

SAMPLE ID: _____ MACROPHYTE ID: _____ LATITUDE: _____
 COUNTY: _____ STORET #: 56302 LONGITUDE: _____
 DATE: 10/1/19 TIME: 1105 SAMPLING AGENCY: _____
 SITE NAME: unnamed SL-13009 WBID: _____
 FIELD ID/NAME: _____ LAKE SIZE: _____ RQ: _____

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 Local Watershed NPS Pollution : ☐ No evidence ☒ Slight ☐ Moderate ☐ Heavy										Artificially Impounded ☐ Yes ☒ No Land Use Source & Year:				
STORMWATER INPUTS <u>17</u>		Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation 20 19 18 <u>17</u> 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>15</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) <u>15</u> 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>15</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 <u>15</u> 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 ☐ 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>0.3</u> <u>28.6</u> <u>5.69</u> <u>5.72</u> <u>73.8</u> <u>36</u> <u>0.02</u> Mid-Depth: <u>5.7</u> <u>21.8</u> <u>5.40</u> <u>0.25</u> <u>2.8</u> <u>64</u> <u>0.03</u> Bottom: <u>6.4</u> _____ Meter ID: _____								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 ☒ ☐ ☐ ☐			
Weather Conditions :								SECCHI (M) <u>2.6</u> Total Station Depth (M) <u>6.4</u> VOB ☐			
Sediment Odors: ☒ Normal ☐ Other (Specify): _____ ☐ Anaerobic								Additional Notes:			
SAMPLING TEAM: <u>JP</u>								SIGNATURE: _____			
DATE: <u>10/1/19</u>											

56302 80722 (15)

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

STORET STATION NUMBER: 56302	DATE (M/D/Y) 10/1/19	LAKE NAME Unnamed lake 13009		FIELD ID / NAME:	
ECO-REGION:	COUNTY:	SAMPLING LOCATION/DESCRIPTION:		LAKE SIZE:	
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 ☐	
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		Secchi(m)		
☒	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	
☒	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	
☒	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	
☒	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	
☒	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	
☒	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	710				
COMMENTS:					

