



MAP DIRECT PRACTICE EXERCISE

Stephanie Sunderman-Barnes

Division of Environmental Assessment and Restoration Florida
Department of Environmental Protection

Tallahassee, FL | August 27, 2026

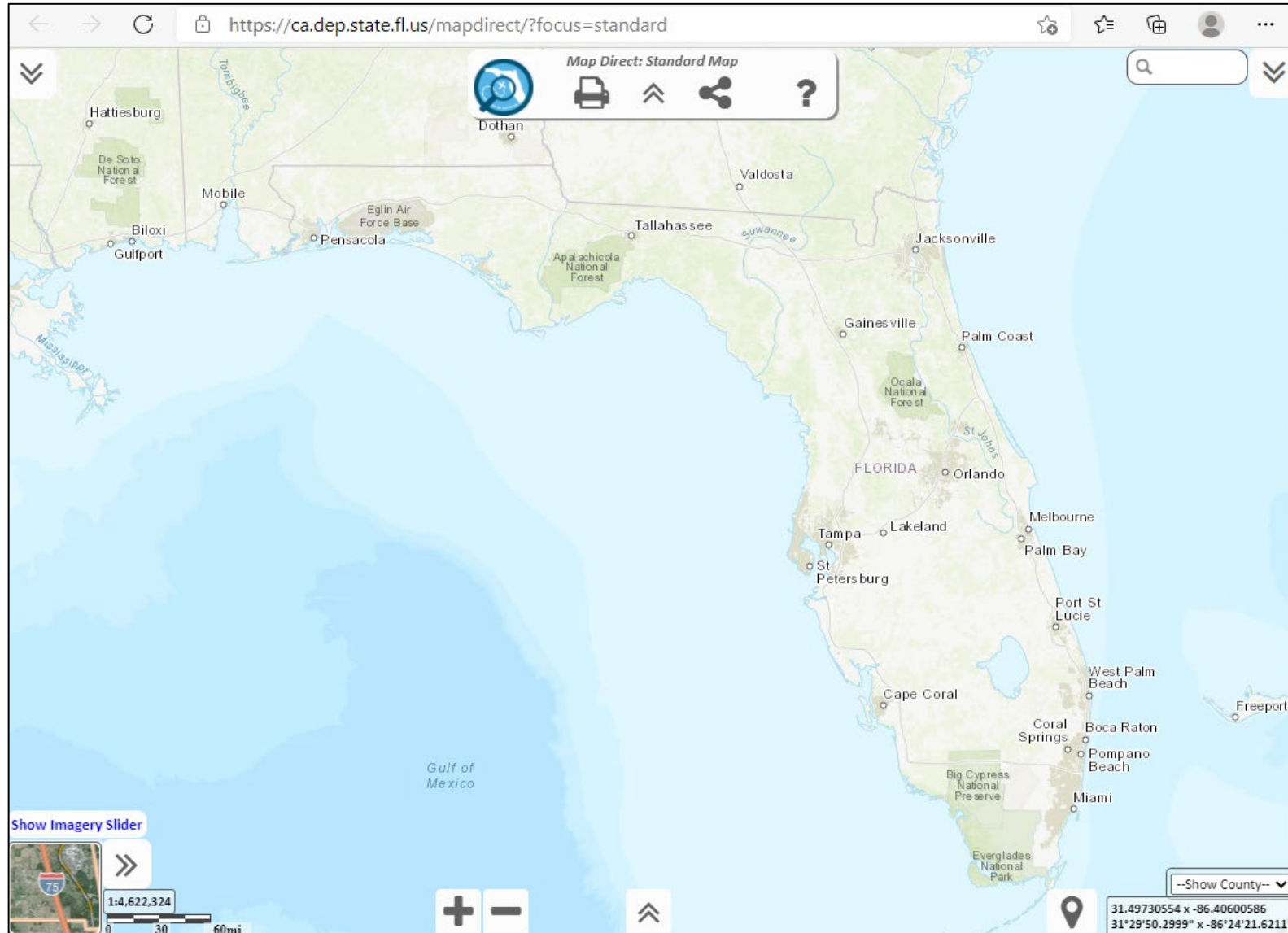


PRESENTATION OVERVIEW

- What is Map Direct?
- Open Map Direct from Generalized Water Information System (GWIS) Database Utilities.
- Display Status Network Sites on a Map.
- Explore Map Direct Interface.
- Explore Commonly Used Recon Tools.
- Save and Load Maps in Map Direct.
- Other Resources to Assist Your Recon.



WHAT IS MAP DIRECT?



Map Direct is an in-house developed, web-based, graphical mapping tool designed to assist users with data visualization and analysis.



WHAT CAN MAP DIRECT DO?

- Quickly display layers (no special software needed).
- Filter lists of features.
- Create customizable maps, export and save maps.
- Add layers from other online sources to map.
- Perform “what’s nearby” searches of other layers.
- Perform searches within polygon layers or buffer searches around a selected feature.

(See links provided at end of presentation
for additional Map Direct tutorials.)



