

Site Name Merial Lake, Center

Date: 06/12/2019

Field ID G3NW0201 Storet G3NW0201

Project: Reference Lakes

Visit ID 79810

RQ: 2019-06-10-30

VPDB ID 11389

LIMS ID: 2095096

HA ID 16057

WBID: 966

☒ LVI

☒ Sample Site Created in SBIO

☒ Phys/Chem entered in SBIO

☒ HA entered in SBIO Initial FB 6/13/19

☒ Date and Initial QA: 6/24/19 JS

☐ RPS entered in SBIO Initial _____

☐ Date and Initial QA: _____

☒ LVI entered in SBIO Initial FB 6/20/2019

☒ Date and Initial QA: 6/24/19 JS

☒ Plants getting verified

Date submitted: In House

☐ Plants verified

Date returned: FB Inter

☒ VPDB authorized in SBIO

☒ Date and Initial: 6/24/2019

☒ VPDB score: LVI = 83

☒ If SMP, scanned into database



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name:

Merial Lake, Center

Date:

06/12/2019
(mm/dd/yyyy)

WIN/ Field ID:

G3NW0201

WBID:

FB 547-966

Latitude: 30.38873

County:

Bay

ORG ID:

21FLPNS

Longitude:

85.36765
(Decimal Degrees)
85.67649
(Decimal Degrees)

Receiving Body of Water:

St. Andrew's Bay

RQ-2019- 06-10-30

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment		
Frank Butera										☒ Sample Container	☐ Van Dorn	☐ Pole
Jimmy Pitts										☐ Carboy	☒ Syringe	
										☐ Dipper	☐ Other	
										Depth Measured with Equipment ID: 154179		
										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 / Intertidal / 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	12:15	6.8	4.3	3.4	8.12	106.3	7.04	4.4	17.4	29.6
CEN	12:24		6.3		8.55	6.3	5.23	4.4	20.3	23.7

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

SPIO ID Numbers: SBIO-ID: 79810 HA-ID: 16057 RPS-ID: N/A Macrophyte-ID: 11389 LIMS#: 2095496

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-CI-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-Coli ☐ F-Coli ☐ 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 ☐ W-E8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DITY-QN-C ☐ PKD-QN-C	☐ Ice			

Notes: 30-23-19.533
85-44-35.355

Field/WIN ID: G3NW0201

Location: Merial Lake, Center

Signature: Frank Butera Date: 06/12/2019

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 FB/06-20-2019 (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 79810 MACROPHYTE ID: _____ LATITUDE: N 30.36765
 COUNTY: Bay (Vicksburg) STORET #: G3NW0201 LONGITUDE: ~~W 85.36765~~ W. -85.67049
 DATE: 06/12/2019 TIME: 10:15 SAMPLING AGENCY: FL DEP - NWROC
 SITE NAME: Z1-LL-13001 (Andrew's Lake) Merial Lake Center WBID: 966
 FIELD ID/NAME: Z1-LL-13001-G3NW0201 LAKE SIZE: 225 RQ: 2019-06-10-30

