



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

STRATEGIC MONITORING PLAN FIELD SHEET

January 2022

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: Wright Basin

Date: 5/24/2022

WIN/Field ID: G4NW0028

WBID: 24AD

ENR:

Latitude: 30.63733

County: Santa Rosa

Org ID: 21FLPNS

Longitude: -87.00781

Receiving Body of Water: Blackwater River

RQ: 2022-05-23-27

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Frank Butera	x		x		
☒	Lauren McNally		x		x	x
☐						
☐						

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☒ Syringe	☐ Pole
Depth measured with: Meter	
Secchi Equipment ID:	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☒ Gasoline Motor

Water Level: ☐ Normal ☐ Low ☒ High ☐ Dry ☐ Pooled ☐ Flooded						Meter ID# 154179 (PRODSS)						
Photos: YES	Flow: NA			Tide:		Tide Times: High: Low:						
Biological Samples Collected: ☐ None ☒ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☒ LVI Other:												
SBIO ID Numbers: Visit ID: 84637. HA ID 17478. MacroID 12194												
Notes: OVERCAST, BREEZY.												

Duplicate Sample

Time Zone: CEN	Time:	Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID:			

Blank

Time Zone:	Time:	Field ID:	(Blank Type_DDMMYYYY)
DI Source:	Location:		
DI Type:	Equipment ID:		
DI Container (Name/ID):		DI Container Type:	

LIMS EVENT ID: 2329784

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT:

(Initials/Date)

QC Station ID, Field Parameters In LIMS DMT:

(Initials/Date)

Scan/Save Field Sheets FB / 5-24-2022

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(Initials/Date)



RQ-2022-05-23-27
Customer: NW-DIST
Project ID: STRATEGIC MONITORING PLAN

Collected By: Frank Butera, Lauren McNally
Field Report Prepared By: Frank Butera
Sampling Agency: FDEP

Place Label Here WIN ID/Field ID: G4NW0028 Location: Wright Basin						Comments:					
Matrix: Fresh						(Check one) ☒ GRAB ☐ COMPOSITE					
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT _h)	
5/24/2022	1215 CEN	7.47	92.2	26.2	5.63	0.3	1.6 ☐ VOB (S)	1.96	111.4	0.05	
	1226 CEN	7.15	86.6	25.2	5.59	1.46	Central Lab please use top row for login purposes		96.4	0.04	
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group	
Preserved Nutrients (P-500ML)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice ☒ H2SO4*		☐ <2	1	A	
		Lot #	SA1308030		Exp:	12/01/2022					
Metals (P-500ML)		☒ W-ICPMS ☒ W-ICP ☒ W-HARD				☒ Ice ☐ HNO3*		☒ <2	1	A	
		Lot #	NA1105100		Exp:	060/07/2022					
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☐ Ice			1	A	
		Filter Lot #	1746095			Syringe Lot #	1363514				
BOD (BP-1L)		☐ OV-BODUNIN				☐ Ice					
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	A	
Physical/Aggregate (Fresh) (P-1L)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice			1	A	
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-F / W-TSS / TURBIDITY				☐ Ice					
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				☐ Formalin					
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice					
Microbiology (Contract Lab Bottle)		☐ E Coli ☐ Coli ☐ Enterococci ☐ Contract Lab				☐ Ice					
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐				☐ Ice					
Tracers (BG-500ML)		☒ W-E8321-DI ☒ W-E8321-MS				☒ Ice		MCAA Exp.	1	A	
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI		WE8321-MS		W-PSNP-TQ		W-CT-CL-R		MCAA Lot#	
		W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-TR-SQ-R					
		W-PCB-TQ-R									
Phytoplankton/Periphyton				DTY-QN-C		PKD-QN-C		☐ Ice			
Name: Frank Butera Lauren McNally					Signature:					Date: 05/24/2022	

