SBIO processing Z1-LL-11002 Spring Lake # 1. Storet ~~TBD~~ 51Φ6Φ

☒ LVI

☐ RPS/LVS Only

☑ Sample Site Created in SBIO FB Φ2/14/2018

☑ Phys/Chem entered in SBIO FB Φ2/14/2018

☑ HA entered in SBIO Initial FB 2/14/18 ☑ Date and Initial QA: 2/15/18 (18)

☐ RPS entered in SBIO Initial _____ ☐ Date and Initial QA: _____

☑ ~~LVS~~ LVI entered in SBIO Initial ~~FB 6/19/2018~~ ☑ Date and Initial QA: 6/22/18 JA

☐ < 2 m² vegetation

☑ Plants getting verified Date submitted: 11/~~Φ4/17~~ 2017

☑ Plants verified Date returned: 6/14/2Φ17

LVI SCORE 53

Sample Date: 05/12/2017 WBID 302

SBIO ID: 78216

HA ID: 15Φ1Φ

Macro ID: 1Φ968

LVI authorized FB Φ6/25/2018

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 78216 MACROPHYTE ID: 10968 LATITUDE: N 30.753235

COUNTY: Walton STORET #: 51069 LONGITUDE: W 86.05771

DATE: 5-4-17 TIME: ~~(ES) 1100~~ 11:30 SAMPLING AGENCY: FL DEP - NWROC

SITE NAME: Spring Lake No. 1 WBID: 302

FIELD ID/NAME: Z1-LL-11002 LAKE SIZE: 152 RQ:

WATERSHED / LAKESIDE FEATURES DMS 30-45-11.646 x86-03-27.756

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category – from GIS) :

Forest/Natural	Silviculture	Field/Pasture	Agricultural	Residential	Commercial	Industrial	Other (Specify)
X	X	X	X				

LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer)

LDI:

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 15	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
LAKESIDE ALTERATIONS 16	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)				
	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
BUFFER ZONE VI	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				
	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	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 _____

Water Surface Oils: ☒ None

☐ Sheen/Slick ☐ Glob ☐ Other _____

Meter ~~YSI~~

Readings:	Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat. (%)	Cond. (UMHO/CM)	Salinity (PPT)
Top:	.3	26.9	6.9	6.7	103	19	0.0
Mid-Depth:	1.2	26.4	6.9	8.7	108	19	0.0
Bottom :	2.1	26.4	6.5	7.2	90	19	0.0

Meter ID: 132237

Clarity: ☐ Clear ☐ Opaque ☐ Turbid ☒ Slightly Turbid

Color: ☐ Clear ☐ Tannic ☒ Green

SECCHI (M) 1.9

VOB ☐

Total Station Depth (M) 2.6

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 ☐ 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: Not observed

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

Additional Notes:

Meter @ 13:50

MAx Depth 3.2m

Weather Conditions : Overcast, low 80's

SAMPLING TEAM: Frank Butera, ~~Mike King~~ Stephen Slade

SIGNATURE: Frank Butera

DATE: 5/12/2017

STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION

Lake Habitat Assessment Field Sheet

STORET STATION NUMBER: 5160	DATE (M/D/Y): 5/12/2017	LAKE NAME: Spring Lake No. 1 (Z1-LL-11002)		FIELD ID / NAME: Z1-LL-11002
ECO-REGION: 302	COUNTY: Walton	SAMPLING LOCATION/DESCRIPTION: Defuniak Springs		LAKE SIZE: 152 ACRES
PARAMETER				
HYDROLOGY	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 ☒
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 12	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 VOB 20 | 19 | 18 | 17 | 16	15 | 14 | 13 | 12 | 11	10 | 9 | 8 | 7 | 6	5 | 4 | 3 | 2 | 1
Vegetation Quality 14	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 (duck-weed, 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 15	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 18	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 Alternations 16	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 11 13	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
	20 | 19 | 18 | 17 | 16	15 | 14 | 13 | 12 | 11	10 | 9 | 8 | 7 | 6	5 | 4 | 3 | 2 | 1
Adverse Watershed Land Use 17	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: 103	COMMENTS: SB10 ID: 78216 HA. ID 15010
ANALYSIS DATE: 5/12/17	ANALYST: Frank Butera, ~~Mike King~~ Stephen Slade
SIGNATURE:	

Station: Spring Lake # 1 (Field ID Z1-LL-11002)
GPS: N 30° 45' 11.646" X W 86°03' 27.756"
WIN-ID: 51060 WBID 302
Sample ID : 78216
Macro ID: 10968

Sampled : 05/12/2017
GPS Dec. 30.753235 x 86.05771
Sampled By. F.Butera, S. Slade
Location. Defuniak Springs, Walton Co. FL
Receiving Waters: .

