

Site Name Z1SL12031 (Little Spring Lake)

Date 10/03/2018

Field ID Z1SL12031 Storet 54311

Project: Status Small Lakes

Visit ID 79298

RQ: 2018-09-03-12

RPS ID N/A

LIMS ID 2031497

VPDB ID 54311 11249

Sampled By: Frank Butera

HA ID 15710

Mike King

☒ LVI

☐ RPS/LVS Only

☒ Sample Site Created in SBIO

☒ Phys/Chem entered in SBIO

☒ HA entered in SBIO Initial FB, 3-4-01-19 ☒ Date and Initial QA: m 4/3

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

☒ LVI entered in SBIO Initial FB, 4-01-19 ☒ Date and Initial QA: m 4/3

☐ < 2 m² vegetation

☒ Plants getting verified

Date submitted: 11/5/2019

☒ Plants verified

Date returned: 3/20/2019

☒ LVI authorized in SBIO

☒ LVI score: 83



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SURFACE WATER FIELD SHEET
Watershed Monitoring Section

October 2017

STATION INFORMATION

Station Name (Random ID for Status): Z1-SL-12031 Date: 10/03/2018
(MM/DD/YYYY)
Waterbody Name: Little Spring Lake All Times Are: (circle one)
(if known) ETZ or CTZ or EST (daylight savings time never observed)
Waterbody Type: (Circle One) Small Lake (≥ 4 and < 10 hectares) / Large Lake (≥ 10 hectares)
(collect samples in middle of open water) (collect samples at selected location point)
Stream / Canal / River
(collect samples in representative area) (collect samples in representative area) (collect samples in representative area)
Field Sheet Completed by: M. King WQ Sample Collected by: F. Butera

WATER CHARACTERISTICS

Total Water Depth: 3.7 (meters) Secchi Depth: 3.7 (meters) ☒ Check if Secchi Visible on Bottom
(Average of 2 measurements) (from SHADED side) ("S" qualifier needed)
Stream/River/Canal Flow: (Circle One) N/A / No Flow, Water within Banks / Flowing within Banks / Flow Above Banks
(waterbody not stream / river / canal) (comment if avg. velocity < 0.05 m/s) (For Status sites, DO NOT sample if flooded above banks.)
Water Level: (Circle One) Low / Normal / High
Water Sample Collection Device: (Circle One) Direct Grab with Sample Bottle / Van Dorn: _____ # of grabs & Equipment ID _____

FIELD MEASUREMENTS

Meter ID# <u>113529</u>		Read by: <u>F. Butera</u>				
Time (24 hr.)	Surface Depth Collected (meters)	Temperature (°C)	Specific Conductance (µmhos/cm)	D.O. (%)	D.O. (mg/L)	pH (SU)
<u>1200</u>	<u>0.31</u>	<u>29.46</u>	<u>17</u>	<u>91.7</u>	<u>7.00</u>	<u>5.85</u>
Time (24 hr.)	Bottom Depth Collected (meters)	Temperature (°C)	Specific Conductance (µmhos/cm)	D.O. (%)	D.O. (mg/L)	pH (SU)
<u>1205</u>	<u>3.2</u>	<u>28.16</u>	<u>18</u>	<u>23.4</u>	<u>1.83</u>	<u>5.56</u>

☐ Check here if bottom measurements not collected because total depth < 1.5 m.

DATA COLLECTION DEPTHS: Total depth < 0.1 m → no data collection. Total depth ≥ 0.1 m and < 0.6 m → surf. meas. & sample at mid-depth. Total depth ≥ 0.6 m & < 1.5 m → surface meas. & sample at 0.3 m. Total depth ≥ 1.5 m → surface meas. & sample at 0.3 m, bottom meas. 0.5 m above bottom.

PRESERVATION INFORMATION

☐ N/A (No samples collected; please state why in comments.)
Were all samples (including QA/QC blanks) properly preserved within 15 minutes of collection? Yes / No
1 vial sulfuric acid added to nutrients sample(s)? Yes / No Sulfuric acid info: (circle one) Chem ID SA-8101020
1 vial nitric acid added to metals sample(s)? Yes / No Nitric acid info: (circle one) Chem ID NA-8080070
pH of all acidified samples verified to be < 2? Yes / No
All water & sediment samples submerged in wet ice (≤ 6°C)? Yes / No
SCI samples preserved with buffered formalin? Yes / No NA
(Please describe any variations to this preservation protocol in the comments section below.)
Preserved By: M. King

QA/QC SAMPLE INFORMATION

QA/QC Sample: (Circle One) N/A / Field Blank / Equipment Blank
(Field-cleaned) or (Lab-cleaned)
Time: _____ (24 hr.)
Van Dorn Equipment ID: _____ Collected by: _____

Photos Taken? Yes / No / Not Due (Required for all Status sites. Required annually for Trend sites.)