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

Site Name Center of Wright Basin

Date: 05/23/2022

Storet G4NW0028

Field ID G4NW0028

Project: SMP / TMDL Studies

Visit ID 84637

RQ: 2022-05-23-27

Macro ID 12194

LIMS ID: 2329784

HA ID 17478

WBID: 24AD

☒ LVI

☒ Sample Site Created in SBIO

☒ Phys/Chem entered in SBIO

☒ HA entered in SBIO Initial FB/ 7-11-22

☒ Date and Initial QA: 7/14/2022 SS HA Score 78

☒ LVI entered in SBIO Initial FB/ 7-11-22

☒ Date and Initial QA: 7/14/2022 SS

☒ Plants getting verified

☒ Date submitted: In House

☒ Plants verified

☒ Date returned: In House

☒ Macro ID authorized in SBIO

☐ Date and Initial: 7/18/2022 FB

☒ Macro ID score: 81

☒ If SMP, scanned into database

Notes:

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: G4NW0028

MACROPHYTE ID: 84637

LATITUDE: N 30.63733

COUNTY: Santa Rosa

STORET #: G4NW0028

LONGITUDE: W -87.00781

DATE: 5/24/2022

TIME: 12:15

SAMPLING AGENCY: FL DEP - NWROC

SITE NAME: Wright's Basin

WBID: 24AAD

FIELD ID/NAME: G4NW0028

LAKE SIZE: 161 RQ: 2022-05-23-27

WATERSHED / LAKESIDE FEATURES

LIMS ID: 2329784

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: N/A				
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:				
STORMWATER INPUTS 9		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 12		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 12		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 # CA1308030 Exp. Date: 12/6/2022 Alkalinity Sample Taken? ☒ Yes ☐ No Water Level ☐ Low ☐ Normal ☒ High				Water Odors: ☒ Normal ☐ Sewage ☐ Petroleum ☐ Other			
Meter Readings: Top: 0.3 26.2 5.63 7.47 92.2 111.4 0.05 Mid-Depth: Bottom: 1.46 25.2 5.59 7.15 86.6 96.4 0.04 Meter ID: 154179				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 SECCHI (M) 1.6 Total Station Depth (M) 1.9 VOB			
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: 2-38 0.06" last 24 hrs 2-31" Prev: FL hrs			
Weather Conditions: Overcast							
SAMPLING TEAM: Frank Butera, Lauren McNelly				SIGNATURE:		DATE: 5/24/2022	

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

STORET STATION NUMBER: G4NW0028	DATE (M/D/Y) 05/24/2022	LAKE NAME Wright's Basin		FIELD ID / NAME G4NW0028																
WBID: 24AD	COUNTY: Santa Rosa	SAMPLING LOCATION/DESCRIPTION: Milton.		LAKE SIZE: 161																
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																
Secchi	Secchi >3 m Or VOB	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			
	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	78																			
COMMENTS:																				

ANALYSIS DATE: 5/24/2022	ANALYST: Frank Butera	SIGNATURE: 
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SBIO Sample ID: 84637