ANALYSIS DATE: 10/1/19	ANALYST: 	SIGNATURE:
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Waterbody: <u>unnamed SL-13009</u>	County: <u></u>	Date: <u>10/1/19</u>	
Analyst: <u>Wine SG302</u>	Signature: <u></u>	STORET: <u></u>	
Except where noted as "sp." species level identification required. *Genera that may require lab verification* Plants in <u>old</u> = 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 <u>3, 6, 9, 12</u>	
SPECIES	3 6 9 12 Collected? (✓)	SPECIES	3 6 9 12 Collected? (✓)
<i>Acer rubrum</i>		<i>Habenaria repens</i>	
<i>Aernanthera philoxeroides</i>		<i>Hydrilla verticillata</i>	
<i>Andropogon</i> sp.	PPP	<i>Hydrocotyle</i> sp.	PP
<i>Azolla filiculoides</i> (A. caroliniana)		<i>Hygrophila polysperma</i>	
<i>Baccharis</i> sp.		* <i>Hypericum fasciculatum</i>	PPP
<i>Bacopa caroliniana</i>		* <i>Hypericum hypericoides</i>	
<i>Bacopa monnieri</i>		* <i>Hypericum myrtifolium</i>	
<i>Bidens laevis</i>		<i>Ilex cassine</i>	PP
<i>Bidens mitis</i>	PPPP	<i>Ipomoea aquatica</i>	
<i>Blechnum serrulatum</i>		<i>Ipomoea sagittata</i>	
<i>Boehmeria cylindrica</i>		<i>Itea virginica</i>	
<i>Brauneria schreberi</i>	CDDD	<i>Juncus effusus</i>	
<i>Caesalpinia caroliniana</i>		* <i>Juncus marginatus</i>	
<i>Casuarina equisetifolia</i>		* <i>Juncus megacephalus</i>	
<i>Centella asiatica</i>		<i>Juncus repens</i>	
<i>Cephalanthus occidentalis</i>		* <i>Juncus scirpoides</i>	PP P
<i>Ceratophyllum demersum</i>		<i>Lachnanthes caroliniana</i>	PP P
<i>Chara</i> sp.		<i>Leersia hexandra</i>	PPPP
<i>Cladium jamaicense</i>		<i>Landoltia punctata</i> (<i>Spirodela punctata</i>)	
<i>Cliftonia monophylla</i>		<i>Lemna</i> sp.	
<i>Colocasia esculenta</i>		<i>Leucothoe racemosa</i> (<i>Eubotrys racemosa</i>)	
* <i>Commelina</i>		<i>Limnium spongiosa</i>	
<i>Crinum americanum</i>		<i>Limnophila sessiliflora</i>	
* <i>Cyperus alternifolius</i> (C. involucratus)		<i>Liquidambar styraciflua</i>	
<i>Cyperus articulatus</i>		* <i>Ludwigia arcuata</i>	
<i>Cyperus haspan</i>	PPPP	* <i>Ludwigia leptocarpa</i>	
* <i>Cyperus lecontei</i>		* <i>Ludwigia linearis</i>	
* <i>Cyperus polystachyos</i>		* <i>Ludwigia octovalvis</i>	
* <i>Cyperus odoratus</i>	PPPP	* <i>Ludwigia peruviana</i>	
* <i>Cyperus surinamensis</i>		* <i>Ludwigia repens</i>	
<i>Cyrtilla racemiflora</i>		* <i>Ludwigia</i> <u>superbosa</u>	PP PP
<i>Decodon verticillatus</i>		<i>Luziola fluitans</i> (<i>Hydrochloa carolinensis</i>)	
<i>Diodia virginiana</i>		<i>Lyonia lucida</i>	
* <i>Echinochloa crus-galli</i>		<i>Magnolia virginiana</i>	P
* <i>Echinochloa muricatum</i>		<i>Mayaca fluviatilis</i>	
<i>Echinochloa walteri</i>		<i>Melaleuca quinquenervia</i>	
<i>Eclipta prostrata</i> (E. alba)		<i>Micranthemum glomeratum</i>	
<i>Egeria densa</i>		<i>Micranthemum umbrosum</i>	
<i>Eichhornia crassipes</i>		<i>Mikania scandens</i>	
* <i>Eleocharis baldwinii</i>	PP	<i>Mimosa pigra</i>	
* <i>Eleocharis</i>		<i>Myrica cerifera</i>	PP P
<i>Eleocharis cellulosa</i>		<i>Eupatorium</i>	
<i>Eleocharis equisetoides</i>			
<i>Eleocharis interstincta</i>			
* <i>Eriocaulon compressum</i>			
* <i>Eriocaulon decangulare</i>			
<i>Eupatorium capillifolium</i>			
* <i>Fuirena</i>			
<i>Fuirena scirpoidea</i>	PPPP		
<i>Gordonia lasianthus</i>			

Site:	Date:
SPECIES	SPECIES
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 (Scirpus validus)
Nitella spp.	Scirpus cubensis (Oxycaryon cubense)
Nuphar sp.	Scirpus cyperinus
Nymphaea odorata	*Sesbania
Nymphoides aquatica	Solidago sp.
Nyssia sylvatica var. biflora	Sparganium americanum
Orontium aquaticum	Spartina bakeri
Osmunda cinnamomea	Spirodela polyrhiza
Osmunda regalis	Taxodium sp.
Panicum hemitomom	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 (Sphagneticola trilobata)
*Polygonum hirsutum	Wolffiella spp.
Pontederia cordata	Woodwardia virginica
*Potamogeton diversifolius	Xyris sp.
*Potamogeton illinoensis	Zizania aquatica
*Potamogeton pusillus	Zizaniopsis milacea
*Potamogeton pectinatus (Stuckenia pectinatus)	Junc. al. raven
Proserpinaca pectinata	
*Rhexia	
*Rhynchospora corniculata	
*Rhynchospora inundata	
Rhynchospora tracyi	
Ricciocarpus natans	
Sabal palmetto	
Sacciolepis striata	
*Sagittaria filiformis	
*Sagittaria graminea	
*Sagittaria isoetiformis	
Sagittaria lancifolia	
Sagittaria latifolia	

