

GWIS**Generalized Water Information System
Database Utilities**

Recon Tracking

Existing Station

New SW Station

New GW Station

PK RANDOM SAMPLE LOCATION = Z3-SL-13017

County	PUTNAM	Quarter Quad	
WMD	ST. JOHNS RIVER WMD	HUC	LOWER ST. JOHNS
Random Latitude	29° 37m 30.0693s	Random Longitude	81° 42m 07.18323s

Is Z3-SL-13017 sampleable?☐ Yes ☐ No ☒ N/A**Exclusion Category:****Exclusion Criteria:(definitions):****Was Z3-SL-13017 sampled?**☐ YesMonth Day Year **Comments:**☒ Aerial Photo ☐ Quad Map ☐ No Image

Round lake used to sample

**DEP TIER 1
STATUS NETWORK SITE CHARACTERIZATION**

Stream/Water Body Name: **Round Lake**

Site ID	Latitude	Longitude	Type of Recon	Date of Recon
Z3-SL-13017			Site Visit	6/17/2019

Return Recon #1 _____

Return Recon #2 _____

Return Recon #3 _____

Resource Type	Secondary Resource Type
Small Lake	No 2nd Type
Desk Recon: 12/17/2019 By: Nate Gargas	Letter Sent:
Recon Team: Nate Gargas	

Site Location Address & Contact Information	Property Owner's Address
	Jennifer Tallerico
	128 Timber Lane N
	Palatka, FL 32177
	352-494-6749
Data Requested: YES	County: Putnam

Tidal Info: _____

Access and Permission
YES-VERBAL PERMISSION

Reason for Exclusion

Recon Result
For Site:

Z3-SL-13017

INCLUDE

ADDITIONAL NOTES

CALL BEFORE SAMPLING 48 hrs notice Jennifer Tallerico 352-494-6749
Additional Items: Jon Boat w/Trolling Motor

DIRECTIONS:

Access property address is 128 Timber Lane N Palatka FL 32177, From the district Take FL-100 E turn right onto N Moody Rd go ~1.7 miles, turn right onto FL-19 S go ~1.4 miles, turn right onto Timber Ln go ~292 feet house will be on your right. call ahead to get north side of house gate cleared otherwise you will have to carry John boat around south side of house.

FILES GENERATED:
(i.e. digital photos, GPS, etc.)

PHOTOS

Untitled Map

Write a description for your map.

Legend

 Z3-SL-13017

 Z3-SL-13017

Round Lake

Timber Ln N

Round Lake Rd

Timber Ln W

Timber Ln S

Herja Acres Ln

Google Earth

600 ft



Untitled Map

Write a description for your map.

Legend

 Z3-SL-13017

Google Earth



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

90719 (A)

STORET STATION NUMBER:	DATE (M/D/Y) 10/1/19	LAKE NAME Round Lake	FIELD ID / NAME:
ECO-REGION:	COUNTY:	SAMPLING LOCATION/DESCRIPTION: WIN-56303	LAKE SIZE:
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 ☐
HYDROLOGY			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) ☒
	Optimal	Suboptimal	Marginal
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
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6
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 ☒
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6
Stormwater Inputs	Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation 10 ☒	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 ☒
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6
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 ☒
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6
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 ☒
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6
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 ☒
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6
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
TOTAL SCORE	73		
COMMENTS:			
ANALYSIS DATE:	ANALYST:	SIGNATURE:	
10/1/19	John		

SAMPLE ID: <u>23-SL-13017</u>	MACROPHYTE ID: <u>26303</u>	LATITUDE: <u>29.62497</u>	
COUNTY: <u>Putnam</u>	STORET #: <u>N/A 56733</u>	LONGITUDE: <u>-81.70209</u>	
DATE: <u>10/1/19</u>	TIME: <u>1300</u>	SAMPLING AGENCY: <u>DEARNED</u>	
SITE NAME: <u>Round Lake</u>	WBID: <u>2601</u>	LAKE SIZE: <u>Small</u>	RQ: <u>2019-08-05-44</u> <u>Algae bloom</u>
FIELD ID/NAME: _____			