HA ID: 17478

QC: SS / 7/14/2022

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: Wright's Baswin					County: Santa Rosa					Date: 5/24/2012				
Analyst: F. Butera					Signature: Frank Butera					STORET: G4NW0028				
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>84637</u>	2	5	8	11	Collect ed? (✓)	Macro ID <u>12194</u>	2	5	8	11	Collect ed? (✓)			
SPECIES						SPECIES								
Acer rubrum	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	1	1					
Bacopa caroliniana			1	1		*Hypericum hypericoides								
Bacopa monnieri						*Hypericum myrtifolium								
Bidens laevis						Illex cassine								
Bidens mitis						Ipomoea aquatica								
Blechnum serrulatum						Ipomoea sagittata								
Boehmeria cylindrica		1				Itea virginica			1					
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	1		1	1		Landoltia punctata (Spiro. punctata)								
Cliftonia monophylla		1	1	1		Lemna sp.								
Colocasia esculenta	1	1	1	1		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	1							
Cyrtilla racemiflora	1	1	1	1		*Ludwigia	1				C			
Decodon verticillatus						Luziola fluitans (H. carolinensis)								
Diodia virginiana						Lyonia lucida	1	1	1					
*Echinochloa crus-galli						Magnolia virginiana	1	1	1					
*Echinochloa muricatum						Mayaca fluviatilis		1	1	1				
Echinochloa walteri						Melaleuca quinquenervia								
Eclipta prostrata (E. alba)	1	1				Micranthemum glomeratum								
Egeria densa						Micranthemum umbrosum								
Eichhornia crassipes						Mikania scandens								
*Eleocharis baldwinii	1					Mimosa pigra								
*Eleocharis vivipara			1			Myrica cerifera	1	1						
Eleocharis cellulosa						<i>Myrica</i>	1							
Eleocharis equisetoides						<i>Juncus fraserianus</i>	1							
Eleocharis interstincta						<i>Unknown</i>	1				C			
*Eriocaulon compressum						<i>Eriocaulon</i>	1							
*Eriocaulon decangulare	1	1	1	1		<i>Chorizanthe</i>	1				1			
Eupatorium capillifolium						<i>Eleocharis</i>								
*Fuirena						<i>Juncus polycephalus</i>								
Fuirena scirpoidea														
Gordonia lasianthus														
LIMS ID: 2329784														

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

Waterbody: Wright's Creek		Storet: G4NW0028		Date: 05/24/2022		SBIO ID 84637		Macro ID 12194			
SPECIES	2	5	8	11	Collect ed? (✓)	SPECIES	2	5	8	11	Collect ed? (✓)
Myriophyllum aquaticum						Salix caroliniana					
*Myriophyllum heterophyllum						Salvinia minima					
*Myriophyllum laxum						Sambucus canadensis					
*Myriophyllum pinnatum						Sapium sebiferum					
Myriophyllum spicatum						Saururus cernuus					
*Najas filifolia						Schinus terebinthifolius					
*Najas guadalupensis						*Schoenoplectus californicus					
*Najas minor						*Schoenoplectus pungens					
Nelumbo lutea						*Schoenoplectus tabernaemontani					
Nitella spp.						Scirpus cubensis (Oxycaryon cubense)					
Nuphar sp.						Scirpus cyperinus					
Nymphaea odorata						*Sesbania					
Nymphoides aquatica						Solidago sp.					
Nyssa sylvatica var. biflora						Sparganium americanum					
Orontium aquaticum						Spartina bakeri					
Osmunda cinnamomea						Spirodela polyrhiza					
Osmunda regalis						Taxodium sp.					
Panicum hemitomon						Thalia geniculata					
Panicum repens						Thelypteris palustris					
Paspalidium geminatum						Triadenum virginicum					
*Paspalum repens						Typha sp.					
Paspalum urvillei						Urochloa mutica (Brachiaria mutica)					
Peltandra sp.						*Utricularia gibba (U. biflora)					
Persea sp.						*Utricularia floridana					
Pennisetum purpureum						*Utricularia foliosa					
Phragmites australis						*Utricularia inflata					
Pinus elliotii						*Utricularia purpurea					
Pistia stratioides						*Utricularia cornuta					
Pluchea sp.						*Utricularia radiata					
*Polygonum glabrum (densiflorum)						Vallisneria americana					
*Polygonum hydropiperoides						*Websteria confervoides					
*Polygonum punctatum						Wedelia trilobata (Sphag. trilobata)					
*Polygonum						Wolffiella spp.					
Pontederia cordata						Woodwardia virginica					
*Potamogeton diversifolius						Xyris sp.					
*Potamogeton illinoensis						Zizania aquatica					
*Potamogeton pusillus						Zizaniopsis milacea					
*Potamogeton pectinatus (Stuck. pectinatus)						Rhynchospora long seah					
Proserpinaca pectinata						Vitis					
*Rhexia						S. L. degen					
*Rhynchospora corniculata											
*Rhynchospora inundata											
Rhynchospora tracyi											
Ricciocarpus natans											
Sabal palmetto											
Sacciolepis striata											
*Sagittaria filiformis											
*Sagittaria graminea											
*Sagittaria isoetiformis											
Sagittaria lancifolia											
Sagittaria latifolia											
Nymphoides corymbosa											
LIMS ID: 2329784						*Schoenoplectus tabernaemontani = Scirpus validus					