	Taxa	1	4	7	10	C of C	Coll.	Verified
1	*Acer rubrum*	1	1	1		4.65		
2	*Aleurites fordii*				1	0.00		
3	*Arundinaria gigantea*				1	5.25		
4	*Bidens mitis*			1	1	6.31		
5	*Brasenia schreberi*	1	1	1	1	8.79		
6	*Carex louisianica*				1		✓	A. O'Neal
7	*Cephalanthus occidentalis*				1	6.99		
8	*Cladium jamaicense*	1	1		1	9.04		
9	*Cliftonia monophylla*	1				5.63		
10	*Colocasia esculenta*	1				0.00		
11	*Cyrilla racemiflora*	1	1	1	1	5.20		
12	*Eleocharis baldwinii*	1		1		1.00	✓	FB Lab
13	*Eleocharis equisetoides*				1	9.10		
14	*Eleocharis* sp.	1		1			✓	A. O'Neal
15	*Erechtites hieraciifolius*			1		1.37		
16	*Hydrocotyle* sp.		1	1	1	2.00		
17	*Hypericum fasciculatum*			1		7.27	✓	FB Lab
18	*Hypericum brachyphyllum*				1	7.55		
19	*Juncus marginatus*			1		3.65		
20	*Leersia hexandra*	1	1	1	1	5.61		
21	*Liriodendron tulipifera*	1						
22	*Ludwigia leptocarpa*	1	1	1	1	5.85		
23	*Lycopus* sp.	1	1		1			
24	*Magnolia virginiana*	1			1	9.44		
25	*Mayaca fluviatilis*	1		1	1	8.45		
26	*Myrica cerifera*			1	1	3.82		
27	*Myriphyllym heterophyllum*	1		1		5.85		
28	*Nitella* sp.			1	1	7.28		
29	*Nymphaea odorata*	1	1	1	1	6.99		
30	*Nymphoides aquatica*	1	1	1	1	6.09		
31	*Nyssa sylvatica* var. *biflora*	1			1	9.04		
32	*Osmunda cinnamonmoea*				1	6.44		
33	*Panicum hemitomon*				1	5.82		
34	*Panicum repens*	1	C	1	1	0.00		
35	*Paspalum* urvillei	1	1	1		0.00	✓	FB Lab
36	*Pinguicula* L.	1						
37	*Pinus palustris* (Long Leaf)				1			
38	*Pontederia cordata*	1		1		5.38		
39	*Sacciolepis striata*	1				5.35		
40	*Sagitaria lancifolia*	1	1	1	1	4.96		
41	*Sapium sebiferum*			1	1	0.00		
42	*Solidago* sp.			1		8.16	✓	FB Lab
43	*Taxodium* sp.	1		1	1	7.20		
44	*Toxicodendron radicans*				1			
45	*Triadenum virginicum*	1	1	1	1	8.16		
46	*Typha* sp.			1		0.80		
47	*Utricularia cornuta*	1					✓	A. O'Neal
48	*Utricularia floridana*	D	C	D	D	6.34		
49	*Woodwardia areolata*		1			7.68		
50	*Xyris* sp.		1	1	1			

	Taxa per section	27	15	28	33	Herb. Taxa	35
	Exotic Present	28	16	29	34	Woody Taxa	12
	Avg. taxa per section	26				Ferns	2
	sections with exotics	4				Macro Algae	1
	Exotic Taxa	5	Exotics per Section: 0.2			Total Taxa	50

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

Filamentous Algae	1	1	1	1
Albizia julibrissin	-	-	-	-
Cinnamomum camphora	-	-	-	-

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: Spring Lake No. 1. (Z1-LL-11002)	County: Walton	Date: 5/12/2017
Analyst: F. Butera	Signature:	STORET: 51060