WATERSHED / LAKESIDE FEATURES

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: ☐	
Local Watershed Erosion (select one): ☐ None ☐ Slight ☒ Moderate ☐ Heavy						Artificially Impounded ☐ Yes ☒ No		Land Use Source & Year:	
Local Watershed NPS Pollution: ☐ No evidence ☐ Slight ☒ Moderate ☐ Heavy									
STORMWATER INPUTS <u>10</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 <u>10</u> 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>10</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) <u>10</u> 9 8 7 6		Highly developed or disturbed (>70% of lakeside affected) 5 4 3 2 1	
BUFFER ZONE <u>10</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 <u>10</u> 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 # <u>SA8344070</u> Exp. Date: <u>12/10/19</u> Alkalinity Sample Taken? ☐ Yes ☒ No Water Level ☐ Low ☒ Normal ☐ High						Water Odors: ☒ Normal ☐ Sewage ☐ Petroleum ☐ Other _____																																					
Meter Readings: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Depth (M)</th> <th>Temp. (°C)</th> <th>pH (SU)</th> <th>D.O. (MG/L)</th> <th>D.O. Sat. (%)</th> <th>Cond. (UMHO/CM)</th> <th>Salinity (PPT)</th> </tr> </thead> <tbody> <tr> <td>Top:</td> <td><u>0.3</u></td> <td><u>29.2</u></td> <td><u>7.15</u></td> <td><u>8.45</u></td> <td><u>101</u></td> <td><u>250</u></td> <td><u>0.12</u></td> </tr> <tr> <td>Mid-Depth:</td> <td><u>3.9</u></td> <td><u>27.3</u></td> <td><u>6.0</u></td> <td><u>6.0</u></td> <td><u>5.2</u></td> <td><u>255</u></td> <td><u>0.12</u></td> </tr> <tr> <td>Bottom:</td> <td><u>4.7</u></td> <td></td> <td></td> <td><u>0.43</u></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>							Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat. (%)	Cond. (UMHO/CM)	Salinity (PPT)	Top:	<u>0.3</u>	<u>29.2</u>	<u>7.15</u>	<u>8.45</u>	<u>101</u>	<u>250</u>	<u>0.12</u>	Mid-Depth:	<u>3.9</u>	<u>27.3</u>	<u>6.0</u>	<u>6.0</u>	<u>5.2</u>	<u>255</u>	<u>0.12</u>	Bottom:	<u>4.7</u>			<u>0.43</u>				Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____					
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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 #: <u>SA8344070</u> Exp Date: <u>12/10/19</u> Algal Bloom/Algal ID Sample Taken? ☒ Yes ☐ No Active Vegetation Mgmt? ☒ Yes ☐ No ☐ Don't Know						Abundance: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Absent</th> <th>Rare</th> <th>Common</th> <th>Abundant</th> </tr> </thead> <tbody> <tr> <td>Periphyton</td> <td>☐</td> <td>☐</td> <td>☒</td> <td>☐</td> </tr> <tr> <td>Nuisance Plants</td> <td>☐</td> <td>☐</td> <td>☒</td> <td>☐</td> </tr> <tr> <td>Submersed Plants</td> <td>☐</td> <td>☒</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>Exotic Apple Snails</td> <td>☐</td> <td>☐</td> <td>☒</td> <td>☐</td> </tr> </tbody> </table>							Absent	Rare	Common	Abundant	Periphyton	☐	☐	☒	☐	Nuisance Plants	☐	☐	☒	☐	Submersed Plants	☐	☒	☐	☐	Exotic Apple Snails	☐	☐	☒	☐	Additional Notes: <u>Flocks of algae</u>						
	Absent	Rare	Common	Abundant																																							
Periphyton	☐	☐	☒	☐																																							
Nuisance Plants	☐	☐	☒	☐																																							
Submersed Plants	☐	☒	☐	☐																																							
Exotic Apple Snails	☐	☐	☒	☐																																							
Weather Conditions: <u>Clear, Windy</u>																																											
SAMPLING TEAM: <u>B Davis, J Parrish</u>						SIGNATURE:		DATE: <u>10/1/19</u>																																			

