

Site Name Fuller Lake Middle

Date: 07/11/19

Field ID G3NW0084 Storet G3NW0084

Project: SMP/ TMDL Studies

Visit ID 79984

RQ: 2019-07-08-46

VPDB ID 11425

LIMS ID: 2102728

HA ID 16146

WBID: 959G

☒ LVI

☒ Sample Site Created in SBIO

☒ Phys/Chem entered in SBIO

☒ HA entered in SBIO Initial FB, 7/24/2019

☐ Date and Initial QA: _____

☒ RPS entered in SBIO Initial FB, 7/24/2019

☐ Date and Initial QA: _____

☒ LVI entered in SBIO Initial FB, 7/24/2019

☐ Date and Initial QA: _____

☒ Plants getting verified

Date submitted: 07/11/2019

☒ Plants verified

Date returned: 07/11/2019 In House FB

☐ VPDB authorized in SBIO

☐ Date and Initial: _____

☐ VPDB score: _____

☒ If SMP, scanned into database

Notes.



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Fuller Lake Middle

Date: 7/11/2019
(mm/dd/yyyy)

WIN/ Field ID: G3NW0084

WBID: 959G

Latitude: 30.37284634

County: Walton

ORG ID: 21FLPNS

Longitude: -86.31743107

Receiving Body of Water: Gulf of Mexico

RQ-2019-07-08-46

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Frank Butera					☒	☒	☒	☒	☒
Matt Bearden					☒	☒	☒	☒	☒

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with <u>Sacchi Disc</u>		
Equipment ID		
Collection Method		
☐ Wading	☒ Canoe/Kayak	
☐ From Shore	☒ Electric Motor	
☐ Other	☐ Gasoline Motor	

Water Level: Dry/ Pooled/ Low / Normal High Flooded Meter ID# 154179 Matrix: Fresh Marine/ DI

Photos: Yes / No Flow: No Flow Intestinal / Flowing / 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 (PPT)	Sp COND (umhos/cm)	Temp. (C°)
EST	<u>1225</u>	<u>2.3</u>	<u>0.3</u>	<u>0.0</u>	<u>6.31</u>	<u>85.7</u>	<u>4.97</u>	<u>0.04</u>	<u>87.3</u>	<u>31.4</u>
<u>CEN</u>			<u>1.8</u>		<u>5.80</u>	<u>75.9</u>	<u>4.90</u>	<u>0.04</u>	<u>87.2</u>	<u>29.7</u>

Biological Samples Collected: None FA SCI RPS Algae ID LVS CVI Other:

SBIO ID Numbers: SBIO-ID: 79984 HA-ID: 16146 RPS-ID: Macrophyte-ID: LIMS#: 2102728

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	SA8344070	12/10/2019	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3	NA9099030	04/09/2020	☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter	☒ Ice	16570048		
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-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☒ E Coll ☐ F Coll ☐ 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-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C				

Notes: No metals sample required for this event.

Field/WIN ID → G3NW0084

Location: Fuller Lake Middle

Signature: [Signature] Date: 7/11/2019

LIMS EVENT ID: WIN Import ID: Enter Field Parameters, Verify Station ID in LIMS DMT: QC Station ID, Field Parameters in LIMS DMT: Scan/Save Field Sheets Migrate Data to WIN: Verify Data in WIN:

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 79984 MACROPHYTE ID: _____ LATITUDE: N 30.37284634
 COUNTY: Walton (Miramar Beach) STORET #: G3NW0084 LONGITUDE: W -86.31743107
 DATE: 7/11/2019 TIME: 12:25 CTZ SAMPLING AGENCY: FL DEP - NWROC (21FLPNS)
 SITE NAME: Fuller Lake Middle WBID: 959G
 FIELD ID/NAME: G3NW0084 LAKE SIZE: 45 RQ: 2019-07-08-46

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)
☒	☒	☐	☐	☒	☒	☐	☐

Local Watershed Erosion (select one) : ☐ None ☐ Slight ☐ Moderate ☐ Heavy
 Local Watershed NPS Pollution : ☐ No evidence ☐ Slight ☐ Moderate ☐ Heavy ☐ Yes ☒ No

LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer)
 LDI:

Artificially Impounded ☐ Yes ☒ No

STORMWATER INPUTS

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

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

LAKESIDE ALTERATIONS

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

Very few man-made structures, roads, or other disturbance adjacent to lake (<10% lakeside affected)
 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)