LIMITATIONS OF MAP DIRECT

- Cannot perform advanced Geographic Information System (GIS) analyses.
- Cannot change symbology of layers.
- Cannot edit layers within the map.
- Limited support for adding offline data.
- Limited functionality on mobile devices.



PRACTICE EXERCISE:

ACCESS GWIS DATABASE UTILITIES

<https://prodapps.dep.state.fl.us/gwis/>

Florida Department of Environmental Protection

A-Z Index Forms News Events Contact Us

 About DEP How Do I Divisions Air Lands
Parks & Rec Waste Water

GWIS
Div of Environmental Assessment and Restoration

Home Help **Login**

Hello, **Guest**

Please login to access gwis reports.

GWIS — 1.0.35

Florida Department of Environmental Protection — For Business Issues or for Technical Assistance, call Service Desk (850) 245-7555 or Contact Us via email

 **BUSINESS PORTAL** **DEP Portal**
Enterprise Solutions

[Register](#) | Already have an account? [Sign In](#)

[Home](#) | [Sign In](#) Search the Site:

Sign In

If you've already registered with the DEP sign in below. DEP employees may use their network username to sign-in.

E-mail Address*: (e.g., wile.e.coyote@domain.com OR coyote_we)

Password*:

[I forgot my password.](#)

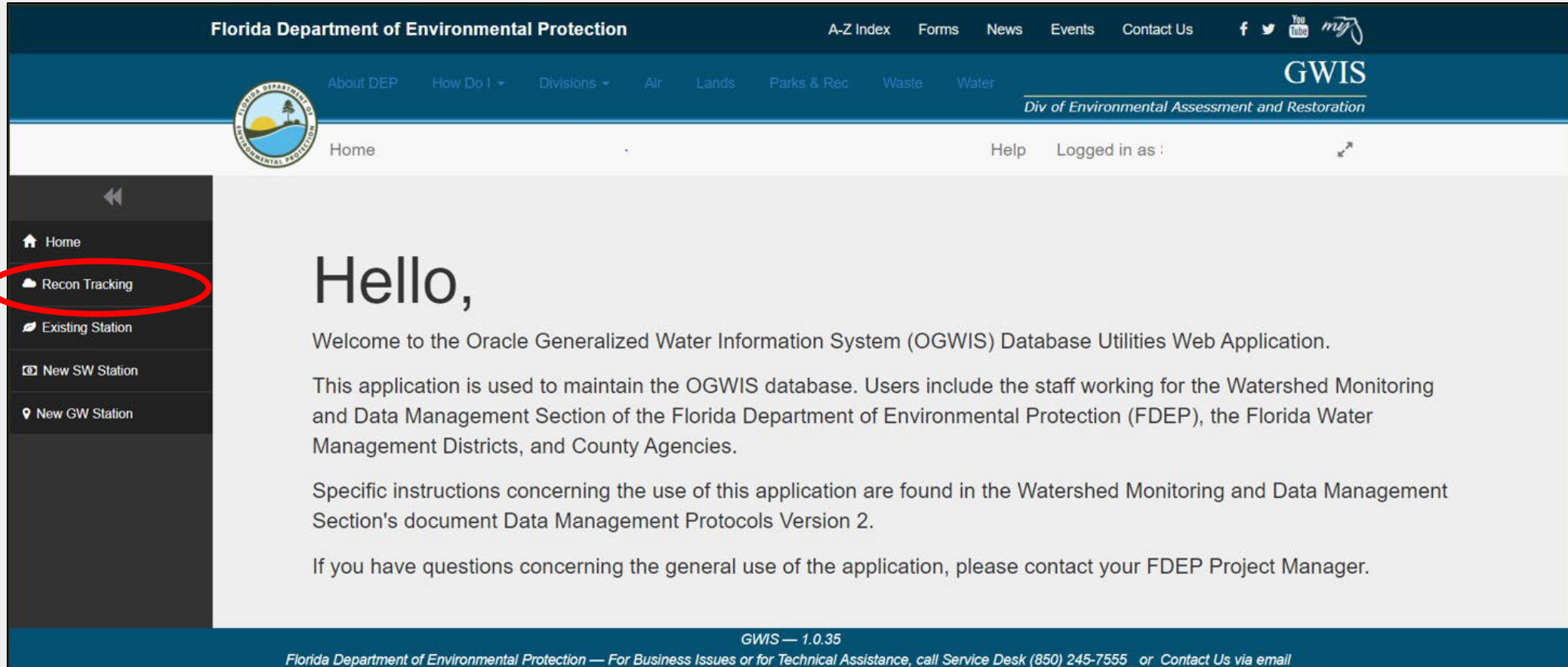
If not, then [register](#).

[DEP Home](#) | [About DEP](#) | [Contact Us](#) | [Site Map](#)



PRACTICE EXERCISE

Click on
Recon
Tracking.