Waterbody: <u>Round Lake</u>		County: <u>Pumpan</u>		Date: <u>10/1/19</u>							
Analyst:		Signature:		STORET: <u>56753 56303</u>							
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							
SPECIES	1	4	7	10	Collected? (✓)	SPECIES	1	4	7	10	Collected? (✓)
Acer rubrum						Habenaria repens					
Alternanthera philoxeroides	P	P	P	P		Hydrilla verticillata					
Andropogon sp.						Hydrocotyle sp.					
Azolla filiculoides (A. caroliniana)						Hygrophila polysperma					
Baccharis sp.						*Hypericum fasciculatum					
Bacopa caroliniana		P				*Hypericum hypericoides					
Bacopa monnieri						*Hypericum myrtifolium					
Bidens laevis						Ilex cassine					
Bidens mitis						Ipomoea aquatica					
Clethra serrulata						Ipomoea sagittata					
Boehmeria cylindrica						Itea virginica					
Brasenia schreberi						Juncus effusus					
Cabomba caroliniana						*Juncus marginatus					
Casuarina equisetifolia						*Juncus megacephalus					
Centella asiatica						Juncus repens					
Cephalanthus occidentalis	P		P	P		*Juncus scirpoides					
Ceratophyllum demersum						Lachnanthes caroliniana					
Chara sp.						Leersia hexandra					
Cladium jamaicense						Landoltia punctata (Spirodela punctata)					
Cliftonia monophylla						Lemna sp.					
Colocasia esculenta						Leucothoe racemosa (Eubotrys racemosa)					
*Commelina						Limnium spongiosa					
Crinum americanum						Limnophila sessiliflora					
*Cyperus alternifolius (C. involucratus)	P	P				Liquidambar styraciflua	P	P			
Cyperus articulatus						*Ludwigia arcuata					
Cyperus haspan						*Ludwigia leptocarpa					
*Cyperus lecontei						*Ludwigia linearis					
*Cyperus polystachyos						*Ludwigia octovalvis					
*Cyperus odoratus						* Ludwigia peruviana	P	P	P	P	
*Cyperus surinamensis						*Ludwigia repens					
Cyrtilla racemiflora						*Ludwigia					
Decodon verticillatus						Luziola fluitans (Hydrochloa carolinensis)					
Diodia virginiana						Lyonia lucida					
*Echinochloa crus-galli						Magnolia virginiana			P		
*Echinochloa muricatum						Mayaca fluviatilis					
Echinochloa walteri						Melaleuca quinquenervia					
Eclipta prostrata (E. alba)						Micranthemum glomeratum					
Egeria densa						Micranthemum umbrosum					
Eichhornia crassipes						Mikania scandens			P	P	
*Eleocharis baldwinii		P				Mimosa pigra					
*Eleocharis						Myrica cerifera	P	P	P	P	
Eleocharis cellulosa											
Eleocharis equisetoides											
Eleocharis interstincta											
*Eriocaulon compressum											
*Eriocaulon decangulare											
Eupatorium capillifolium											
*Fuirena											
Fuirena scirpoidea											
Gordonia lasianthus	P										

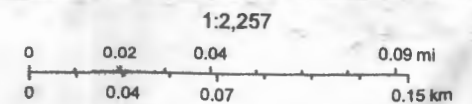
Can't locate
Cinnamomum camphora

[illegible]

Round Lake 23-SL-13017
~~Standard Map~~



September 27, 2019



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