WATERSHED / LAKESIDE FEATURES

LIMS 2095496

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: <u>N/A</u> Land Use Source & Year: _____	
Local Watershed Erosion (select one): ☒ None ☐ Slight ☐ Moderate ☐ Heavy Local Watershed NPS Pollution: ☒ No evidence ☐ Slight ☐ Moderate ☐ Heavy				Artificially Impounded: ☐ Yes ☒ No	
STORMWATER INPUTS <u>13</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 <u>13</u> 12 11	
LAKESIDE ALTERATIONS <u>+3 16</u>		Very few man-made structures, roads, or other disturbance adjacent to lake (<10% lakeside affected) 20 19 18 17 <u>16</u>		Moderate disturbance visible - structures, roads or other (10%-49% lakeside affected) 15 14 13 12 11	
BUFFER ZONE <u>16</u>		Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer 20 19 18 17 <u>16</u>		89%-51% of shoreline with >18m buffer or >75% with 10m to 18m buffer 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	
				Many structures, roads or other human disturbance visible (50%-70% lakeside affected) 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	
				Highly developed or disturbed (>70% of lakeside affected) 5 4 3 2 1	
				< 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 # _____ Exp. Date: _____ Alkalinity Sample Taken? ☒ Yes ☐ No Water Level ☐ Low ☐ Normal ☒ High				Water Odors: ☒ Normal ☐ Sewage ☐ Petroleum ☐ Other _____			
Meter Readings: Top: <u>0.3</u> <u>29.6</u> <u>7.04</u> <u>8.12</u> <u>106.3</u> <u>17.0</u> <u>0.01</u> Mid-Depth: _____ Bottom: <u>6.3</u> <u>23.7</u> <u>5.23</u> <u>0.55</u> <u>6.3</u> <u>20.3</u> <u>0.01</u> Meter ID: <u>154179</u>				Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____			
Sediment Type: (may check more than one) ☐ Sandy ☐ Organic fibrous (peaty, CPOM) ☒ Vegetated ☒ Sand/Silt ☒ Organic smooth (muck) ☐ Other (Specify): _____				Clarity: ☒ Clear ☐ Opaque ☐ Turbid ☐ Slightly Turbid Color: ☒ Clear ☐ Tannic ☒ Green <u>FS</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 ☒ No Active Vegetation Mgmt? ☐ Yes ☐ No ☐ Don't Know				SECCHI (M) <u>3.0</u> Total Station Depth (M) <u>6.8</u> VOB ☐			
Abundance: Absent Rare Common Abundant Periphyton ☐ ☒ ☐ ☐ Nuisance Plants ☒ ☐ ☐ ☐ Submersed Plants ☐ ☐ ☐ ☒ Exotic Apple Snails ☒ ☐ ☐ ☐				Sediment Odors: ☒ Normal ☐ Anaerobic ☐ Other (Specify): _____			
Weather Conditions: <u>Sunny w/ clouds - Upper 80's, low 90's.</u>				Additional Notes: <u>Previous Survey at sheet 3621 by R. Fry in 2005</u>			
SAMPLING TEAM: Frank Butera, Jimmy Pitts				SIGNATURE: <u>[Signature]</u>		DATE: <u>6/12/19</u>	

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

STORET STATION NUMBER: G3NW0201	DATE (M/D/Y) 6/12/2019	LAKE NAME Merial Lake, Center		FIELD ID / NAME: G3NW0201
ECO-REGION: WBID 966	COUNTY: Bay	SAMPLING LOCATION/DESCRIPTION: Merial Lake, Center		LAKE SIZE: 225
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) 20 19 18 17 16 16	3 2.6 2.2 1.8 1.4 15 14 13 12 11 13	1.0 0.9 0.8 0.7 0.6 10 9 8 7 6 6	0.5 0.4 0.3 0.2 0.1 5 4 3 2 1 1
Vegetation Quality	Diverse, expected native vegetation (emergent or submersed), less than 5% nuisance taxa 20 19 18 17 16 18	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 13	Large masses (21%-40%) of nuisance macrophytes (e.g., Hydrilla, hyacinth, cattail, etc.) or algal mats 10 9 8 7 6 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 1
Stormwater Inputs	Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation 20 19 18 17 16 13	Some direct stormwater inputs (ditches, pipes, cultivated vegetation < 10%) but good BMPs in place 15 14 13 12 11 13	Moderate direct inputs of stormwater (ditches, pipes, cultivated vegetation 11%-50%) but few BMPs in place 10 9 8 7 6 6	Much direct input of stormwater (ditches, pipes, cultivated vegetation > 51%) and no or ineffective BMPs in place 5 4 3 2 1 1
Bottom Substrate Quality	Diverse mixture of sand, detritus, with small amounts of CPOM/mud/muck. SAV may be present 20 19 18 17 16 18	Mixture of sand or clay and detritus with higher % CPOM/mud/muck content. SAV may be present 15 14 13 12 11 13	Moderate layer of CPOM/mud/muck, or hardpacked sand only, or moderate algal growth (mats or Chara) on bottom 10 9 8 7 6 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 1
Lakeside Adverse Human Alterations	Very few man-made structures, roads, or other disturbance adjacent to lake (<10%) 20 19 18 17 16 6	Moderate disturbance visible (structures, roads or other), 10%-49% lakeside affected 15 14 13 12 11 11	Many structures, roads or other human disturbance visible (50%-70%) lakeside affected 10 9 8 7 6 6	Highly developed or disturbed (>70% of lakeside affected) 5 4 3 2 1 1
Upland Buffer Zone	Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer 20 19 18 17 16 16	89%-51% of shoreline with >18m buffer or >75% with 10m to 18m buffer 15 14 13 12 11 11	50%-30% of shoreline with >18m buffer or 50%-74% with 10m to 18m buffer 10 9 8 7 6 6	< 29% of shoreline with >18m buffer 5 4 3 2 1 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, Sand mine, Storage Tank Contaminant, Closed Waste Cleanup, Trachis - Hazard 20 19 18 17 16 12			