Fuel Powered Equipment Used? (e.g. boat motor) Yes / No

Access Method for Sample Collection (circle one):

Wading / Bank or Structure (e.g. bridge, dock) / Motorized Boat /

Non-Motorized Boat (e.g. canoe, kayak) / Air Boat / Other _____

Weather Conditions: Sunny Hot
(comment on back if weather may affect water quality parameter values)

Personnel/Visitors On Site: Frank Butera
Mike King



Z1-SL-12031

Z1SL12031 Z1-SL-12031 LITTLE SPRING LAKE

PLACE QA/QC LABEL HERE
(if blank collected at this site)

Station Name (Random ID for Status): Z1-SC-12031Date: 10/03/2018

SEDIMENT INFORMATION (for Lakes only)

☐ N/A (Site not a lake or no samples collected. If no samples collected, please state why in comments.)Collection Depth: 3.7 (meters)
(Total Water Depth)Collection Time: 12:15 (24 hr.)
(Different than surface and bottom time in Field Measurements section)Collection Interval: (Circle) Top 3-5 cmOther: _____ (cm)
(If top 3-5 is too flocculent)

General Sample Collection Area: _____

(Describe: near shore, central, north side near dock, etc.)
Center

Sample Collection Device: (Circle One)

Corer

Eckman

Petite Ponar

Equipment ID: EK-1

Sediment Type: (Circle All That Apply)

Clay/Silt

SandGravel/Shell Rubble*Organic Muck

* (very fine-grained flocculent organic material)

Sediment Odors: (Circle One)

Normal

Sewage

Petroleum

Hydrogen Sulfide

Other: _____

Sediment Color: Brown/whiteNumber of Grabs Collected (3 minimum): 4Collected by: Mike King

BIOASSESSMENT INFORMATION

Stream Condition Index Information (Appropriate Trend sites)

Was the SCI sample collected? Yes / No / Not Due / NA (not an appropriate Trend site)Collection Time: _____ (24 hr.)
(Different than surface and bottom time in Field Measurements section)

If site was an appropriate Trend stream or river but "NO" was selected, why was the SCI not collected (flooded, <0.05 m/s velocity, etc.)?

Collected by: _____

Habitat Assessment Information (All Status Streams, Rivers, & Canals; Trend sites appropriate for SCI)

Was the HA performed? (Circle One) Yes / No / Not Due / NA (site not a Status Stream/River/Canal or appropriate Trend site)

If site was a stream, river or canal but "NO" was selected, why was the HA not performed (dangerous site conditions, etc.)?

Q10 ID 79298
HA ID 15710Performed by: F. Butler

Rapid Periphyton Survey Information (Trend sites appropriate for SCI)

Was the RPS performed? (Circle One) Yes / No / Not Due / NA (not an appropriate Trend site)

ALGAL-ID sample collected? (circle one) Yes No

If site was an appropriate Trend stream or river but "NO" was selected, why was the RPS not performed (dangerous site conditions, etc.)?

Performed by: _____

Linear Vegetation Survey Information (Trend sites appropriate for SCI) / Lake Vegetation Index Information (Status Lakes)

Was the LVS performed? (Circle One) Yes / No / Not Due / NA (not an appropriate Trend site)Number of Plant ID specimens collected: 4Was the LVI performed? (Circle One) Yes / No / Not Due (LVI performed previous year) / NA (not a Status Lake)If site was an appropriate Trend stream or river but "NO" was selected, why was LVS not performed (<2 m² aquatic vegetation, dangerous site conditions, etc.)?

If site was a Status Lake but "NO" was selected, why was LVI not performed (LVI will be performed at later date, dangerous site conditions, etc.)?

LVI. Macro ID 1249Performed by: F. Butler

Comments: Include information such as: estimated level of impact to the system (ex. obvious pollution, etc.), any variations from normal preservation protocols (ex. adding more than 1 vial acid, etc.), any problems experienced with collecting samples (ex. sediment grab 1 lost due to fall-out, etc.), any site specifics (ex. dense submerged vegetation, etc.), any site conditions (ex. recent heavy rains, etc.), description of any photos taken, etc., any qualifiers needed (ex. "J" for failed calibration verification, etc.), etc.