The screenshot shows the GWIS (Generalized Water Information System) web application interface. The top navigation bar includes links for "A-Z Index", "Forms", "News", "Events", and "Contact Us". Below this, a secondary bar lists various divisions: "About DEP", "How Do I", "Divisions", "Air", "Lands", "Parks & Rec", "Waste", and "Water". The "GWIS" logo is prominently displayed on the right side of this bar, with the subtitle "Div of Environmental Assessment and Restoration" underneath. The main content area features a large "Hello," greeting followed by a welcome message to the Oracle Generalized Water Information System (OGWIS) Database Utilities Web Application. It explains that the application is used to maintain the OGWIS database and lists the users: staff from the Watershed Monitoring and Data Management Section of the Florida Department of Environmental Protection (FDEP), the Florida Water Management Districts, and County Agencies. It also provides a reference to the "Data Management Protocols Version 2" document for specific instructions. A footer section at the bottom contains the version number "GWIS — 1.0.35" and contact information for the Service Desk (850) 245-7555 or via email.

Florida Department of Environmental Protection

A-Z Index Forms News Events Contact Us

About DEP How Do I Divisions Air Lands Parks & Rec Waste Water

GWIS
Div of Environmental Assessment and Restoration

Home Help Logged in as :

Home

Recon Tracking

Existing Station

New SW Station

New GW Station

Hello,

Welcome to the Oracle Generalized Water Information System (OGWIS) Database Utilities Web Application.

This application is used to maintain the OGWIS database. Users include the staff working for the Watershed Monitoring and Data Management Section of the Florida Department of Environmental Protection (FDEP), the Florida Water Management Districts, and County Agencies.

Specific instructions concerning the use of this application are found in the Watershed Monitoring and Data Management Section's document Data Management Protocols Version 2.

If you have questions concerning the general use of the application, please contact your FDEP Project Manager.

GWIS — 1.0.35

Florida Department of Environmental Protection — For Business Issues or for Technical Assistance, call Service Desk (850) 245-7555 or Contact Us via email



PRACTICE EXERCISE

Enter Recon Tracking Search Criteria

Resource Type = Small Lake

Reporting Unit = Zone 5

Reporting Cycle = 20 (2026)

Site Location Range = 1 to 20

Click "View Results."

Recon Tracking

Resource Type:

Reporting Unit:

Reporting Cycle:

Site Location Range: -

Leave empty to return all records if creating an export file.
If creating a map for more than one site, limit range to less than 140 sites.



PRACTICE EXERCISE

Click
“Show Map”



About DEPHow Do I DivisionsAirLandsParks & RecWasteWater

HomeHelpLogged in as

Home

Recon Tracking

Existing Station

New SW Station

New GW Station

Recon Tracking Results

Selection Criteria:

Resource Type = SMALL LAKE; Reporting Unit = Zone 5; Reporting Cycle = 20; Lower Range = 1; Upper Range = 20;

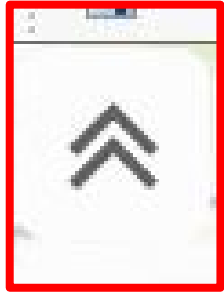
Show MapCSV

RANDOM SAMPLE LOCATION	LATITUDE	LONGITUDE	SAMPLEABLE	STATION ID
Z5-SL-20001	28° 26' 25.30327"	81° 24' 24.08909"	N/A	
Z5-SL-20002	28° 24' 57.4915"	81° 38' 53.64663"	N/A	
Z5-SL-20003	28° 15' 58.70947"	81° 37' 53.86636"	N/A	
Z5-SL-20004	28° 24' 35.62652"	81° 30' 46.79689"	N/A	



EXPLORE MAP DIRECT INTERFACE:

CHEVRON BUTTONS EXPAND AND HIDE MENUS



Map Direct: Generalized Water Information System

Map shows:

- Florida Dams
- Small Lakes Site Selections - Surface Water List Frame
- Small Lake Site
- Military Bases

Search for: Z5-SL-20001,Z5-SL-20002,Z5-SL-20003,Z5-SL-20004,Z5-SL-20005,Z5-SL-20006,Z5-SL-20007,Z5-SL-20008,Z5-SL-20009,Z5-SL-20010,Z5-SL-20011,Z5-SL-20012,Z5-SL-20013,Z5-SL-20014,Z5-SL-20015,Z5-SL-20016,Z5-SL-20017,Z5-SL-20018,Z5-SL-20019,Z5-SL-20020

Zoom To All 20 selected features

Download

Format

Small Lakes Site Selections - Surface Water List Frame

Z5-SL-20016
PK RANDOM SAMPLE LOCATION

KISSIMMEE
HYDROLOGIC UNIT NAME

ORANGE County
COUNTY NAME

N/A
CAN BE SAMPLED

LAKE
WATERBODY TYPE

COMMENTS
PUBLIC LAND SURVEY COORDINATES
ZONE 5 REPORTING UNIT

Latitude: 28° 25' 59.84796"
Longitude: 81° 28' 43.53037"