GWISGeneralized Water Information System
Database Utilities

Recon Tracking

Existing Station

New SW Station

New GW Station

PK RANDOM SAMPLE LOCATION = Z3-SL-13009

County	PUTNAM	Quarter Quad	
WMD	ST. JOHNS RIVER WMD	HUC	OKLAWAHA
Random Latitude	29° 36m 19.5191s	Random Longitude	81° 58m 54.1846s

Is Z3-SL-13009 sampleable?☐ Yes ☐ No ☒ N/A**Exclusion Category:****Exclusion Criteria:(definitions):****Was Z3-SL-13009 sampled?**☐ YesMonth Day Year **Comments:**☒ Aerial Photo ☐ Quad Map ☐ No Image*West of
Inlet area**Near Cooper Lake*

**DEP TIER 1
STATUS NETWORK SITE CHARACTERIZATION**

Stream/Water Body Name:

Site ID	Latitude	Longitude	Type of Recon	Date of Recon
Z3-SL-13009			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
	James Urbinati
	161 S County Rd 21
	Hawthorne , FL 32640
	340-513-8530
Data Requested:	County: Putnam

Tidal Info: _____

Access and Permission
YES-VERBAL PERMISSION

Reason for Exclusion

Recon Result
For Site:
Z3-SL-13009

INCLUDE

ADDITIONAL NOTES

CALL BEFORE RECON 24-48 notice Jim Urbinati 340-513-8530
Additional Items: Jon Boat w/Trolling Motor

DIRECTIONS:

Site access address is 161 S CR 21 Hawthorne FL 32640, From Palatka turn left onto FL-100 W go ~1.4 miles, turn left onto CR 309C go ~2.4 miles, turn right onto Motes Rd go ~1.0 miles, continue straight 0.4 miles, turn right onto FL-20 W go ~15.3 miles, turn left onto Co Rd 21 go ~0.6 miles, drive way on right immediately after school. Drive long and narrow, drive back do not go past corner of house carry john boat back to lake.

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

PHOTOS



St. Johns River Water Management District
4049 Reid Street
Palatka, FL 32177
386-329-4500



CA 24-46hs

AMBIENT MONITORING SITE INFORMATION
AND PERMISSION TO SAMPLE FORM

SITE NAME: JANEY STATION ID NUMBER: _____

SITE COORDINATES- LATITUDE: _____ LONGITUDE: _____

LOCATION DESCRIPTION: _____

_____ COUNTY: _____

ACCESS PROPERTY OWNER NAME: JIM URBINATI

ACCESS PROPERTY ADDRESS: 161 S COUNTY RD 21
HAWTHORNE FL 32640

OWNER MAILING ADDRESS: _____
(IF DIFFERENT FROM
ACCESS PROPERTY ADDRESS)

OWNER TELEPHONE NUMBER(S): 340-513-8530

HOURS OWNER MAY BE CONTACTED: 8:00 AM

CHECK APPROPRIATE BELOW

ARE YOU PRESENTLY USING THE WATER BODY _____ FOR:

☐ DRINKING

☒ RECREATION

☐ OTHER _____

I HEREBY GIVE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT OR ITS AGENT
PERMISSION TO ACCESS THE ABOVE WATER BODY LOCATED ON OR ADJACENT
TO MY PROPERTY TO COLLECT A WATER QUALITY SAMPLE.

JAMES URBINATI

PRINTED NAME OF LANDOWNER

James Uribnati
SIGNATURE OF LANDOWNER

I would like the results sent to the address above.

☒ YES

☐ NO

6/17/19
DATE

Untitled Map

Write a description for your map.