Ref:
Dep:Date: 07Sep18
Wgt: 15.00 LBS
DV: 0.00SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Sampler Names:

Frank Butler
(Please PRINT)Mike King
(Please PRINT)

(Please PRINT)

Sampler Signatures:

[Signature][Signature]

OFFICE USE ONLY

Reviewed for completion by:

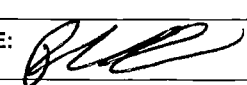
Date:

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 79298 MACROPHYTE ID: 11249 LATITUDE: N 30.50024 30.52051
 COUNTY: Washington (Vernon) STORET #: 5431 LONGITUDE: W 85.72723 -85.63476
 DATE: 10/3/2018 TIME: 11:40 CTZ SAMPLING AGENCY: FL DEP - NWROC (21FLPNS)
 SITE NAME: Z1-SL-12031 Z2-SL-12031 WBID: 526-686A
 FIELD ID/NAME: Z1SL12031 LAKE SIZE: 40.3 acres RQ: 2018-09-03-12
 WATERSHED / LAKESIDE FEATURES LIMS ID 2031497

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category - from GIS):				LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer)			
Forest/Natural	Silviculture	Field/Pasture	Agricultural	Residential	Commercial	Industrial	Other (Specify)
☒	☒	☐	☐	☐	☐	☐	☐
Local Watershed Erosion (select one): ☒ None ☐ Slight ☐ Moderate ☐ Heavy				Artificially Impounded			
Local Watershed NPS Pollution: ☒ No evidence ☐ Slight ☐ Moderate ☐ Heavy				☐ Yes ☒ No			
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	
<u>20</u>		20 19 18 17 16		15 14 13 12 11		10 9 8 7 6	
LAKESIDE ALTERATIONS		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)	
<u>20</u>		20 19 18 17 16		15 14 13 12 11		10 9 8 7 6	
BUFFER ZONE		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	
<u>20</u>		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 ☐ 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>0:31</u> <u>12:40</u> <u>29.46</u> <u>5.85</u> <u>7.00</u> <u>91.7</u> <u>17</u> <u>0.01</u> Mid-Depth: _____ Bottom: <u>12:05</u> <u>12:30</u> <u>28.16</u> <u>5.56</u> <u>1.83</u> <u>23.4</u> <u>18</u> <u>0.01</u> Meter ID: <u>113529</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 ☐ Other (Specify): _____ ☐ Anaerobic				Additional Notes: <u>Very difficult to access.</u> 			
Weather Conditions: <u>Sunny, Hot, few clouds.</u>				Z1-SL-12031 Z1SL1809 Z1-SL-12031 LITTLE SPRING LAKE			
SAMPLING TEAM: Frank Butera, <u>Mike King</u>				SIGNATURE: 		DATE: <u>10/3/2018</u>	

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

Store/ WIN ID NUMBER:	DATE (M/D/Y)	LAKE NAME:		FIELD ID / NAME:
ECO-REGION: <u>326</u> <u>WBID 636 A</u>	<u>10/30/08</u> COUNTY: <u>Washington</u>	<u>21- SL-12031</u> SAMPLING LOCATION/DESCRIPTION: <u>Vernon, FL</u> <u>Little Spring Lake, Vernon</u>		<u>21SL12031</u> LAKE SIZE: <u>10.2</u> Acres <u>9.7</u>
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 Or VOB	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
	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 >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	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	COMMENTS:			
<u>135</u>				

ANALYSIS DATE:	ANALYST:	SIGNATURE:
<u>10/01/2008</u>	<u>Frank Butera,</u>	

SBIO ID:

79298

HA ID:

