



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

STRATEGIC MONITORING PLAN Field Sheet

July 2022

Meter
Passed End
of Day CCV

Yes ☒ No ☐

WIN Station Name:		BEAR LAKE (CENTER)				Sample Date:		5/16/2023	
WIN / Field ID:	G4NW0361	ORG ID:	21FLPNS	ENR:		Latitude:	30.86349		
County:	SANTA ROSA	WBID:	179A	LAKE	3F	Longitude:	-86.83052		
Receiving Body of Water:						-	RQ-	2023-05-15-38	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Frank Butera	x		x		
Myranda Butler		x		x	x

Sampling Equipment			
x	Sample Container		Carboy
	Dipper		Van Dorn
	Syringe		Pole
Syringe Lot# 1363514		Filter Lot# 17460495	
Secchi Equipment ID:		BFA	
Collection Method			
	Wading		Canoe/Kayak
	From Shore		Electric Motor
		x	Gasoline Motor
Depth Measured With Meter			

Water Level:	Normal
Flow:	NA
Matrix:	Fresh
Tide Stage:	
High Tide:	
Low Tide:	
Photos:	Yes
Meter ID:	154179 (ProDSS)
Depth Gauge ID:	depth_gauge

Time Zone	Time	Total Depth (m)	Sample Depth (m)	DO (mg/L)	DO (%SAT)	Temp. (°C)	pH	Secchi Disk (m)	Sp COND (µmhos/cm)	Salinity (PPTth)
CEN	1152	3.7	0.3	9.09	117.4	28.8	7.43	3	23.1	0.01
	1212		2	10.6	132.4	26.6	7.15		23.1	0.01
	1208		3.2	8.61	103.7	23.6	5.66		23.1	0.01

Biological Samples Collected:		HA	LVI
SBIO Visit ID: 86651	HA ID: 18339	RPS ID: N/A	Macrophyte ID: 12438
LIMS Sample ID Entered Into The Macrophyte Module: 2410419			

Parameter Suite	Parameter Methods (LIMS Test Codes)			Preservation				
				Type	Lot#	Expiration Date	pH Check	
Microbiology								
Chlorophyll	CHLSUITE-W			ICE				
Physical/Aggregate Nutrients	ALKALINITY, TURBIDITY, W-F, W-TSS W-CL-IC, W-COLOR, W-SO4-IC, W-TDS			ICE				
Filtered Nutrients	W-PO4-F	Field Filtered 0.45 µm Filter		ICE	Syringe Lot#:1363514; Filter Lot#:17460495			
Acid Preserved Nutrients	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP			ICE	H2SO4*	SA2229040	11/04/2023	H2SO4 pH<2
Metals	W-ICPMS	W-ICP	W-HARD	ICE	HNO3**	NA2126030	06/02/2023	HNO3 pH<2
Organics (LC)	W-E8321-DI	W-E8321-MS		Ice				
Macroinvertebrates								
Organics (GC)	W-PSNP-TQ	W-TR-SQ-R		Ice	*2.0 ml of H2SO4 Used Unless Noted Otherwise **2.0 ml of HNO3 Used Unless Noted Otherwise			
Molecular								
Periphyton								
Phytoplankton								
BOD								
DOC								
Other(s)					SyringeLot#		FilterLot#	
Field Comments:								
Comments on COC:								
Relinquish Date:	05/16/2023	Signature:						

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)

Save Field Sheets on Network: _____

(Initials/Date)

Migrate Data to WIN: _____

(Initials/Date)

Site Name Bear Lake (Center)