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

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

Date: 5/24/2022		Name of Lake: Wright's Basin		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	1	sand, silt/clay, CPOM, muck, SAV	7		sand, silt/clay, CPOM, muck, SAV
2	2.0	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		sand, silt/clay, CPOM, muck, SAV

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

Storet G4NW0028
WBID 24AD

Field ID G4NW0028

Project. SMP

SBIO ID: 84637

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

Photo Log

Win ID / Storet: G4NW0028

Station Name: Wright's Basin

Date: 5/24/2022

Samplers: F. Butera

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

Notes.

Station: Center of Wright Basin
GPS Dec. 30.63733 x -87.00781
Storet: G4NW02028 WBID 24AD
Sample ID: 84637 Macro ID: 12194
RQ-2022-05-23-27

Sampled : 05/24/2022
Sampled By: F.Butera, L. McNally
Location: Milton, Santa Rosa
Receiving Waters: Blackwater River
LIMS ID: 2329784

	Taxa	2	5	8	11	Coll.	Verified
1	<i>Acer rubrum</i>	1					
2	<i>Bacopa caroliniana</i>			1	1		
3	<i>Boehmeria cylindrica</i>		1				
4	<i>Chamaecyparis thyoides</i>	1			1		
5	<i>Cladium jamaicense</i>	1		1	1		
6	<i>Cliftonia monophylla</i>		1	1	1		
7	<i>Colocasia esculenta</i>	1	1		1		
8	<i>Cyrilla racemiflora</i>	1	1	1	1		
9	<i>Eclipta prostrata</i> (E. alba syn.)	1	1				
10	<i>Eleocharis baldwinii</i>	1					
11	<i>Eleocharis vivipara</i> (submersed)			1			
12	<i>Erechtites hieraciifolius</i>	1					
13	<i>Eriocaulon decangulare</i>	1	1	1	1		
14	<i>Hydrocotyle</i> sp.	1	1	1			
15	<i>Hypericum brachyphyllum</i>			1	1		
16	<i>Hypericum fasciculatum</i>	1	1	1			
17	<i>Juncus effusus</i>			1			
18	<i>Juncus polycephalus</i>		1		1		
19	<i>Juncus trigonocarpus</i>	1					
20	<i>Ludwigia</i> (Unknown Nativity)*	1					
21	<i>Ludwigia repens</i>	1					
22	<i>Lycopus</i> sp.	1					
23	<i>Magnolia virginiana</i>	1	1		1		
24	<i>Mayaca fluviatilis</i>			1	1		
25	<i>Myrica cerifera</i>	1	1				
26	<i>Myriophyllum heterophyllum</i>	1	1	C		Y	FB
27	<i>Nuphar</i> sp.			1			
28	<i>Nymphaea odorata</i>	1	1	1	1		
29	<i>Nymphoides aquatica</i>	1	1	1	1		
30	<i>Nyssa sylvatica</i> var. <i>biflora</i>			1	1		
31	<i>Osmunda regalis</i>		1				
32	<i>Panicum repens</i>	C	1				
33	<i>Paspalum urvillei</i>	1					
34	<i>Peltandra</i> sp.	1		1	1		
35	<i>Phragmites australis</i>		1		1		
36	<i>Pontederia cordata</i>			1	1		
37	<i>Potamogeton diversifolius</i>		1		1		
38	<i>Rhynchospora inundata</i>	1		1		Y	FB
39	<i>Rhynchospora</i> sp.	1					
40	<i>Sagittaria lancifolia</i>	1	1	1	1		
41	<i>Sapium sebiferum</i>	1					
42	<i>Solidago</i> sp.	1		1	1		
43	<i>Taxodium</i> sp.	1	1		1		
44	<i>Triadenum virginicum</i>	1					
45	<i>Typha</i> sp.	1	1		1		
46	<i>Utricularia floridana</i>	C	D	C	1		
47	<i>Vitis</i> sp.	1					
48	<i>Woodwardia areolata</i>				1		