15710

RQ-2018-09-03-12

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: Z1-SL-12027 (Balt Lake) 12031		County: Washington (Vernon)		Date: 10/03/2018	
Analyst: F. Butera		Signature: <i>F. Butera</i>		STORET: 5434	
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 5434 <i>LIMS</i>	2031497	1	4	7	10
SPECIES 79298		2	5	8	11
Acer rubrum					
Alternanthera philoxeroides					
Andropogon sp.		1	1	1	
Azolla filiculoides (A. caroliniana)					
Baccharis sp.					
Bacopa caroliniana					
Bacopa monnieri					
Bidens laevis					
Bidens mitis					
Blechnum serrulatum					
Boehmeria cylindrica					
Brasenia schreberi				1	
Cabomba caroliniana					
Casuarina equisetifolia					
Centella asiatica				1	
Cephalanthus occidentalis					
Ceratophyllum demersum					
Chara sp.					
Cladium jamaicense					
Cliftonia monophylla					
Colocasia esculenta					
*Commelina					
Crinum americanum					
*Cyperus alternifolius (C. involucratus)					
Cyperus articulatus					
Cyperus haspan					
*Cyperus lecontei					
*Cyperus polystachyos					
*Cyperus odoratus					
*Cyperus surinamensis					
Cyrtilla racemiflora		1	1	1	
Decodon verticillatus					
Diodia virginiana					
*Echinochloa crus-galli					
*Echinochloa muricatum					
Echinochloa walteri					
Eclipta prostrata (E. alba)					
Egeria densa					
Eichhornia crassipes					
*Eleocharis baldwinii		1	1	1	
*Eleocharis					
Eleocharis cellulosa					
Eleocharis equisetoides					
Eleocharis interstincta					
*Eriocaulon compressum				1	
*Eriocaulon decangulare					
Eupatorium capillifolium		1	1	1	
*Fuirena					
Fuirena scirpoidea					
Gordonia lasianthus					
Macro ID 5434 <i>11249</i>		1	4	7	10
SPECIES		2	5	8	11
Habenaria repens					
Hydrilla verticillata					
Hydrocotyle sp.					
Hygrophila polysperma					
*Hypericum fasciculatum					
*Hypericum hypericoides					
*Hypericum myrtifolium					
Ilex cassine					
Ipomoea aquatica					
Ipomoea sagittata					
Itea virginica					
Juncus effusus					
*Juncus marginatus					
*Juncus megacephalus <i>polyceph</i>					1
Juncus repens					
*Juncus scirpoides					
Lachnanthes caroliniana					
Leersia hexandra				1	1
Landoltia punctata (Spiro. punctata)					
Lemna sp.					
Leucothoe racemosa (E. racemosa)					
Limnobia spongia					
Limnophila sessiliflora					
Liquidambar styraciflua					
*Ludwigia arcuata					
*Ludwigia leptocarpa					
*Ludwigia linearis					
*Ludwigia octovalvis					
*Ludwigia peruviana					
*Ludwigia repens					
*Ludwigia					
Luziola fluitans (H. carolinensis)					
Lyonia lucida					
Magnolia virginiana					
Mayaca fluviatilis					
Melaleuca quinquenervia					
Micranthemum glomeratum					
Micranthemum umbrosum					
Mikania scandens					
Mimosa pigra					
Myrica cerifera					
<i>Amphicarpum</i>		1	1		✓
<i>Eriocaulon sp</i>		1	1	1	✓ A.D. wry
<i>Hypericum fasciculatum</i>		1	1	1	
Z1-SL-12031					



Z1-SL-12031

Z1SL12031 Z1-SL-12031 LITTLE SPRING LAKE

79298

Revision Date: March 1, 2014

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

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

Date: 10/3/2017		Name of Lake: Z1-SL-12027 UnNamed Pond		Gear used: PONAR <u>EKMAN</u> OTHER	
Comments: Z1-SL-12031 WBID 626A					
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		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	3.7	* sand, silt/clay, CPOM, muck , SAV

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

WIN ID: 54311

Field ID: Z1-SL-12031
74298

Project: Status Small 2018

SBIO ID: 79298

WBID 520

RQ-2018-09-03-12

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

Photo Log

Storet

Station Name: Z1-SL-12027. Bait Lake

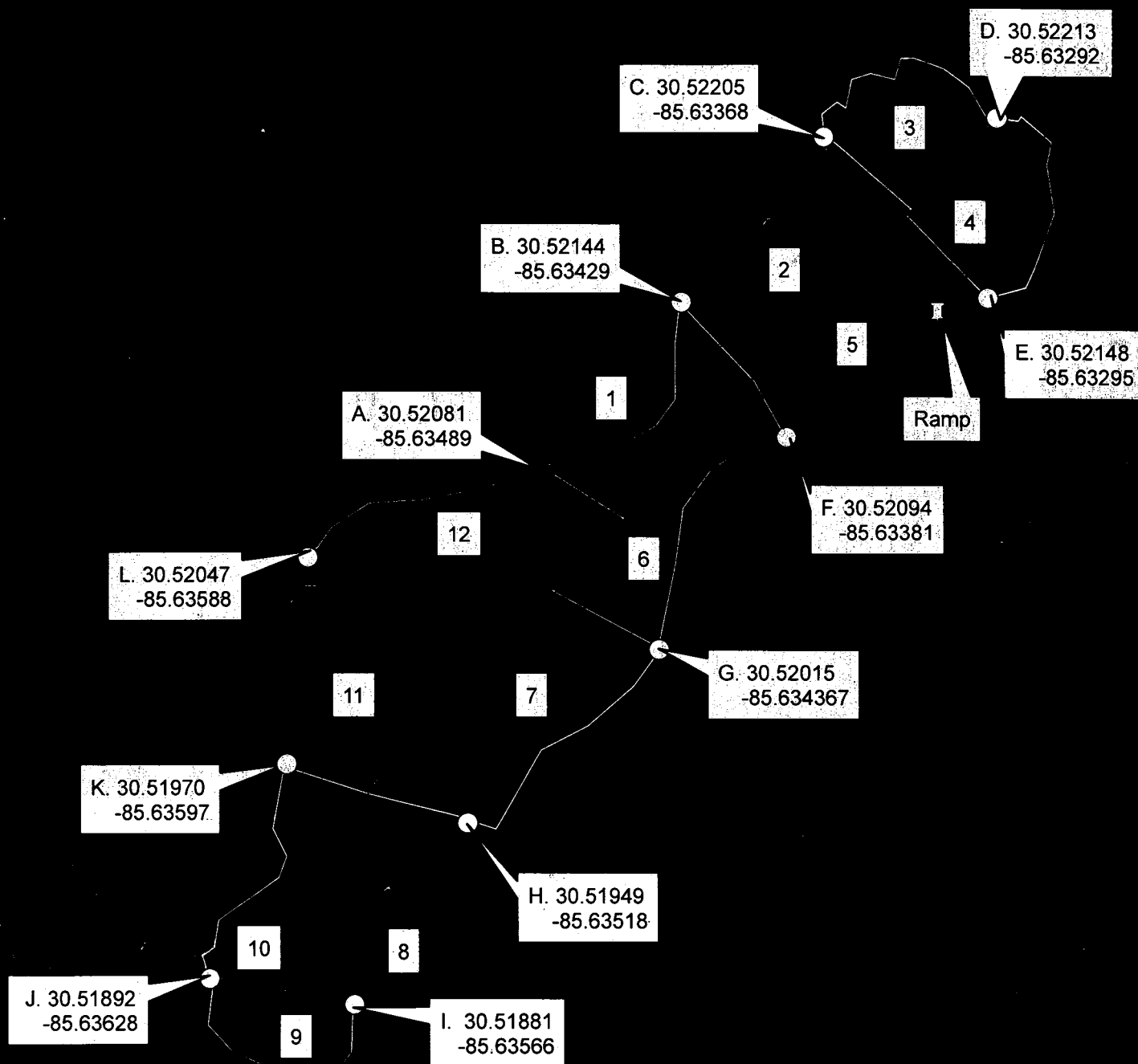
Date: ~~10/18~~ 10/03/2018

Samplers: F. Butera, M. King

- 1 ~~Pan~~ Zizania florescens
- 2 Zizania leaf
- 3 ~~Amphicarpum florescens~~
- 4 Amphicarpum florescens
- 5 Hypericum lissophloeum
- 6 Eriocaulon
- 7 Sub 5 lobed S ~~8~~ buds 9
- 8 Utricularia floridana
- 9 White Solidago specimen
- 10 White ~~Solidago~~ Solidago herb
- 11 Center North
- 12 Center East
- 13 Center South
- 14 Center West
- 15 _____
- 16 _____
- 17 _____

Notes.

Z1-SL12031. Little Spring Lake
WBID 686A. Washington Co.
30.52051 -85.63476



Z1-SL-12031

Status Storet	TBD
Receiving Water	The Deadenings Drain
Basin, WBID	Saint Andrew's Bay, 686A
City, County	Vernon, Washington County
Lake Acreage	9.7
Circumference (M)	1290
Seg. Length (M)	107.5

	Location	Dec. Latt.	Dec. Long.
	Storet	30.52051	-85.68561
	A	30.52081	85.63489
2	B	30.52144	85.63429
	C	30.52205	85.63368
	D	30.52213	85.63292
5	E	30.52148	85.63295
	F	30.52094	85.63381
	G	30.52015	85.63437
8	H	30.51949	85.63518
	I	30.51881	85.63566
	J	30.51892	85.63628
11	K	30.51970	85.63597
	L	30.52047	85.63588