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 78216 SPECIES	1	4	7	10	Collected? (√)	Macro ID 10968 SPECIES					Collected? (√)
Acer rubrum	1	1	1			Habenaria repens					
Alternanthera philoxeroides						**Hydrilla verticillata**					
Andropogon sp.						Hydrocotyle sp.		1	1	1	
Azolla filiculoides (A. caroliniana)						**Hygrophila polysperma**					
Baccharis sp.						*Hypericum fasciculatum			1		✓
Bacopa caroliniana						*Hypericum hypericoides					
Bacopa monnieri						*Hypericum myrtifolium					
Bidens laevis						Ilex cassine					
Bidens mitis			1	1		**Ipomoea aquatica**					
Blechnum serrulatum						Ipomoea sagittata					
Boehmeria cylindrica						Itea virginica					
Brasenia schreberi	1	1	1	1		Juncus effusus					
Cabomba caroliniana						*Juncus marginatus			1		
Casuarina equisitifolia						*Juncus megacephalus					
Centella asiatica						Juncus repens					
Cephalanthus occidentalis				1		*Juncus scirpoides					
Ceratophyllum demersum						Lachnanthes caroliniana					
Chara sp.						Leersia hexandra	1	1	1	1	
Cladium jamaicense	1	1		1		**Landoltia punctata (Spiro. punctata)**					
Cliftonia monophylla	1					Lemna sp.					
Colocasia esculenta	1					Leucothoe racemosa (Eubotrys racemosa)					
*Commelina						Limnobium spongia					
Crinum americanum						**Limnophila sessiliflora**					
***Cyperus alternifolius** (C. involucratus)						Liquidamber styraciflua					
Cyperus articulatus						*Ludwigia arcuata					
Cyperus haspan						*Ludwigia leptocarpa	1	1	1	1	
*Cyperus lecontei						*Ludwigia linearis					
*Cyperus polystachyos						*Ludwigia octovalvis					
*Cyperus odoratus						***Ludwigia peruviana**					
*Cyperus surinamensis						*Ludwigia repens					
Cyrilla racemiflora	1	1	1	1		*Ludwigia					
Decodon verticillatus	1					Luziola fluitans (Hydrochloa carolinensis)					
Diodia virginiana						Lyonia lucida					
*Echinochloa crus-galli						Magnolia virginiana	1			1	
*Echinochloa muricatum						Mayaca fluviatilis	1		1	1	
Echinochloa walteri						**Melaleuca quinquenervia**	1				
Eclipta prostrata (E. alba)						Micranthemum glomeratum					
Egeria densa						Micranthemum umbrosum					
Eichhornia crassipes						Mikania scandens					
*Eleocharis baldwinii	1		1		✓	**Mimosa pigra**					
*Eleocharis Spikerush sp.	1		1		✓	Myrica cerifera			1	1	
Eleocharis cellulosa						Fireweed			1	1	
Eleocharis equisetoides				1							✓
Eleocharis interstincta						*Tung-oil Tree				1	
*Eriocaulon compressum											
*Eriocaulon decangulare						Poison-Ivy				1	
Eupatorium capillifolium											
*Fuirena						Arundinaria				1	
Fuirena scirpoidea						Lycopus	1	1		1	
Gordonia lasianthus											

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

Site: Spring Lake No.1. (Z1-LL-11002). Storet. 51066 | Date: 5-12-2017 | SBIO ID 78216 | Macro ID