Taxa per section	30	21	20	24	Herb. Taxa	37
Exotic Present	4	2	0	1	Woody Taxa	9
Avg. taxa per section	12	Number of Taxa 46			Ferns	2
sections with exotics	3				Macro Algae	0
Exotic Taxa	4	Exotics per Section: 1.75			Total Taxa	48

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

Taxon	2	5	8	11
<i>Albizia julibrissin</i>	1			

Metric	Rep. 1	Rep. 2	Rep. 3	Rep. 4	LVI Average
LVI 2012	61	77	93	92	81
Native Percentage	84.85	90.91	100	95.83	92.90
FLEPPC Pct (Exotic)	9.09	9.09	0	4.17	5.59
Total Taxa	33	22	22	24	46
C of C over 7.0	21.21	22.73	31.82	37.5	28.32
Dominant Taxa	P. repens, U. floridana	Utrichularia floridana	M. heterophyl. U. floridana	N/A	U. floridana, P. repens, (+)
C of C Dominant	3.17	6.34	5.555		5.02

Wright's Basin

WIN ID G4NW0028
Receiving Water Blackwater River
Basin / WBID Blackwater River / 24AD
City, County Milton, Santa Rosa
Lake Acreage 161
Circumference (M) 4020
Seg. Length (M) 335

	Location	Dec. Latt.	Dec. Long.
Quadrant	Storet	30.63733	-87.00781
	A	30.64076	-87.00845
2	B	30.64057	-87.00690
	C	30.64017	-87.00404
	D	30.63735	-87.00335
5	E	30.63507	-87.00450
	F	30.63375	-87.00759
	G	30.63204	-87.01015
8	H	30.63352	-87.01292
	I	30.63535	-87.01184
	J	30.63785	-87.01099
11	K	30.64019	-87.01115
	L	30.64227	-87.01055