Nearby Zoom Pan Remove

Small Lakes Site Selections - Surface Water List Frame

--Show County--

Show Imagery Slider

Westgate Lakes Blvd

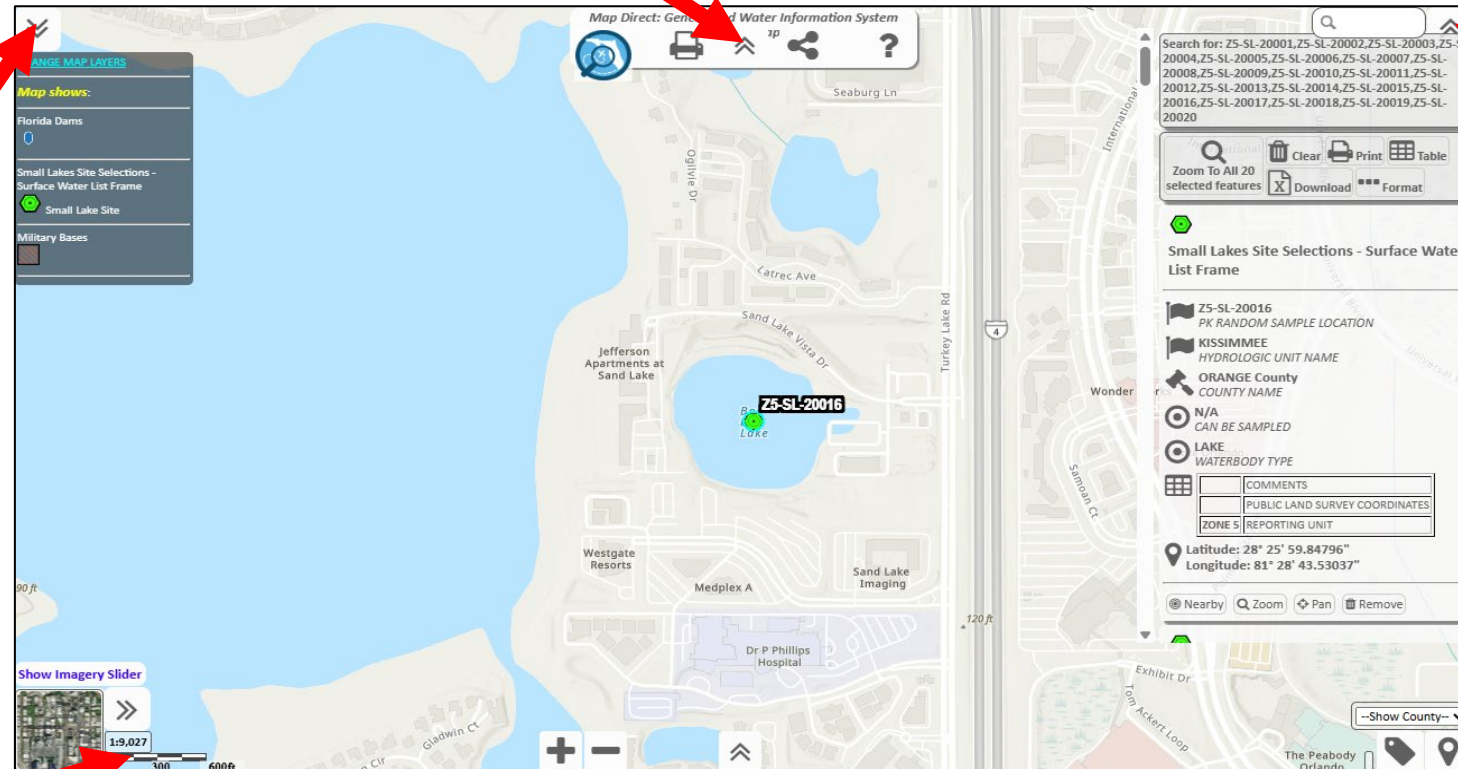


MAP DIRECT MENUS

Save/Load/Share Maps.
Map Direct Help.

Show Map Legend.
Table of Contents:

- Layer Visibility and Labels.
- Add Data to Map.



Search Options.
View Feature Attributes.

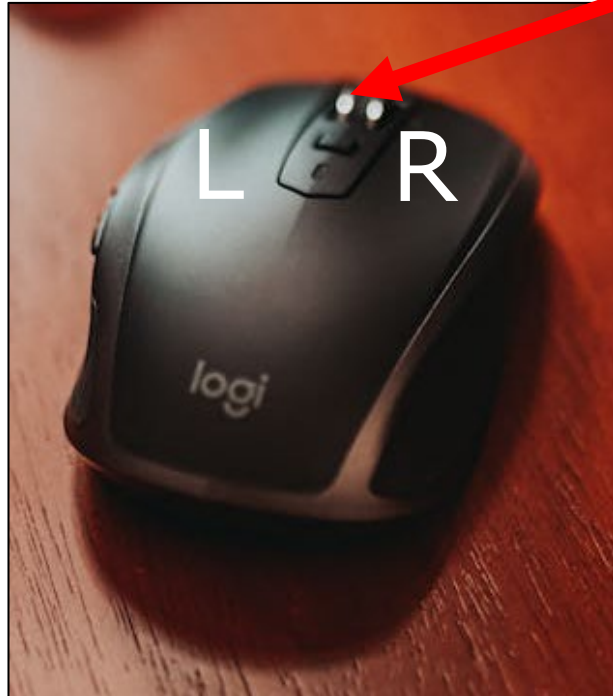
Change Basemaps.
Switch between Basemap and
Imagery Slider.