TOTAL SCORE

109

COMMENTS:

Problem
 Sand mine, Storage Tank Contaminant; Closed Waste Cleanup, Trachis - Hazard
Compliance/Enforcement

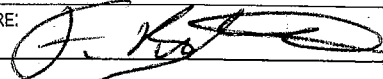
ANALYSIS DATE:

6/12/19

ANALYST:

F. Butera

SIGNATURE:



SBIO ID:

79910

H.A. ID:

16057

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: Merial Lake, Center				County: Bay (Vicksburg)				Date: 6/12/19			
Analyst: F. Butera				Signature: <i>[Signature]</i>				STORET: G3NW0201			
Except where noted as "sp." species level identification required. *Genera that may require lab verification* Plants in bold = FLEPPC invasive exotic. 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.								Lake units sampled (circle one group): 1, 4, 7, 10 2, 5, 8, 11 3, 6, 9, 12			
SBIO ID 79810	3	6	9	12	Collect ed? (✓)	Macro ID _____	3	6	9	12	Collect ed? (✓)
SPECIES						SPECIES					
Acer rubrum			1			Habenaria repens					
Alternanthera philoxeroides						Hydrilla verticillata					
Andropogon sp.						Hydrocotyle sp.					
Azolla filiculoides (A. caroliniana)						Hygrophila polysperma					
Baccharis sp.						*Hypericum fasciculatum					
Bacopa caroliniana	1	1	1			*Hypericum hypericoides					
Bacopa monnieri						*Hypericum myrtifolium					
Bidens laevis						Ilex coccinea <i>Myalefolia</i>	1		1		✓ <i>hug</i>
Bidens mitis						Ipomoea aquatica					
Blechnum serrulatum						Ipomoea sagittata					
Boehmeria cylindrica						Itea virginica					
Brasenia schreberi						Juncus effusus	1	1	1	1	
Cabomba caroliniana						*Juncus marginatus					
Casuarina equisetifolia						*Juncus megacephalus					
Centella asiatica						Juncus repens					
Cephalanthus occidentalis			1	1		*Juncus scirpoides					
Ceratophyllum demersum						Lachnanthes caroliniana					
Chara sp.						Leersia hexandra	1	1	1	1	
Cladium jamaicense						Landoltia punctata (Spiro. punctata)					
Cliftonia monophylla	1	1	1	1	✓	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					
Cyrtilla racemiflora			1			*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						Myrica cerifera					
Eleocharis cellulosa						<i>Hypericum lissu</i>	1	1	1	C	✓
Eleocharis equisetoides						<i>Sparganium angustifolium</i>					
Eleocharis interstincta						<i>7</i>					
*Eriocaulon compressum						<i>Smilax latifolia</i>					
*Eriocaulon decangulare											
Eupatorium capillifolium											
*Fuirena											
Fuirena scirpoidea	1	1	1	1	✓						
Gordonia lasianthus											

LIMS: 2095096

Rel. 2019-06-10-30

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET[illegible]

LIMS ID 2095096

122. 2019-06-10-30

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

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

Date: 06/12/19	Name of Lake: Merial Lake	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	4.6	sand, silt/clay, CPOM, muck, SAV	9		sand, silt/clay, CPOM, muck, SAV
4		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	5.0	sand, silt/clay, CPOM, muck, SAV	12	3.9	sand, silt/clay, CPOM, muck, SAV