G4NW0028. Wright's Basin

Milton, Santa Rosa County

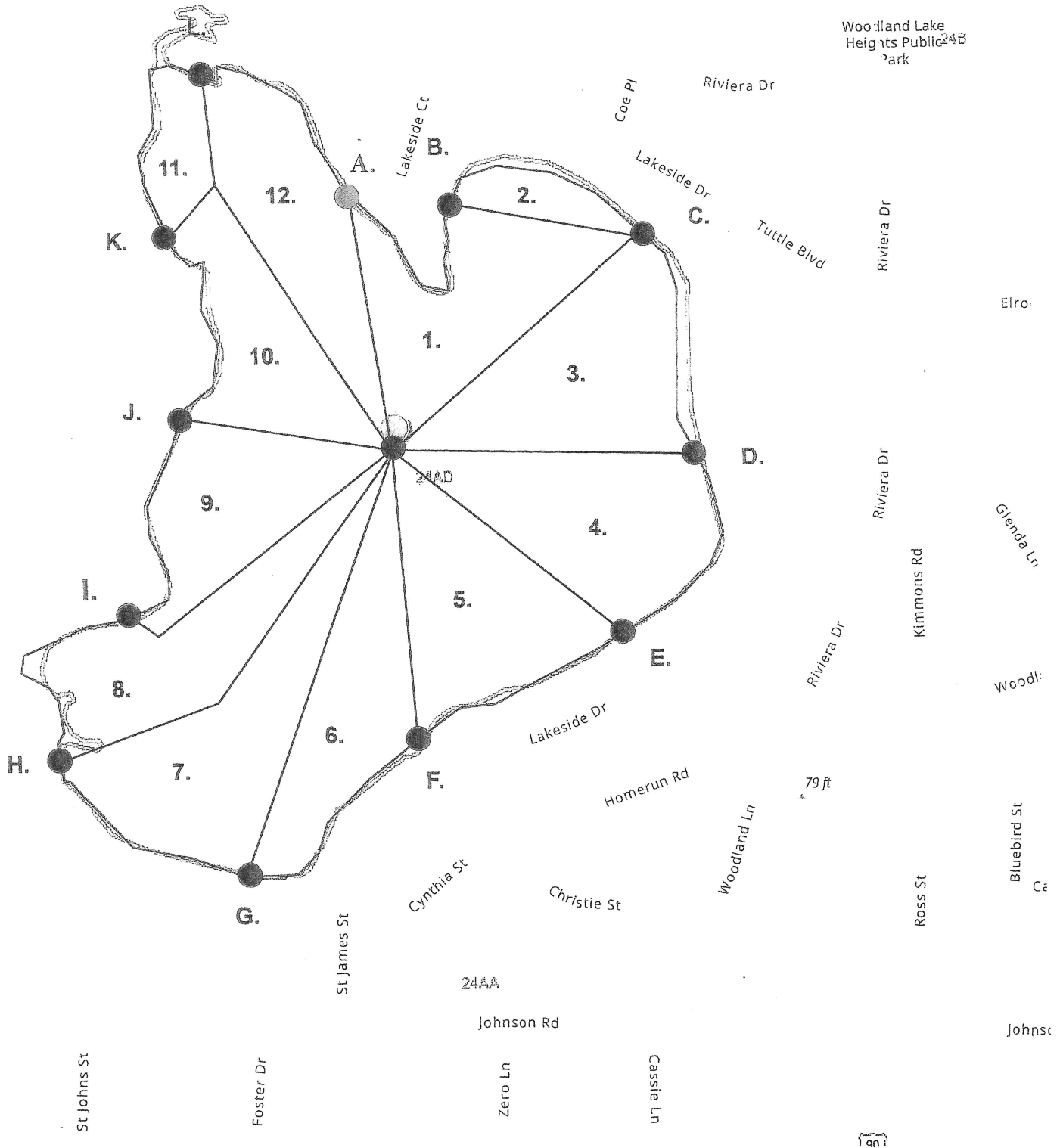
Marshall Rd

G4NW0028 WBID 24AD

Receiving Water. Blackwater River

30.63733, -87.00781

161 Acres



Butera, Frank

Subject: SMP LVI FB/
Location: Santa Rosa LVI's

Start: Tue 5/24/2022 8:00 AM
End: Tue 5/24/2022 3:00 PM

Recurrence: (none)

Ref:
Dep:

Date: 09May22
Wgt: 30.00 LBS

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

Meeting Status: Accepted

Sves: PRIORITY OVERNIGHT
TRCK: 5225 5546 8598

Organizer: Slade, Christopher "Stopher"
Required Attendees: Butera, Frank

✓ 9:24 EST
 5/25/2022

LVI	WBID	Kit	Qty	Bottle Group
Wrights Basin	24AD	Nutrients	1	A
		Metals	1	
		Tracers	1	
		W-TR-SQ-R/W-PSNP-TQ	1	
		LVI	1	B
		HA	1	
Backup site	WBID	Kit	Qty	Bottle Group
Woodbine Springs Lake	10EA	Nutrients	1	A
		Metals	1	
		Tracers	1	
		W-TR-SQ-R/W-PSNP-TQ	1	
		LVI	1	B
		HA	1	
RQ-2022-05-23-27				

Acid Lot
 SA 1348434
 Expires 12/01/2022

NA 1145144
 06/07/2022

Syringe 1363514

Filter 176
 1746495

Russel Harbor Landing Park
 60165 Old Harbor Rd
 Milton

34.63474, 87.02952