BUFFER ZONE

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

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

WATER / SUBSTRATE / BIOLOGICAL: SAMPLES AND OBSERVATIONS

Water:
 Nutrient Sample Taken? ☒ Yes ☐ No Preserved? ☒ Yes ☐ No 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 _____

Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____

Meter Readings:

	Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat. (%)	Cond. (UMHO/CM)	Salinity (PPT)
Top:	12.25	31.4	4.97	6.31	85.7	87.3	0.04
Mid-Depth:	0.3						
Bottom:	1.8	29.7	4.90	5.80	75.9	87.2	0.04

Meter ID: 154079

Clarity: ☒ Clear ☐ Opaque ☐ Turbid ☒ Slightly Turbid
Color: ☐ Clear ☒ Tannic ☐ Green

SECCHI (M) 0.6 **Total Station Depth (M)** 2.3
VOB ☐

Sediment Type: (may check more than one)
☐ Sandy ☐ Organic fibrous (peaty, CPOM) ☐ Vegetated
☐ Sand/Silt ☒ Organic smooth (muck) ☐ Other (Specify): _____

Sample Taken? ☐ Yes ☒ No

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
 Active Vegetation Mgmt? ☒ Yes ☐ No ☐ Don't Know

Abundance:

	Absent	Rare	Common	Abundant
Periphyton	☐	☒	☐	☐
Nuisance Plants	☐	☐	☐	☒
Submersed Plants	☐	☐	☐	☒
Exotic Apple Snails	☒	☐	☐	☐

Additional Notes:
 Panicum repens
 HOA currently spraying it.

Weather Conditions :

SAMPLING TEAM: Frank Butera, Matt Bearden **SIGNATURE:** [Signature] **DATE:** 7/11/2019

STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION
Lake Habitat Assessment Field Sheet

Store/ WIN ID NUMBER: G3NW0084	DATE (M/D/Y): 07/11/2019	LAKE NAME: Fuller Lake Middle		FIELD ID / NAME: G3NW0084
WBID: 959G	COUNTY: Walton	SAMPLING LOCATION/DESCRIPTION: Miramar Beach, FL		LAKE SIZE: 45 Acres
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. Secchi(m)	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
	Or YOB 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)
	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
	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
	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)
	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 >18m 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
	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			
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
TOTAL SCORE	105			
COMMENTS:	Tannic			

ANALYSIS DATE: 7/11/19	ANALYST: Frank Butera,	SIGNATURE: <i>Frank Butera</i>
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SBIO ID: 79984

HA ID: 16146

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: Fuller Lake (Middle)					County: Walton (Miramar Beach)					Date: 07/11/2019				
Analyst: F. Butera					Signature: <i>[Signature]</i>					STORET: G3NW0084				
Except where noted as "sp." species level identification required. *Genera that may require lab verification* Plants in bold= FLEPPC invasive exotic.										Lake units sampled (circle one group): 1, 4, 7, 10 2, 5, 8, 11 3, 6, 9, 12				
It is important to note dominant or co-dominant taxa (by areal extent) for each unit. Use "D" to denote dominant taxon, or "C" for the 2 co-dominant taxa.														
SBIO ID <u>79984</u>	3	6	9	12	Collect ed? (✓)	Macro ID	3	6	9	12	Collect ed? (✓)			
SPECIES						SPECIES								
Acer rubrum						Habenaria repens								
Alternanthera philoxeroides						Hydrilla verticillata								
Andropogon sp.						Hydrocotyle sp.								
Azolla filiculoides (A. caroliniana)						Hygrophila polysperma								
Baccharis sp.						*Hypericum fasciculatum								
Bacopa caroliniana						*Hypericum hypericoides								
Bacopa monnieri						*Hypericum myrtifolium								
Bidens laevis						Ilex cassine								
Bidens mitis						Ipomoea aquatica								
Blechnum serrulatum						Ipomoea sagittata								
Boehmeria cylindrica						Itea virginica								
Brasenia schreberi						Juncus effusus								
Cabomba caroliniana						*Juncus marginatus								
Casuarina equisetifolia						*Juncus megacephalus								
Centella asiatica						Juncus repens								
Cephalanthus occidentalis						*Juncus scirpoides								
Ceratophyllum demersum						Lachnanthes caroliniana								
Chara sp.						Leersia hexandra								
Cladium jamaicense						Landoltia punctata (Spiro. punctata)								
Cliftonia monophylla						Lemna sp.								
Colocasia esculenta						Leucothoe racemosa (E. racemosa)								
*Commelina						Limnium spongia								
Crinum americanum						Limnophila sessiliflora								
* Cyperus alternifolius (C. involucratus)						Liquidambar styraciflua								
Cyperus articulatus						*Ludwigia arcuata								
Cyperus haspan						*Ludwigia leptocarpa								
*Cyperus lecontei						*Ludwigia linearis								
*Cyperus polystachyos						*Ludwigia octovalvis								
*Cyperus odoratus						* Ludwigia peruviana								
*Cyperus surinamensis						*Ludwigia repens								
Cyrilla racemiflora						*Ludwigia								
Decodon verticillatus						Luziola fluitans (H. carolinensis)								
Diodia virginiana						Lyonia lucida								
*Echinochloa crus-galli						Magnolia virginiana								
*Echinochloa muricatum						Mayaca fluviatilis								
Echinochloa walteri						Melaleuca quinquenervia								
Eclipta prostrata (E. alba)						Micranthemum glomeratum								
Egeria densa						Micranthemum umbrosum								
Eichhornia crassipes						Mikania scandens								
*Eleocharis baldwinii						Mimosa pigra								
*Eleocharis <i>V. v. v.</i>						Myrica cerifera								
Eleocharis cellulosa						<i>Hypericum brachyph</i>								
Eleocharis equisetoides						<i>Unk. Ludwigia?</i>								
Eleocharis interstincta						<i>Stroph. b. b.</i>								
*Eriocaulon compressum						<i>Stroph. b. b.</i>								
*Eriocaulon decangulare						<i>Stroph. b. b.</i>								
Eupatorium capillifolium						<i>Stroph. b. b.</i>								
*Fuirena						<i>Stroph. b. b.</i>								
Fuirena scirpoidea														
Gordonia lasianthus														