Date: 05/16/2023

WIN-ID G4NW0361

Field ID G4NW0361

Project: SMP / TMDL Studies

Visit ID 86651

RQ: 2023-05-15-38

Macro ID 12438

LIMS ID: 2410419

HA ID 18339

WBID: 179A

☒ LVI

☒ Sample Site Created in SBIO

☒ Phys/Chem in SBIO Initial FB

☒ Date and Initial QA: 7/14/23 FB

☒ HA entered in SBIO Initial FB

☒ Date and Initial QA: 7/19/23 FB HA Score 107

☒ LVI entered in SBIO Initial FB

☒ Date and Initial QA: 7/20/23

☐ Plants getting verified

☐ Date submitted: _____

☐ Plants verified

☐ Date returned: _____

☒ Macro ID authorized in SBIO

☒ Date and Initial: 7/20/23 FB

☒ Macro ID score: 55

☒ If SMP, scanned into database

Notes:

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 86651 MACROPHYTE ID: 12438 LATITUDE: N 30.86349
 COUNTY: Santa Rosa STORET #: G4NW0361 LONGITUDE: W 86.83052
 DATE: 5/16/2023 TIME: 11:52 SAMPLING AGENCY: FL DEP - NWROC
 SITE NAME: Bear Lake (Center) WBID: 179A
 FIELD ID/NAME: G4NW0361 LAKE SIZE: 104 RQ: 2023-05-15-38

WATERSHED / LAKESIDE FEATURES

LIMS ID. 2410419

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>1.22</u>	
Local Watershed Erosion (select one) : ☐ None ☐ Slight ☒ Moderate ☐ Heavy Local Watershed NPS Pollution : ☐ No evidence ☐ Slight ☒ Moderate ☐ Heavy				Artificially Impounded ☒ Yes ☐ No Land Use Source & Year: SBIO, 33030057, 2016	
STORMWATER INPUTS <u>16</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	
LAKESIDE ALTERATIONS <u>16</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	
BUFFER ZONE <u>19</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	
				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	
				< 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: Depth (M) Temp. (°C) pH (SU) D.O. (MG/L) D.O. Sat. (%) Cond. (UMHO/CM) Salinity (PPT) Top: <u>0.3</u> <u>28.0</u> <u>7.78</u> <u>9.09</u> <u>117.4</u> <u>23.1</u> <u>0.01</u> Mid-Depth: <u>2.0</u> <u>26.6</u> <u>7.15</u> <u>10.60</u> <u>132.4</u> <u>23.1</u> <u>0.01</u> Bottom: <u>3.2</u> <u>23.6</u> <u>5.66</u> <u>8.4</u> <u>104.1</u> <u>20.9</u> <u>0.01</u> Meter ID: <u>154175</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					
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 ☐ Anaerobic ☐ Other (Specify): _____						Additional Notes: Historic Storet 33030057. Too Hot for I-Pad, Auto shutdown Pick up clay chunk by dock/ramp					
Weather Conditions: <u>Sunny, HOT! Heat Index 95°F</u> Propeller Fish Attractors throughout lake, be careful with boat motor!											
SAMPLING TEAM: Frank Butera, Miranda Butler						SIGNATURE: <u>[Signature]</u>			DATE: <u>5/16/23</u>		

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

WIN-ID STATION NUMBER: G4NW0361	DATE (M/D/Y) 05/16/2023	LAKE NAME Bear Lake (Center)		FIELD ID / NAME G4NW0361	
WBID: 179A	COUNTY: Santa Rosa	SAMPLING LOCATION/DESCRIPTION: Bear Lake Recreation Area, Munson, FL		LAKE SIZE: 104	
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	
Secchi	Secchi > 3 m Or VOB 20 19 18 17 16	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	
Vegetation Quality	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	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	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	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	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	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				
TOTAL SCORE	107				
COMMENTS: HYDRILLA B-Dominant in 3 of 4 sets. No + present in 2014					

ANALYSIS DATE: 5/16/23	ANALYST: Frank Butera	SIGNATURE: 
------------------------	-----------------------	--

