active Vegetation Mgmt? ☒ Yes ☐ No ☐ Don't Know						Abundance: Absent Rare Common Abundant Periphyton ☐ ☐ ☒ ☐ Nuisance Plants ☐ ☐ ☐ ☒ Submersed Plants ☐ ☐ ☐ ☒ Exotic Apple Snails ☒ ☐ ☐ ☐					
Sediment Odors: ☒ Normal ☐ Other (Specify): _____ ☐ Anaerobic						Additional Notes: 4 Frogs throws, very small amount of hydrilla on 2 of the throws.					
Weather Conditions: <u>clear skies, sunny, no wind, warm</u>											
SAMPLING TEAM: <u>Blake Spencer, Ken Weaver, Katrina Yancey</u>						SIGNATURE: <u>Katrina Yancey</u>			DATE: <u>11/03/2021</u>		

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: Fxo #1

RQ-

Project: Cherry Lake Observation

- 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.	Blake Spencer	11/3/21	0729	20.5	760.6	9.0	9.01	100.2	—	1.1277	P/F	L/F
ICV	Blake Spencer	11/3/21	0732	20.5	760.6	9.0	9.06	100.6	—	—	P/F	L/F
CCV	Blake Spencer	11/3/21	1536	20.8	759.8	9.4	9.40	99.4%	—	—	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.	Blake Spencer	11/3/21	0736	210817J	08/2022	1000	1000	P/F	L/F
ICV	Blake Spencer	11/3/21	0738	4103246	03/2023	100	99.5	P/F	L/F
CCV	Blake Spencer	11/3/21	1539	210817J	08/2022	1000	1000	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.	Blake Spencer	11/3/21	0740	210817A	02/2023	7.02	20.8	7.02	73.9	P/F	L/F
Calibr.	Blake Spencer	11/3/21	0743	210817B	02/2023	4.00	20.8	4.00	164.5	P/F	L/F
Calibr.	Blake Spencer	11/3/21	0746	210817F	02/2023	10.05	20.8	10.05	778.9	P/F	L/F
ICV	Blake Spencer	11/3/21	0750	210817B	02/2023	4.00	20.8	4.00	162.7	P/F	L/F
CCV	Blake Spencer	11/3/21	1542	210817F	02/2023	10.05	20.8	10.09	183.8	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: