



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

STRATEGIC MONITORING PLAN Field Sheet

July 2022

Meter
Passed End
of Day CCVYes ☒ No ☐

WIN Station Name:	HURRICANE LAKE (CENTER)				Sample Date:	7/19/2023	
WIN / Field ID:	G4NW0033	ORG ID:	21FLPNS	ENR:		Latitude:	30.94092
County:	OKALOOSA	WBID:	83A	LAKE	3F	Longitude:	-86.75764
Receiving Body of Water:	-				RQ-	2023-05-22-24	

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

Sampling Equipment			
x	Sample Container		Carboy
	Dipper		Van Dorn
	Syringe		Pole
	Syringe Lot# 136314		Filter Lot# 17460495
	Secchi Equipment ID:	Secchi - 2	
Collection Method			
	Wading		Canoe/Kayak
	From Shore	x	Electric Motor
			Gasoline Motor
	Depth Measured With	Meter	

Water Level:	Normal
Flow:	NA
Matrix:	Fresh
Tide Stage:	
High Tide:	
Low Tide:	
Photos:	Yes
Meter ID:	Trend YSI
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	1235	5.6	0.3	8.48	116.7	32.3	6.92	0.5	17.5	0.01
	1237		2	7.78	104.6	31	6.44		17.6	0.01
	1239		5.1	0.02	0.3	25.1	5.24		32.3	0.01

Biological Samples Collected:

HA LVI

SBIO Visit ID: 87408

HA ID: 18568

RPS ID: N/A

Macrophyte ID: N/A

LIMS Sample ID

In The Macrophyte Module: 2425632

Parameter Suite	Parameter Methods (LIMS Test Codes)			Preservation				
				Type	Lot#	Expiration Date	pH Check	
Microbiology								
Chlorophyll	CHLSUITE-W			ICE				
Physical/Aggregate	ALKALINITY, TURBIDITY, W-F, W-TSS			ICE				
Nutrients	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#: 136314; Filter Lot#: 17460495			
Acid Preserved Nutrients	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP			ICE	H2SO4*	SA3013020	01/25/2024	H2SO4 pH<2
Metals	W-ICPMS	W-ICP	W-HARD	ICE	HNO3**	NA2230040	09/01/2023	HNO3 pH<2
Organics (LC)	W-E8321-DI	W-E8321-MS						
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					SyringeLot#		FilterLot#	
Other(s)								
Field Comments:	HOT! Lot of rain previous two weeks.							
Comments on COC:								
Relinquish Date:	07/19/2023	Signature:	Myranda Butler					

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT: QC Station ID, Field Parameters in LIMS DMT:

(Initials/Date)

(Initials/Date)

Save Field Sheets on Network: Migrate Data to WIN:

(Initials/Date)

(Initials/Date)

Site Name Hurricane Lake (Center)

Date: 07/19/2023

WIN-ID G4NW0033

Field ID G4NW0033

Project: SMP, TMDL Studies

Visit ID 87408

RQ: 2023-05-22-24

Macro ID 12504

LIMS ID: 2425632

HA ID 18568

WBID: 83A

☒ LVI

☒ Sample Site Created in SBIO

☒ Phys/Chem entered in SBIO

☒ HA entered in SBIO Initial FB. 07/26/2023 ☐ Date and Initial QA: 8/7/23 BO HA Score 93

☒ LVI entered in SBIO Initial FB. 07/26/2023 ☐ Date and Initial QA: 8/7/23 BO

☒ Plants getting verified

☐ Date submitted: In House

☒ Plants verified

☐ Date returned: In House

☒ Macro ID authorized in SBIO

☒ Date and Initial: 8/7/23 BO

☒ Macro ID score: 55

☒ If SMP, scanned into database

Notes:

Sampled by F. Butera, M. Butler.

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 87408 MACROPHYTE ID: 12504 LATITUDE: N 30.94092
COUNTY: Okaloosa (Baker) WIN-ID: G4NW0033 LONGITUDE: W 86.75764
DATE: 7-19-2023 TIME: 12:35 PM SAMPLING AGENCY: FL DEP - NWROC
SITE NAME: Hurricane Lake (Center) WBID: 83A
FIELD ID/NAME: G4NW0033 LAKE SIZE: 312 RQ: 2023-05-22-24

WATERSHED / LAKESIDE FEATURES

Line 70:2425632

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>1.12</u>			
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: SBIO 2015 Station 33030056			
STORMWATER INPUTS <u>18</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>18</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>16</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 ☐ 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>32.3</u> <u>6.92</u> <u>8.48</u> <u>116.7</u> <u>17.5</u> <u>0.01</u> Mid-Depth: <u>2.0</u> <u>31</u> <u>6.44</u> <u>7.78</u> <u>104.6</u> <u>17.6</u> <u>0.01</u> Bottom: <u>5.1</u> <u>25.1</u> <u>5.24</u> <u>0.02</u> <u>0.3</u> <u>32.3</u> <u>0.01</u>						Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____											
Clarity: ☐ Clear ☒ Turbid ☐ Slightly Turbid Color: ☐ Clear ☒ Tannic ☒ Green						SECCHI (M) <u>0.5</u> Total Station Depth (M) <u>5.6</u>											
Sediment Type: (may check more than one) ☒ Sandy ☐ Organic fibrous (peaty, CPOM) ☒ Vegetated ☒ Sand/Silt ☐ Organic smooth (muck) ☐ Other (Specify): _____						Sediment Odors: ☒ Normal ☐ Other (Specify): _____ ☐ Anaerobic											
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: Station replaces historic 33030056 Previous Sample 2022, 2015 (6073), (33030056) 2016, 2014, 2008, 2006, 2002, 1946.					
Weather Conditions: <u>30 sunny, Hot.</u>																	
SAMPLING TEAM: Frank Butera, <u>Stophen Glade</u> , <u>M. Butera</u>						SIGNATURE: <u>Frank Butera</u>						DATE: <u>7-19-2023</u>					

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

WIN-ID NUMBER: G4NW0033	DATE (M/D/Y) <u>7/19/2023</u>	LAKE NAME Hurricane Lake (Center)		FIELD ID / NAME G4NW0033	
WBID: 83A	COUNTY: Okaloosa	SAMPLING LOCATION/DESCRIPTION: Hurricane Lake Recreation Area		LAKE SIZE: 312	
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	Secchi(m)		Poor	
5	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	
	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 11	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 18	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 7	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%) 18	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 >18 m buffer 18	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 16				
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
TOTAL SCORE	93				
COMMENTS:					

ANALYSIS DATE: <u>7/19/23</u>	ANALYST: Frank Butera	SIGNATURE:
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SBIO Sample ID: 87408 HA ID: 18568 QC✓: _____

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: Hurricane Lake (Center)					County: Okaloosa					Date: 7/				
Analyst: F. Butera <i>F. Butera</i>					Signature: <i>F. Butera</i>					STORET: G4NW0033				
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 <i>87408</i>	2	5	8	11	Collect ed? (✓)	Macro ID <i>12504</i>	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 <i>Poly</i>								
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)						Liquidamber 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 <i>W. S. P.</i>						Myrica cerifera								
Eleocharis cellulosa						<i>Carex glaucescens</i>								
Eleocharis equisetoides						<i>Cyperus poly</i>								
Eleocharis interstincta						<i>O. chinensis scab.</i>								
*Eriocaulon compressum						<i>Sagittaria pinnatifida</i>								
*Eriocaulon decangulare						<i>Eleocharis longata</i>								
Eupatorium capillifolium														
*Fuirena														
Fuirena scirpoidea														
Gordonia lasianthus														
LIMS ID: <i>2425632</i>														

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

[illegible]

Station: Hurricane Lake (Center)
 GPS Dec. 30.94092 x -86.75764
 Storet: G4NW0033 WBID 83A
 Sample ID: 87408 Vascular ID: 12504
 RQ-2023-05-22-24

Sampled : 07/19/2023
 Sampled By. F.Butera, M. Butler
 Location. Baker, Okaloosa County
 Receiving Waters: Blackwater River
 LIMS ID: 2425632

	Taxa	1	4	7	10	Coll.	Verified
1	<i>Acer rubrum</i>	1	1	1	1		
2	<i>Alternanthera philoxeroides</i>	1	1	1	1		
3	<i>Bidens mitis</i>	1	1	1	1		
4	<i>Brasenia schreberi</i>				1		
5	<i>Carex glaucescens</i>		1	1	1		
6	<i>Cephalanthus occidentalis</i>	1	1	1	1		
7	<i>Cliftonia monophylla</i>	1	1	1	1		
8	<i>Cyperus odoratus</i>				1	Y	FB
9	<i>Cyrilla racemiflora</i>	1	1	1	1		
10	<i>Dichanthelium scabriusculum</i>		1				
11	<i>Eichhornia crassipes</i>	1		1	1		
12	<i>Eleocharis baldwinii</i>	C	C	C	C		
13	<i>Eleocharis elongata</i>			1			
14	<i>Eleocharis vivipara</i> (submersed)	1	1	1	1		
15	<i>Eriocaulon compressum</i>	1		1	1		
16	<i>Fuirena scirpoidea</i>			1			
17	<i>Hydrocotyle</i> sp.	1	1	1	1		
18	<i>Juncus effusus</i>	1					
19	<i>Juncus polycephalus</i>	1					
20	<i>Luziola fluitans</i> (Michx.)		1				
21	<i>Lycopus</i> sp.	1	1	1	1		
22	<i>Mayaca fluviatilis</i>			1	1		
23	<i>Myrica carolinensis</i>	1	1	1	1		
24	<i>Nymphaea odorata</i>			1			
25	<i>Nyssa sylvatica</i> var. <i>biflora</i>	1	1	1			
26	<i>Osmunda cinnamomoea</i>				1		
27	<i>Osmunda regalis</i>		1				
28	<i>Panicum hemitomon</i>	1	1	1	1		
29	<i>Panicum repens</i>	1	1	1	1		
30	<i>Paspalum urvillei</i>	1			1		
31	<i>Potamogeton illinoensis</i>			1			
32	<i>Rhexia mariana</i>	1					
33	<i>Rhynchospora inundata</i>	1	1	1	1		
34	<i>Saccharum coarctatum</i>	1	1				
35	<i>Sacciolepis striata</i>	C	C	C	C		
36	<i>Salix carolinana</i>			1			
37	<i>Sapium sebiferum</i>	1	1				
38	<i>Saururus cernuus</i>	1					
39	<i>Triadenum virginicum</i>	1	1	1	1		
40	<i>Typha</i> sp.	1	1	1	1		
41	<i>Utricularia floridana</i>		1				
42	<i>Xyris</i> sp.	1	1	1			
	Taxa per section	27	25	27	24	Herb. Taxa	32
	Exotic Present	5	3	3	4	Woody Taxa	8
	Avg. taxa per section	27				Ferns	2
	sections with exotics	4				Macro Algae	0
	Exotic Taxa	5	Exotics per Section: 3.8			Total Taxa	42

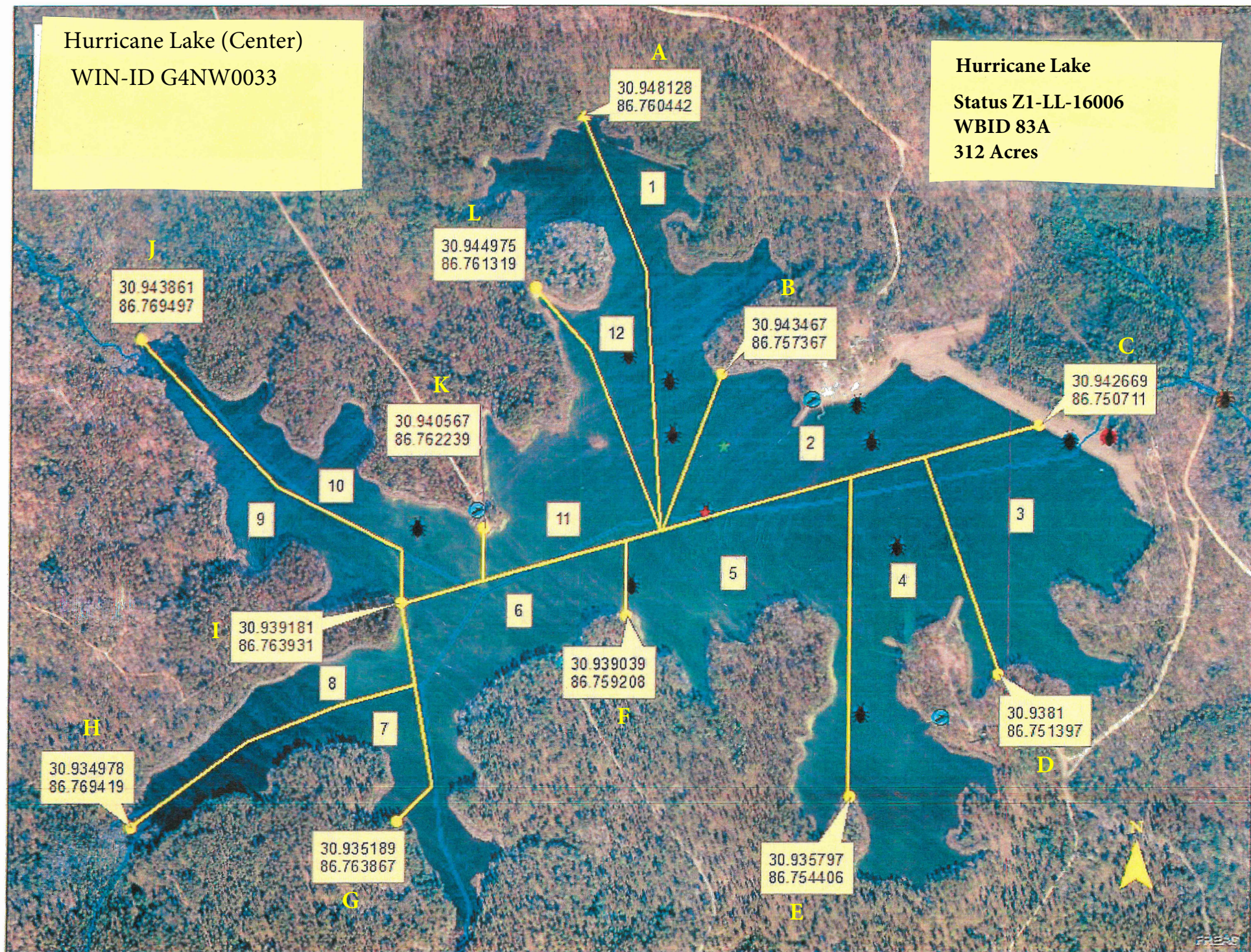
Seen but not counted (Not approp. For LVI or Not in surveyed segment)

Taxon	Section	Section	Section	Section	Exclusion
<i>Nuphar</i> sp.			7		Sect. not surveyed
Algae	2	5	8	11	Not Vascular

Metric	Rep. 1	Rep. 2	Rep. 3	Rep. 4	LVI Average
LVI 2012	48	55	59	56	55
Native Percentage	81.48	88	89.29	84	85.69
FLEPPC Pct (Exotic)	11.11	8	7.14	8	8.56
Total Taxa	27	25	28	25	42
C of C over 7.0	7.41	8	10.71	12	9.53
Dominant Taxa	E. baldwini, S. striata	E. baldwini, S. striata	E. baldwini, S. striata	E. baldwini, S. striata	E. baldwini, S. striata
C of C Dominant	4.085	4.085	4.085	4.085	4.09

Hurricane Lake (Center)
WIN-ID G4NW0033

Hurricane Lake
Status Z1-LL-16006
WBID 83A
312 Acres



Hurricane Lake (Center)

Storet: G4NW0033

Receiving Water	Hurricane Creek
Basin / WBID	Blackwater River / 83A
City, County	Baker, Okaloosa
Lake Acreage	312
Circumference (M)	18,000
Seg. Length (M)	1500

Section	Location	Dec Deg.
	G4NW0033	30.94092, -86.75764
	A	30.94813, 86.76044
2	B	30.94347, 86.75737
	C	30.94267, 86.75071
	D	30.93810, 86.751397
5	E	30.93580, 86.75441
	F	30.93904, 86.75921
	G	30.93519, -86.76367
8	H	30.93498, 86.769419
	I	30.93918, -86.76393
	J	30.94386, -86.76950
11	K	30.94057, -86.76224
	L	30.94498, -86.76132

Hurricane Lake (Center) LVI	WBID	Kit	Qty	Bottle Group	Bottles
Hurricane Lake (Center) G4NW0033	83A	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-2023-05-22-24 NEED PICS					

Field ID	WBID	WIN Description	County	Lat Long
G4NW0033	83A	Hurricane Lake (Center)	Okaloosa	30.86349, -86.83052

Test	Lot #	Expiration date:
Sulfuric Acid	SA3013020	1/25/2024
Nitric Acid	NA2126030	6/2/2023
Syringe	1363514	-
PO4 Filter	17460495	-

Notes (access, boat ramp, etc.)	
G4NW0033	Needs Pics. Boat Ramp @ Hurricane Lake Recreation Area, Baker, Okaloosa Co. FL

Hurricane Lake (Center) LVI				
Field ID	TIME	Conductivity	pH	DO mg-L / Temp.
G4NW0033				
RQ-2023-05-22-24				