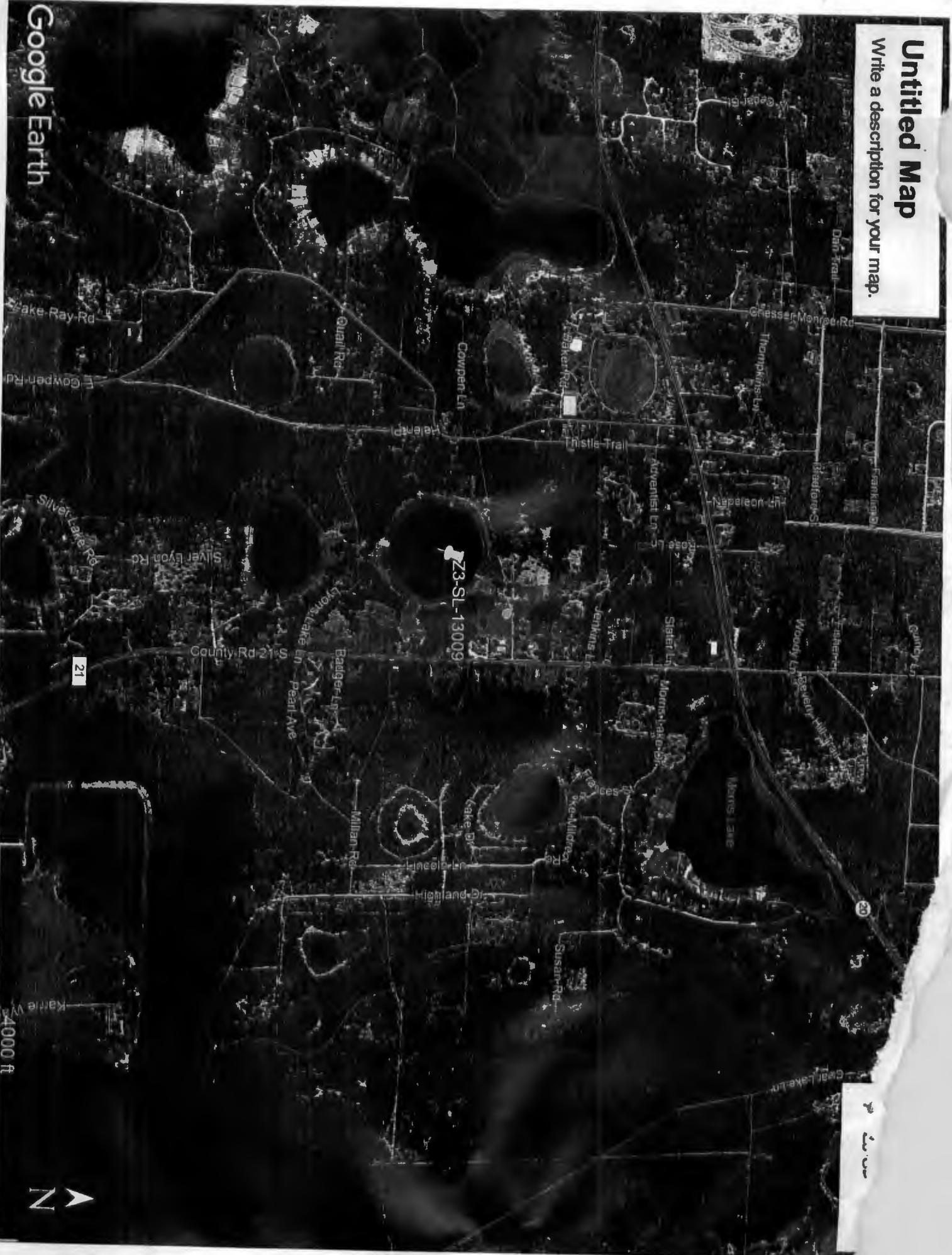
Legend



Google Earth

Untitled Map

Write a description for your map.



Google Earth



4000 ft