SBIO Sample ID: 86651 HA ID: 86651 QC: _____

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: Bear Lake (Center)					County: Santa Rosa					Date: 05/16/2023				
Analyst: F. Butera					Signature: <i>[Signature]</i>					STORET: G4NW0361				
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>86651</u>	2	5	8	11	Collect ed? (✓)	Macro ID <u>12438</u>	2	5	8	11	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								
Cyrtilla 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						Myrica cerifera								
Eleocharis cellulosa						Lycopodium								
Eleocharis equisetoides						Liriodendron								
Eleocharis interstincta						Dicentra scab								
*Eriocaulon compressum														
*Eriocaulon decangulare														
Eupatorium capillifolium														
*Fuirena														
Fuirena scirpoidea														
Gordonia lasianthus														
LIMS ID:														

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

**Schoenoplectus tabernaemontani* = *Scirpus validus*

7.5m tall

Station: Bear Lake (Center)
 GPS Dec. 30.86349 x -86.83052
 Storet: G4NW0361 WBID 179A
 Sample ID: 86651 Vascular ID: 12438
 RQ-2023-05-15-38

Sampled : 05/16/2023
 Sampled By: F.Butera, M. Butler
 Location: Munson, Santa Rosa County
 Receiving Waters: Yellow River
 LIMS ID: 2410419

	Taxa	2	5	8	11	Coll.	Verified
1	<i>Acer rubrum</i>	1	1	1	1		
2	<i>Alternanthera philoxeroides</i>	1	1	1	1		
3	<i>Baccharis</i> sp.		1				
4	<i>Bacopa caroliniana</i>		1				
5	<i>Bidens mitis</i>				1		
6	<i>Brasenia schreberi</i>	1	1	1	1		
7	<i>Cabomba caroliniana</i>	C	D	C	C		
8	<i>Centella asiatica</i>		1				
9	<i>Cliftonia monophylla</i>	1	1	1	1		
10	<i>Cyrilla racemiflora</i>	1	1	1	1		
11	<i>Dichanthelium scabriusculum</i>			1			
12	<i>Eleocharis baldwinii</i>	1	1	1	1		
13	<i>Eleocharis equisetoides</i>	1		1	1		
14	<i>Eriocaulon compressum</i>	1			1		
15	<i>Fuirena scirpoidea</i>				1		
16	<i>Hydrilla verticillata</i>	C	1	C	C		
17	<i>Hydrocotyle</i> sp.	1	1	1	1		
18	<i>Itea virginica</i>	1		1	1		
19	<i>Juncus effusus</i>	1	1	1	1		
20	<i>Leersia hexandra</i>	1	1	1	1		
21	<i>Liriodendron tulipifera</i>		1				
22	<i>Ludwigia peruviana</i>	1	1	1	1		
23	<i>Lycopus</i> sp.	1	1	1	1		
24	<i>Magnolia virginiana</i>	1	1		1		
25	<i>Mayaca fluviatilis</i>				1		
26	<i>Nyssa sylvatica</i> var. <i>biflora</i>		1	1			
27	<i>Panicum repens</i>	1	1	1	1		
28	<i>Paspalum urvillei</i>	1					
29	<i>Phragmites australis</i>		1				
30	<i>Potamogeton diversifolius</i>	1	1	1	1		
31	<i>Sacciolepis striata</i>				1		
32	<i>Sagittaria latifolia</i>			1	1		
33	<i>Sapium sebiferum</i>			1			
34	<i>Taxodium</i> sp.			1			
35	<i>Triadenum virginicum</i>	1		1	1		
36	<i>Typha</i> sp.	1	1				
37	<i>Xyris</i> sp.			1			
38	<i>Zizaniopsis miliaceae</i>	1	1	1	1	Y	FB
	Taxa per section	22	23	23	25	Herb. Taxa	28
	Exotic Present	5	4	5	4	Woody Taxa	10
	Avg. taxa per section	23				Ferns	0
	sections with exotics	4				Macro Algae	0
	Exotic Taxa	6	Exotics per Section: 4.5			Total Taxa	38

Seen but not counted (Not approp. For LVI or Not in surveyed segment)

Taxon	Section	Section	Section	Section	Exclusion
Green Algae	2	5	8	11	Not Vascular.