SBIO ID 78216 | Macro-ID 10968

SPECIES	1	4	7	10	Collected? (√)	SPECIES					Collected? (√)
Myriophyllum aquaticum						Salix caroliniana					
*Myriophyllum heterophyllum	1		1			**Salvinia minima**					
*Myriophyllum laxum						Sambucus canadensis					
*Myriophyllum pinnatum						**Sapium sebiferum**			1	1	
Myriophyllum spicatum						Saururus cernuus					
*Najas filifolia						**Schinus terebinthifolius**					
*Najas guadalupensis						*Schoenoplectus californicus					
*Najas minor						*Schoenoplectus pungens					
Nelumbo lutea						*Schoenoplectus tabernaemontani (Scirpus validus)					
Nitella spp.			1	1		Scirpus cubensis (Oxycaryon cubense)					
Nuphar sp.						Scirpus cyperinus					
Nymphaea odorata	1	1	1	1		*Sesbania					
Nymphoides aquatica	1	1	1	1		Solidago sp.			1		✓
Nyssa sylvatica var. biflora	1			1		Sparganium americanum					
Orontium aquaticum						Spartina bakeri					
Osmunda cinnamomea			1	1		Spirodela polyrhiza					
Osmunda regalis						Taxodium sp.	1		1	1	
Panicum hemitomon			1	1		Thalia geniculata					
Panicum repens	1	1	1	1		Thelypteris palustris					
Paspalidium geminatum						Triadenum virginicum	1	1	1	1	
*Paspalum repens						Typha sp.					
Paspalum urvillei	1	1	1		✓	**Urochloa mutica (Brachiaria mutica)**					
Peltandra sp.						*Utricularia gibba (U. biflora)					
Persea sp.						*Utricularia floridana	D	D	D	D	
Pennisetum purpureum						*Utricularia foliosa					
Phragmites australis						*Utricularia inflata					
Pinus elliottii						*Utricularia purpurea					
Pistia stratioides						*Utricularia cornuta	1				✓
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	+		Woodwardia virginica					
*Potamogeton diversifolius						Xyris sp.		1	1	1	
*Potamogeton illinoensis						Zizania aquatica					
*Potamogeton pusillus						Zizaniopsis milacea					
*Potamogeton pectinatus (Stuck. pectinatus)						Hypericum brachyphyllum				1	
Proserpinaca pectinata											
*Rhexia						Green algae CF Lemna			1	1	
*Rhynchospora corniculata											
*Rhynchospora inundata											
Rhynochospora tracyi						~~CAREX~~ lupulina				+	✓
Ricciocarpus natans						CAREX louisianica				1	✓
Sabal palmetto											
Sacciolepis striata	1					Longleaf Pine				1	
*Sagittaria filiformis											
*Sagittaria graminea						Camphor Tree (exotic)					
*Sagittaria isoetiformis											
Sagittaria lancifolia	1	1	1	1		Lyonia lucida	1				
Sagittaria latifolia											
Pinguicula	1										
Woodwardia areolata		1									

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

Date: 5/12/2017	Name of Lake: Spring Lake 1. Z1-LL-11002	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	2.1.9	sand, silt/clay, CPOM, muck, SAV	7	3.2	sand, silt/clay, CPOM, muck, SAV
2		sand, silt/clay, CPOM, muck, SAV	8		sand, silt/clay, CPOM, muck, SAV
3 Store	2.6	sand, silt/clay, CPOM, muck, SAV	9		sand, silt/clay, CPOM, muck, SAV
4		sand, silt/clay, CPOM, muck, SAV	10	1.5	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

Storet
WBID 302

Field ID Z1LL11002 Project. Status Large 2017

SBIO ID: 78216

MWS

Sect 1 ≈ 5m

4 ≈ 10m

7 - Buffer ≈ 22M.