Navigation and Selection Tools:
Bookmarks; Zoom Tools; Identify;
Measurement Tools; Drawing Tools.



EXPLORE MAP DIRECT INTERFACE:

MOUSE BUTTON INTERACTIONS



Center button (wheel)

- Use wheel to zoom in or out of the map.
- Click and hold to pan the map.

Left button (L)

- Click chevron to hide or unhide a tool.
- Click map features to identify them.
- Click and hold to pan the map.

Right button (R)

- Click an item in the contents panel to open the layer tools menu.
- Click and hold to pan the map.



EXPLORE MAP DIRECT INTERFACE:

TOUCH SCREEN INTERACTION FOR TABLETS



(NOTE – Some touch screen interactions and tools do not work when viewing Map Direct on smartphones.)

Pinch

- Zoom in or out of the map.

Touch

- Hide or unhide a tool.
- Identify a feature.

Touch and Drag

- Pan the map.
- Draw search boxes.

Double Touch

- Zoom in on an area of the map.
- Open the layer tools menu by interacting with an item in the contents panel.

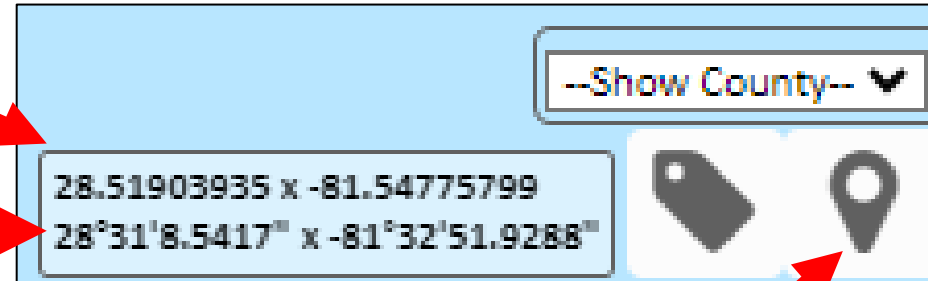


EXPLORE MAP DIRECT INTERFACE:

COORDINATES OF MOUSE POINTER

Latitude, Longitude
(Decimal Degrees)

Latitude, Longitude
(Degrees, Minutes and
Decimal Seconds)



Map Pointer Drop Symbol

- Display identifies the location of your mouse pointer on the Map.
- Use the map pointer drop symbol tool to drop a marker on the map location of interest. The location details window will open, and additional search options will be available.



EXPLORE COMMONLY USED RECON TOOLS

Please Refresh Your Internet Browser to Return to Original View of Z5 SL, Cycle 20 Search Results.

The screenshot displays the "Map Direct: Generalized Water Information System" interface. The map shows a large body of water (Sand Lake) with a highlighted site labeled "Z5-SL-20016". The interface includes a left sidebar with map layers, a top toolbar with navigation and search tools, and a right sidebar with detailed information for the selected site.

Map Direct: Generalized Water Information System

Map shows:

- Florida Dams
- Small Lakes Site Selections - Surface Water List Frame
- Small Lake Site
- Military Bases

Search for: Z5-SL-20001,Z5-SL-20002,Z5-SL-20003,Z5-SL-20004,Z5-SL-20005,Z5-SL-20006,Z5-SL-20007,Z5-SL-20008,Z5-SL-20009,Z5-SL-20010,Z5-SL-20011,Z5-SL-20012,Z5-SL-20013,Z5-SL-20014,Z5-SL-20015,Z5-SL-20016,Z5-SL-20017,Z5-SL-20018,Z5-SL-20019,Z5-SL-20020

Small Lakes Site Selections - Surface Water List Frame

Z5-SL-20016
PK RANDOM SAMPLE LOCATION

KISSIMMEE
HYDROLOGIC UNIT NAME

ORANGE County
COUNTY NAME

N/A
CAN BE SAMPLED

LAKE
WATERBODY TYPE

COMMENTS
PUBLIC LAND SURVEY COORDINATES
ZONE 5 REPORTING UNIT

Latitude: 28° 25' 59.84796"
Longitude: 81° 28' 43.53037"

Map Direct: Generalized Water Information System

Map Direct: Generalized Water Information System



COMMON RECON TOOLS:

ZOOM TO ALL SELECTED SITES

Map Direct: Generalized Water Information System

CHANGE MAP LAYERS

Map shows:

- Florida Dams
- Small Lakes Site Selections - Surface Water List Frame
- Small Lake Site
- Military Bases

Search for: Z5-SL-20001,Z5-SL-20002,Z5-SL-20003,Z5-SL-20004,Z5-SL-20005,Z5-SL-20006,Z5-SL-20007,Z5-SL-20008,Z5-SL-20009,Z5-SL-20010,Z5-SL-20011,Z5-SL-20012,Z5-SL-20013,Z5-SL-20014,Z5-SL-20015,Z5-SL-20016,Z5-SL-20017,Z5-SL-20018,Z5-SL-20019,Z5-SL-20020