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

Storet G3NW0201

Field ID G3NW0201

Project. Reference Lakes

SBIO ID:

WBID 225

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

Ref:
Dep:

Date: 29 May 19
Wgt: 10.00 LBS
DV: 0.00

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Byes: PRIORITY OVERNIGHT
TRCK: 4751 8780 2855

✓ TLH
6/13/2019 10:11
CTZ

Revision Date: February 1, 2004

Photo Log

Storet G3NW0201

Station Name: Merial Lake, Center

Date: 06/12/2019

Samplers: F. Butera, J. Pitts

- 1 H. lissophony flower
- 2 Data Sheet
- 3 Shoreline 12
- 4 Section 3 - East
- 5 Section 6 - South
- 6 Section 8-9 line - South
- 7 Section 9 - NNW
- 8 Section 9 - NW
- 9 ~~Section 12 - FS~~
- 10 Shore North
- 11 Shore East
- 12 Shore South
- 13 Shore - West
- 14
- 15
- 16
- 17

Notes.

Station: Merial Lake, Center
 GPS Dec. 30.36765 x -85.67649
 Storet: G3NW0201 WBID 966
 Sample ID : 79810
 Macro ID: 11389

Sampled : 06/12/2019
 Sampled By: F. Butera, J. Pitts
 Location: Vicksburg, Bay Co. FL
 Receiving Waters: St. Andrew's Bay
 LIMS ID: 2095096

	Taxa	3	6	9	12	Coll.
1	<i>Acer rubrum</i>			1		
2	<i>Bacopa caroliniana</i>	1	1	1		
3	<i>Cephalanthus occidentalis</i>			1	1	
4	<i>Cyrilla racemiflora</i>			1		
5	<i>Fuirena scirpoidea</i>	1	1	1	1	Y
6	<i>Hypericum lissophloeus</i>	1	1	1	C	Y
7	<i>Ilex myrtifolia</i> Walter	1			1	Y
8	<i>Juncus effusus</i>	1	1	1	1	
9	<i>Leersia hexandra</i>	1	1	1	1	
10	<i>Nymphaea odorata</i>	1	1	1		
11	<i>Pinus elliotii</i> (Slash)		1	1		
12	<i>Sabal palmetto</i>			1	1	
13	<i>Sacciolepis striata</i>	1	C	C	C	
14	<i>Smilax laurifolia</i>		1		1	
15	<i>Utricularia floridana</i>	D	C	C	1	
	Taxa per section	9	10	13	10	
	Exotic Present	0	0	0	0	
	Avg. taxa per section	11				
	sections with exotics	0				
	Exotic Taxa		Exotics per Section: 0.0			

Private Boat Ramp
Lake Merial, Inc.