10 Buffer ≈ 718 mostly.

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

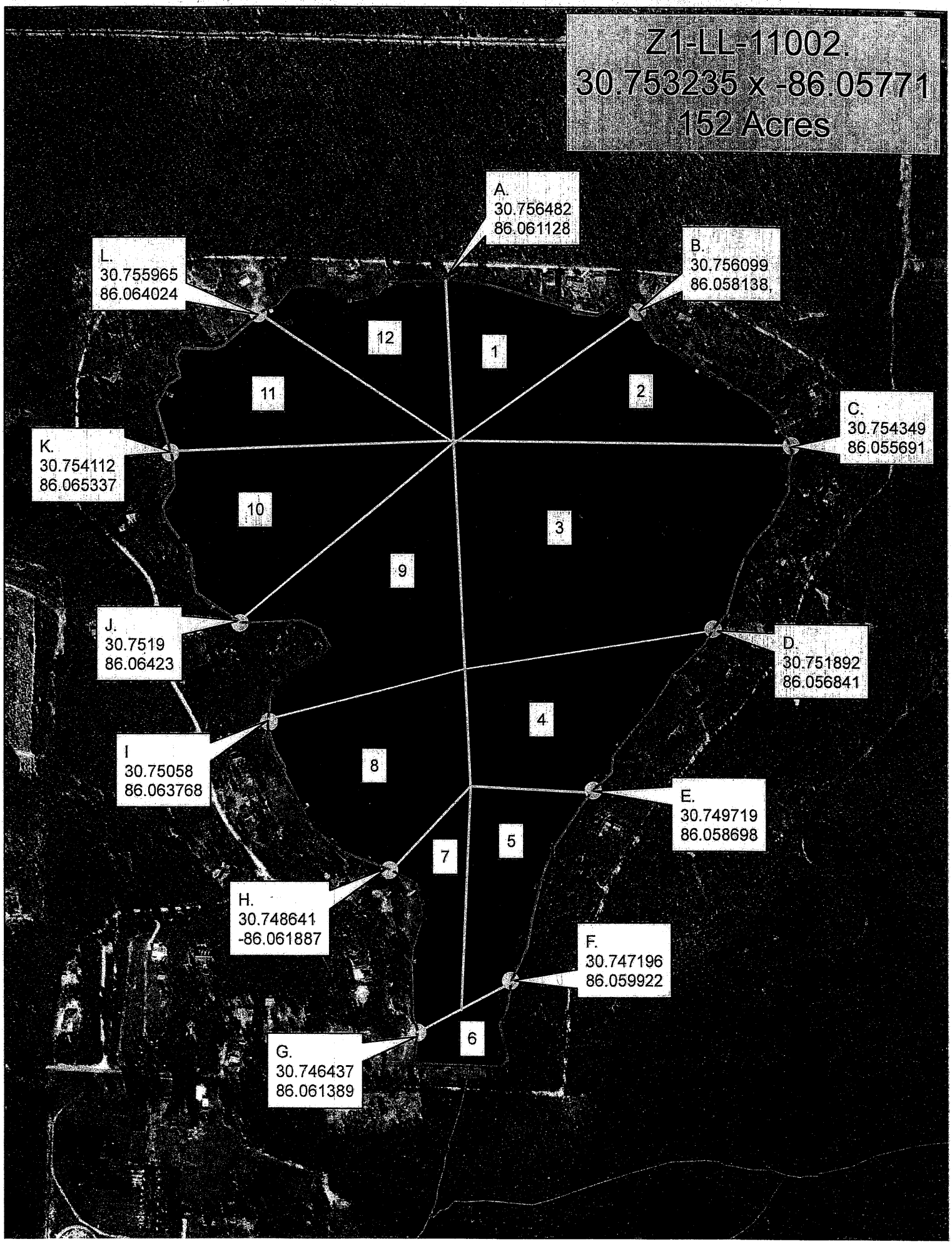
Photo Log
Storet 51064
Station Name: Z1-LL-11002. Spring Lake No. 1
Date: ~~4/13/2016~~
Samplers. F. Butera, M. King

1 P-Chem
2 Seal & Rocks S-DAM
3
4
5 N
6 E
7 S
8 W

Station

9
10
11
12
13
14
15
16
17

Notes.


Z1-LL-11002.
30.753235 x -86.05771
152 Acres
A.
30.756482
86.061128
B.
30.756099
86.058138,
C.
30.754349
86.055691
D.
30.751892
86.056841
E.
30.749719
86.058698
F.
30.747196
86.059922
G.
30.746437
86.061389
H.
30.748641
-86.061887
I
30.75058
86.063768
J.
30.7519
86.06423
K.
30.754112
86.065337
L.
30.755965
86.064024
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Z1-LL-11002 (Spring Lake)

Status Storet	TBD
Receiving Water	Bridge Ck -> Sandy Ck
Basin, WBID	Choctawhatchee R., 302
City, County	Defuniak Spring
Lake Acreage	152
Circumference (M)	3669
Seg. Length (M)	305.75

Location	Dec Deg.		DMS
Storet	30.753235 x -86.05771		N 30°45' 11.64708" X W 86°03' 27.75492"
A	30.756482 x -86.061128		N 30°45' 23.335" X W 86°03' 40.059"
B	30.756099 x -86.058138		N 30°45' 21.957" X W 86°03' 29.296"
C	30.754349 x -86.055691		N 30°45' 15.656" X W 86°03' 20.489"
D	30.751892 x -86.056841		N 30°45' 06.81" X W 86°03' 24.626"
E	30.749719 x -86.058698		N 30°45' 59.048" X W 86°03' 31.314"
F	30.747196 x -86.059922		N 30°44' 49.904" X W 86°03' 35.719"
G	30.746437 x -86.061389		N 30°44' 47.174" X W 86°03' 40.999"
H	30.748641 x -86.061887		N 30°44' 55.109" X W 86°03' 42.794"
I	30.750580 x -86.063768		N 30°45' 02.087" X W 86°03' 49.563"
J	30.751900 x -86.064230		N 30°45' 06.839" X W 86°03' 51.228"
K	30.754112 x -86.065337		N 30°45' 14.742" X W 86°03' 55.279"
L	30.755965 x -86.064024		N 30°44' 58.989" X W 86°03' 31.313"