Zoom To All 20 selected features

Small Lakes Site Selections - Surface Water List Frame

- Z5-SL-20016
PK RANDOM SAMPLE LOCATION
- KISSIMMEE
HYDROLOGIC UNIT NAME
- ORANGE County
COUNTY NAME
- N/A
CAN BE SAMPLED
- LAKE
WATERBODY TYPE

COMMENTS
PUBLIC LAND SURVEY COORDINATES
ZONE 5 REPORTING UNIT

Latitude: 28° 25' 59.84796"
Longitude: 81° 28' 43.53037"

Nearby Zoom Pan Remove

--Show County--

Show Imagery Slider

1:9,027

0 300 600ft

Seaburg Ln
Ogilvie Dr
Latrec Ave
Sand Lake Vista Dr
Turkey Lake Rd
Jefferson Apartments at Sand Lake
Westgate Resorts
Medplex A
Dr P Phillips Hospital
Sand Lake Imaging
Wonder
Sapoun Ct
Exhibit Dr
Tom Ackert Loop
The Peabody Orlando

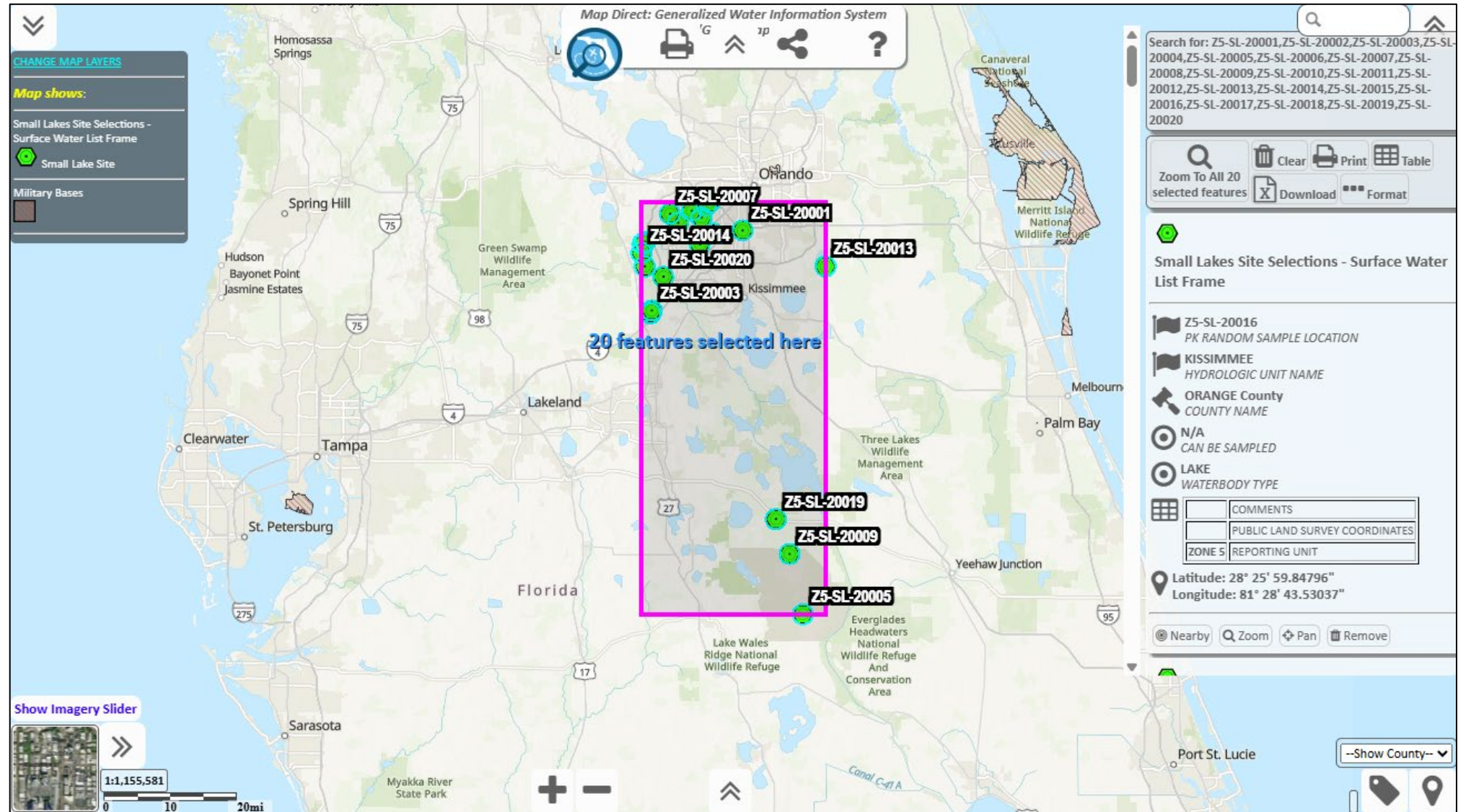




COMMON RECON TOOLS:

ZOOM TO ALL SITES

Zone 5,
Small Lakes,
Cycle 20,
Sites 1 to 20.