Station: Bear Lake (Center)
GPS Dec. 30.86349 x -86.83052
Storet: G4NW0361 WBID 179A
Sample ID: 86651 Vascular ID: 12438
RQ-2023-05-15-38

Sampled : 05/16/2023
Sampled By. F.Butera, M. Butler
Location. Munson, Santa Rosa County
Receiving Waters: Yellow River
LIMS ID: 2410419

Metric	Rep. 1	Rep. 2	Rep. 3	Rep. 4	LVI Average
LVI 2012	53	57	50	60	55
Native Percentage	78.26	83.33	80	84.62	81.55
FLEPPC Pct (Exotic)	13.04	12.5	16	11.54	13.27
Total Taxa	23	24	25	26	38
C of C over 7.0	21.74	12.5	20	23.08	19.33
Dominant Taxa	C. caroliniana, H. verticillata	C. caroliniana	C. caroliniana, H. verticillata	C. caroliniana, H. verticillata	C. caroliniana, H. verticillata
C of C Dominant	2.75	5.5	2.75	2.75	3.44

Photo Log

Win ID / Storet: G4NW0361

Station Name: Bear Lake (Center)

Date: 5/16/2023

Samplers: F. Butera, M. Butler

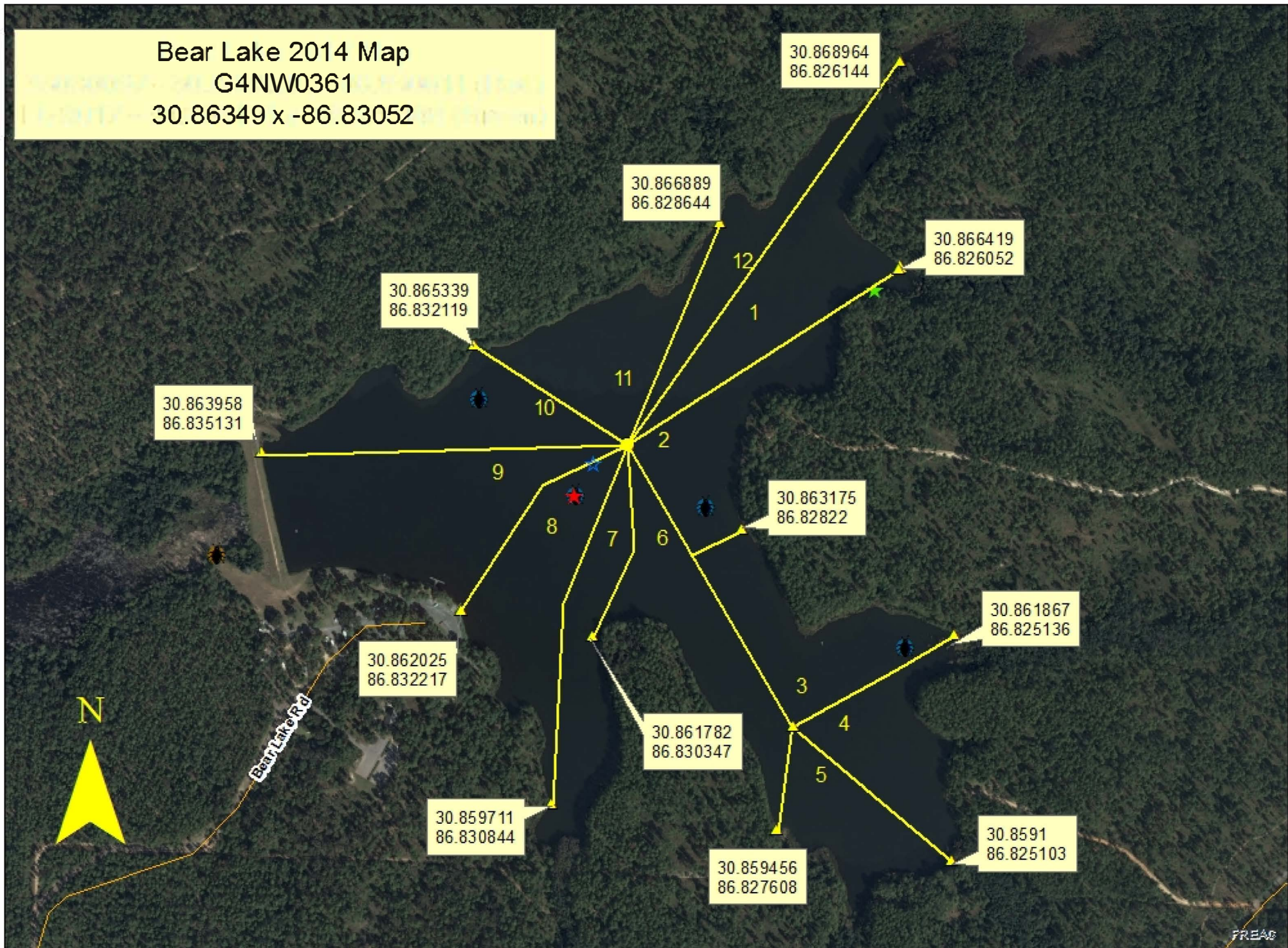
- 1 N et station
- 2 E @ Station
- 3 S @ Station
- 4 W @ station
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Notes.