RQ-2019-07-08-46

LIMS ID 210278

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

Waterbody: Fuller Lake Storet: G3NW0084						Date:	SBIO ID		Macro ID		
SPECIES	3	6	9	12	Collect ed? (√)	SPECIES	3	6	9	12	Collect ed? (√)
Myriophyllum aquaticum						Salix caroliniana	↑				
*Myriophyllum heterophyllum						Salvinia minima					
*Myriophyllum laxum						Sambucus canadensis					
*Myriophyllum pinnatum						Sapium sebiferum					
Myriophyllum spicatum						Saururus cernuus					
*Najas filifolia						Schinus terebinthifolius					
*Najas guadalupensis						*Schoenoplectus californicus					
*Najas minor						*Schoenoplectus pungens					
Nelumbo lutea						*Schoenoplectus tabernaemontani					
Nitella spp.						Scirpus cubensis (Oxycaryon cubense)					
Nuphar sp.	1	2	1			Scirpus cyperinus					
Nymphaea odorata	1	2	1			*Sesbania					
Nymphoides aquatica	1	2	1			Solidago sp.					
Nyssa sylvatica var. biflora						Sparganium americanum					
Orontium aquaticum						Spartina bakeri					
Osmunda cinnamomea	1	1				Spirodela polyrhiza					
Osmunda regalis						Taxodium sp.					
Panicum hemitomon						Thalia geniculata					
Panicum repens	1	2	1	1		Thelypteris palustris					
Paspalidium geminatum						Triadenum virginicum	1		1	1	
*Paspalum repens						Typha sp.	1				
Paspalum urvillei						Urochloa mutica (Brachiaria mutica)					
Peltandra sp.						*Utricularia gibba (U. biflora)					
Persea sp.						*Utricularia floridana	1	1	1	1	
Pennisetum purpureum						*Utricularia foliosa					
Phragmites australis						*Utricularia inflata					
Pinus elliotii						*Utricularia purpurea					
Pistia stratioides						*Utricularia cornuta					
Pluchea sp.						*Utricularia radiata					
*Polygonum glabrum (densiflorum)						Vallisneria americana					
*Polygonum hydropiperoides						*Websteria confervoides					
*Polygonum punctatum						Wedelia trilobata (Sphag. trilobata)					
*Polygonum						Wolffiella spp.					
Pontederia cordata	1	1	1	1		Woodwardia virginica					
*Potamogeton diversifolius						Xyris sp.					
*Potamogeton illinoensis						Zizania aquatica		1	1	1	
*Potamogeton pusillus						Zizaniopsis milacea					
*Potamogeton pectinatus (Stuck. pectinatus)						Lycopus racibolii	1	1	1	1	
Proserpinaca pectinata											
*Rhexia											
*Rhynchospora corniculata											
*Rhynchospora inundata											
Rhynchospora tracyi											
Ricciocarpus natans											
Sabal palmetto											
Sacciolepis striata											
*Sagittaria filiformis											
*Sagittaria graminea											
*Sagittaria isoetiformis		</									