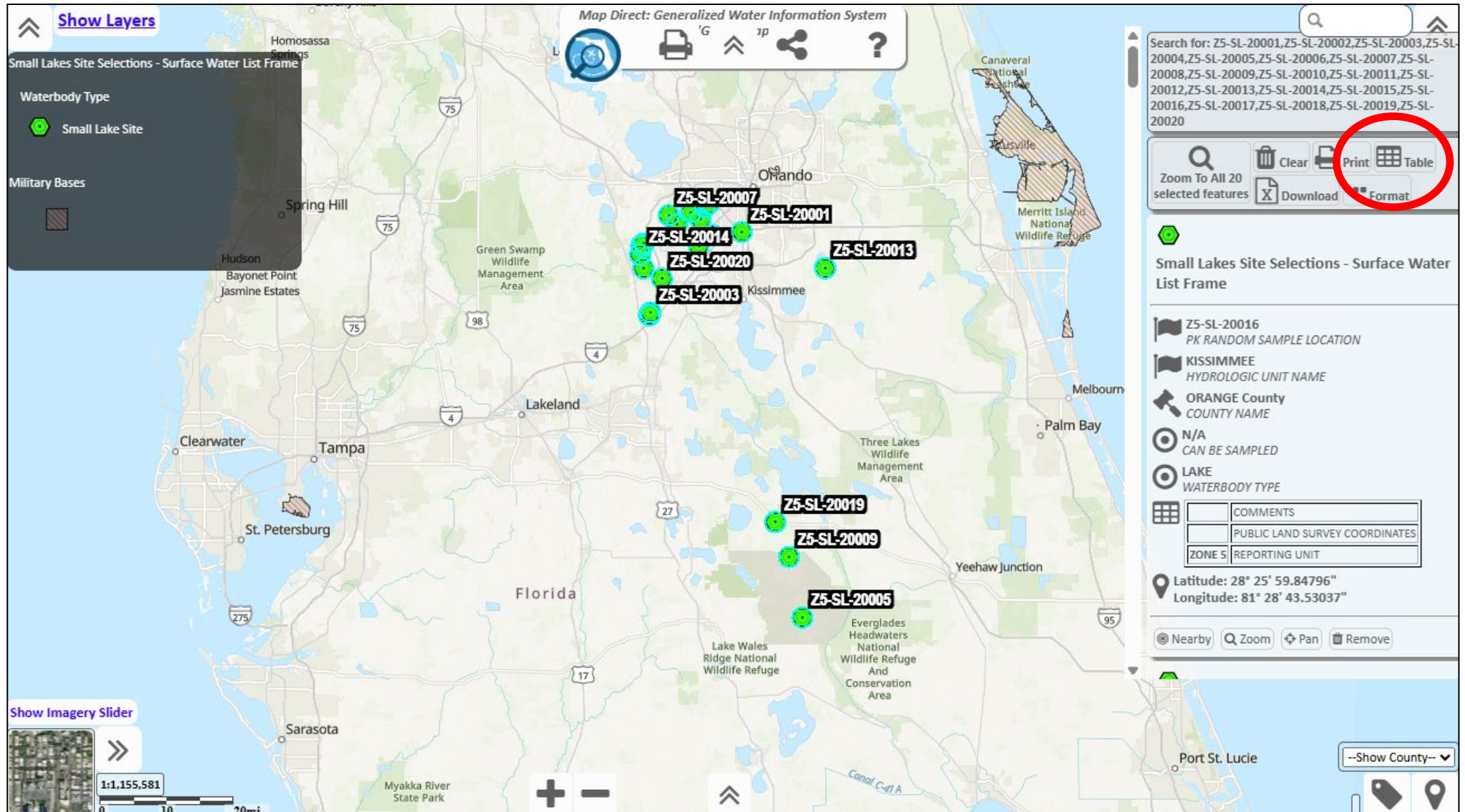




TABLE VIEW

Click on a row to
return to map
and zoom to site.