Bear Lake 2014 Map

G4NW0361

30.86349 x -86.83052



Bear Lake (Center)

WIN ID G4NW0361
Historic Storet 33030057
Receiving Water Bear Ck.
Basin Yellow River
City, County Baker, Okaloosa Co.
Lake Acreage 104
Circumference (M) approx. 4236
Seg. Length (M) approx. 353

	Location	Dec Deg.	DMS
Station	G4NW0361	30.86349 x -86.83052	N 30°51' 48.7 X W 86°49' 50.2"
	12	30.866889 x -86.828644	N 30°52' 00.80 X W 86°49' 43.12"
	1	30.868964 x -86.826144	N 30°52' 08.27 X W 86°49' 34.12"
2	2	30.866419 x -86.826052	N 30°51' 59.108" x W 86°49' 33.786"
	3	30.863175 x -86.82822	N 30°51'47.431" X W 86°49'41.592"
	4	30.861867 x -86.825136	N 30°51'42.72" x W 86°49'30.49"
5	5	30.8591 x -86.825103	N 30°51' 32.76" x W 86°49' 30.37"
	6	30.859456 x -86.827608	N 30°51'34.04" x W 86°49'39.39"
	7	30.861782 x -86.830347	N 30°51'42.414" x W 86°49'49.249"
8	8	30.859711 x -86.830844	N30°51'34.96" x W 86°49'51.04"
	9	30.862025 x -86.832217	N 30°51'43.29" x W 86°49'55.98"
	10	30.863958 x -86.835131	N 30°51'50.25"x W 86°50'6.47"
11	11	30.865339 x -86.832119	N 30°51'55.22" x W 86°49'55.63"
	12	30.866889 x -86.828644	30°52'00.80"x W 86°49'43.12"

Bear Lake (Center) LVI	WBID	Kit	Qty	Bottle Group	Bottles
Bear Lake (Center) G4NW0361	179A	Nutrientsw/ PO4	1	A	3
		Ortho-Phosphate			1
		Metals			1
		Tracers: E8321-MS/DI			1
		PNSP-TQ-R, TR-SQ-R			4
		HA	1	B	-
		LVI	1		-
RQ-2023-05-15-38					
NEED PICS					

Field ID	WBID	WIN Description	County	Lat Long
G4NW0361	179A	Bear Lake (Center)	Santa Rosa	30.86349, -86.83052

Test	Lot #	Expiration date:
Sulfuric Acid	SA2229040	11/4/2023
Nitric Acid	NA2126030	6/2/2023
Syringe	1363514	-
PO4 Filter	17460495	-

Notes (access, boat ramp, etc.)	
G3NW0141	Needs Pics

Bear Lake (Center) LVI				
Field ID	TIME	Conductivity	pH	DO mg-L / Temp.
G4NW0141				
RQ-2023-05-15-38				