Station: Fuller Lake Middle
 GPS Dec. 30.37285 x -86.31743
 Storet: G4NW0084 WBID 959G
 Sample ID : 79844
 Macro ID: 11425

Sampled : 07/11/2019
 Sampled By. F.Butera, M. Bearden
 Location. Santa Rosa Beach, Walton Co.
 Receiving Waters: Gulf of Mexico
 LIMS ID: 2102728

	Taxa	3	6	9	12	Coll.	Verified
1	<i>Brasenia schreberi</i>	1	1	1	1		
2	<i>Cephalanthus occidentalis</i>	1	1	1			
3	<i>Cladium jamaicense</i>	C		C	D		
4	<i>Cyrilla racemiflora</i>		1	1	1		
5	<i>Eleocharis baldwinii</i>		1		1	Y	FB Lab
6	<i>Eleocharis equisetoides</i>	1	1	1	1		
7	<i>Eleocharis vivipara</i> (submersed)		1		1		
8	<i>Eupatorium capillifolium</i>	1					
9	<i>Fuirena scirpoidea</i>	1	1	1	1		
10	<i>Hydrocotyle</i> sp.			1	1		
11	<i>Hypericum brachyphyllum</i>	1	1	1	1		
12	<i>Lachnanthes carolina</i>				1		
13	<i>Ludwigia</i> (Unknown Nativity)*	1				Y	FB Lab
14	<i>Myrica cerifera</i>	1		1			
15	<i>Nuphar</i> sp.	1	1	1			
16	<i>Nymphaea odorata</i>	1	1	1			
17	<i>Nymphoides aquatica</i>	1	1	1			
18	<i>Osmunda cinnamomoea</i>	1	1				
19	<i>Panicum hemitomon</i>		1				
20	<i>Panicum repens</i>		C	1	1		
21	<i>Pontederia cordata</i>	1	1	1	1		
22	<i>Sagittaria lancifolia</i>	1	1		1		
23	<i>Salix carolinana</i>	1					
24	<i>Triadenum virginicum</i>	1		1	1		
25	<i>Typha</i> sp.	1					
26	<i>Utricularia floridana</i>	C	C	C	1		
27	<i>Zizaniopsis milaceae</i>		1	1	1	Y	FB Lab
	Taxa per section	18	17	16	15	Herb. Taxa	22
	Exotic Present	0	0	0	0	Woody Taxa	4
	Avg. taxa per section	17				Ferns	1
	sections with exotics	3				Macro Algae	0
	Exotic Taxa	1	Exotics per Section: 0.75			Total Taxa	27

DEP-SOP-001/01
FS 7000 General Biological Community Sampling

Form FD 9000-2: COMPOSITE LAKE SAMPLING SHEET (< 1000 ACRES)

Date: 7/11/2019	Name of Lake: Fuller Lake Middle	Gear used: PONAR	EKMAN	OTHER	
Comments:					
Drop #	Depth (m)	Sediment Type (circle all that apply)	Drop #	Depth (m)	Sediment Type (circle all that apply)
1		sand, silt/clay, CPOM, muck, SAV	7		sand, silt/clay, CPOM, muck, SAV
2		sand, silt/clay, CPOM, muck, SAV	8		sand, silt/clay, CPOM, muck, SAV
3		sand, silt/clay, CPOM, muck, SAV	9		sand, silt/clay, CPOM, muck, SAV
4	2.3	sand, silt/clay, CPOM, muck, SAV	10		sand, silt/clay, CPOM, muck, SAV
5		sand, silt/clay, CPOM, muck, SAV	11		sand, silt/clay, CPOM, muck, SAV
6		sand, silt/clay, CPOM, muck, SAV	12		sand, silt/clay, CPOM, muck, SAV

CPOM = coarse particulate organic matter; SAV = submerged aquatic vegetation

WIN ID: G3NW0084

Field ID G3NW0084

Project: TMDL Studies (SMP 2018)

SBIO ID:

WBID 959G

Paste map here and show location of each dredge drop and where water chemistry parameters were collected.

Revision Date: February 1, 2004

Photo Log

Storet G3NW0084

Station Name: Fuller Lake

Date: 07/11/2019

Samplers: F. Butera, M. Bearden

1 Ludwigia 1

2 Ludwigia 2

3 East

4 Shoreline Veg.

5

6

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14

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16

17

Notes.