L. 30.39293 x -85.68062

A. 30.39144722 x -85.67602

Merial Lake, Center
G3NW0201, WBID 966
~~30.38873 x -85.36765~~
Ref Lakes 2017

B. 30.38970 x -85.67192

C. 30.39019 x -85.66939

D. 30.38801
-85.66552

E. 30.38503
-85.66748

F. 30.38481
-85.6716

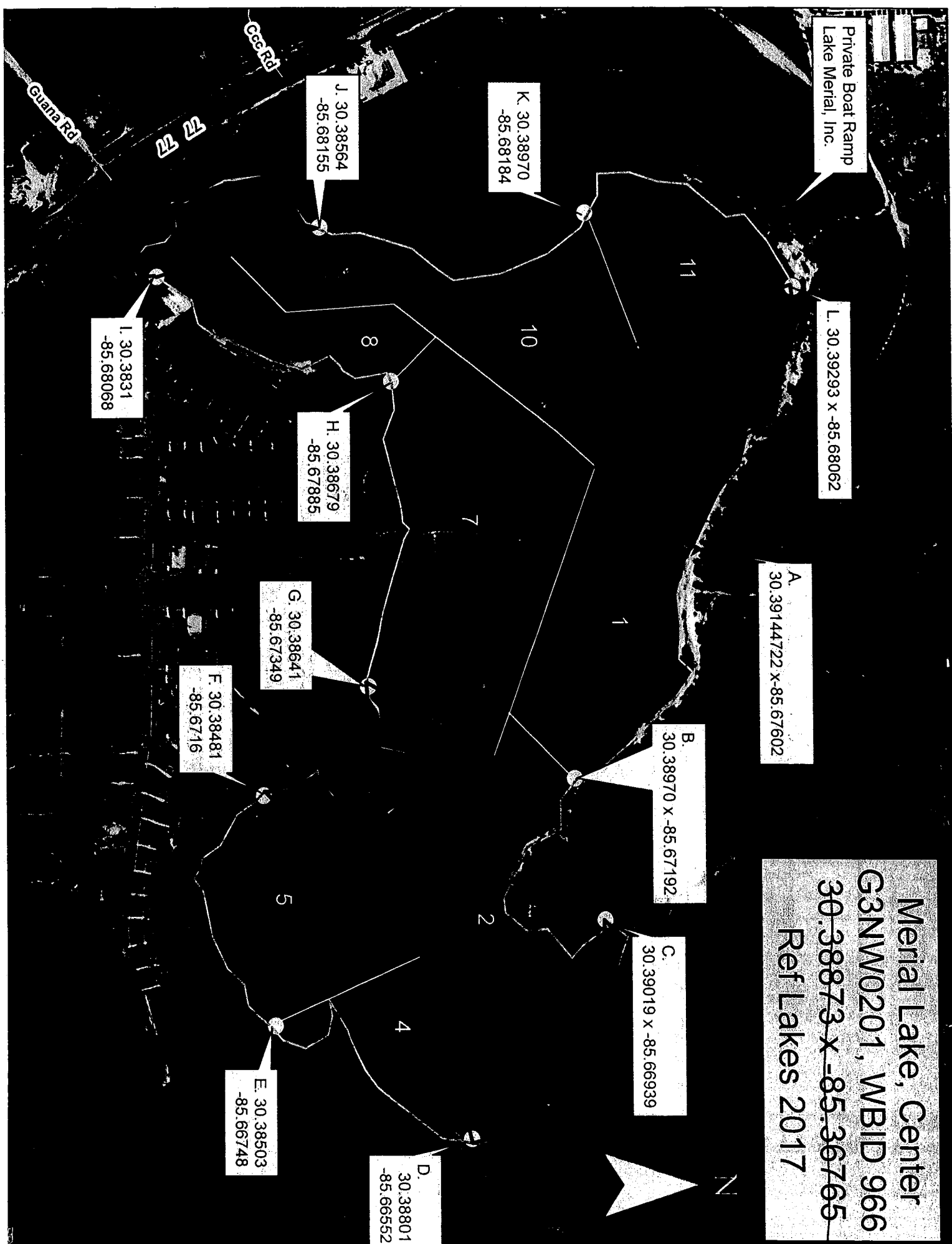
G. 30.38641
-85.67349

H. 30.38679
-85.67885

K. 30.38970
-85.68184

J. 30.38564
-85.68155

I. 30.3831
-85.68068



Merial Lake, Center

WIN ID G3NW0201
Receiving Water Floridian Aquifer
Basin / WBID St. Andrew's Bay/ 966
City, County Vicksburg, Bay
Lake Acreage 225
Circumference (M) 6074
Seg. Length (M) 506.1666667

Location	Dec. Latt.	Dec. Long.
Storet	30.38873	-85.66765
A	30.39144	85.67602
B	30.38970	85.67192
C	30.39019	85.66939
D	30.38810	85.66552
E	30.38503	85.66748
F	30.38481	85.67160
G	30.38641	85.67349
H	30.38679	85.67885
I	30.38310	85.68068
J	30.38564	85.68155
K	30.38970	85.68184
L	30.39293	85.68062

Boat Ramp	30.392859	85.68199639
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Merial Lake, Center
G3NW0201. WBID 966
Vicksburg, Bay
Project. Reference Lakes

G3NW0201