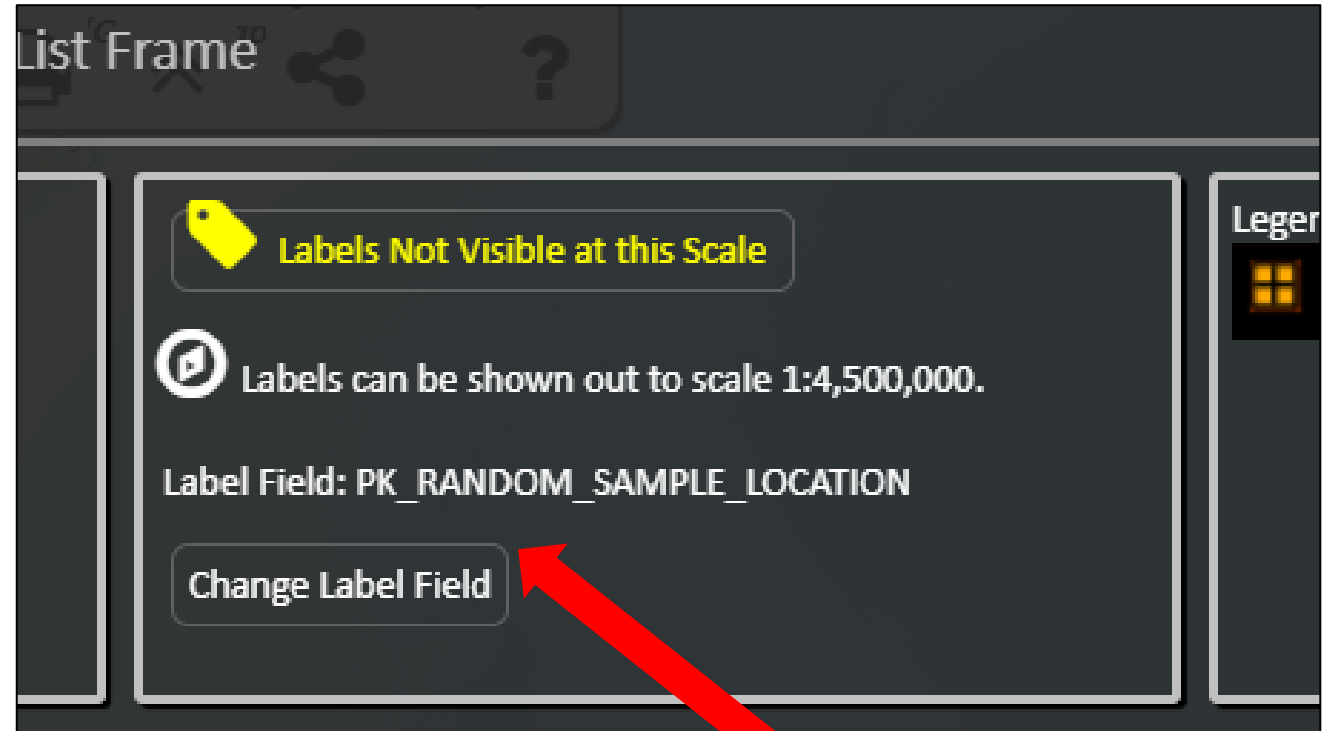
Example:
Z5-SL-20004

Small Lakes Site Selections - Surface Water List Frame: 20 found.												
PK	RANDOM SAMPLE LOCATION (String)	REPORTING UNIT (String)	WATERBODY TYPE (String)	WATERBODY NAME (String)	CAN BE SAMPLED (String)	LAT DD (Double)	LAT MM (Double)	LAT SS (Double)	LONG DD (Double)	LONG MM (Double)	LONG SS (Double)	
Remove	Z5-SL-20001	ZONE 5	LAKE	LAKE ROGER	N/A	28	26	25.30327	81	24	24.08909	
Remove	Z5-SL-20002	ZONE 5	LAKE		N/A	28	24	57.4915	81	38	53.64663	
Remove	Z5-SL-20003	ZONE 5	LAKE		N/A	28	15	58.70947	81	37	53.86636	
Remove	Z5-SL-20004	ZONE 5	LAKE	LITTLE FISH LAKE	N/A	28	24	35.62652	81	30	46.79689	
Remove	Z5-SL-20005	ZONE 5	LAKE	SUBMARINE LAKE	N/A	27	36	10.72726	81	15	29.47122	
Remove	Z5-SL-20006	ZONE 5	LAKE		N/A	28	24	39.78629	81	39	14.44167	
Remove	Z5-SL-20007	ZONE 5	LAKE		N/A	28	28	35.89258	81	35	13.05093	
Remove	Z5-SL-20008	ZONE 5	LAKE		N/A	28	30	4.59718	81	29	17.80984	
Remove	Z5-SL-20009	ZONE 5	LAKE		N/A	27	44	5.53463	81	17	27.27139	
Remove	Z5-SL-20010	ZONE 5	LAKE	LAKE AUSTIN	N/A	28	21	42.51368	81	38	55.97532	
Remove	Z5-SL-20011	ZONE 5	LAKE		N/A	28	27	25.12707	81	34	0.5328	
Remove	Z5-SL-20012	ZONE 5	LAKE		N/A	28	29	40.94318	81	29	50.03707	
Remove	Z5-SL-20013	ZONE 5	LAKE		N/A	28	21	43.40267	81	12	7.53757	
Remove	Z5-SL-20014	ZONE 5	LAKE		N/A	28	23	28.18893	81	39	25.57857	
Remove	Z5-SL-20015	ZONE 5	LAKE		N/A	28	28	59.94068	81	31	57.28331	
Remove	Z5-SL-20016	ZONE 5	LAKE		N/A	28	25	59.84796	81	28	43.53037	
Remove	Z5-SL-20017	ZONE 5	LAKE		N/A	28	15	36.02295	81	38	5.82493	
Remove	Z5-SL-20018	ZONE 5	LAKE		N/A	28	28	3.82317	81	30	31.28111	
Remove	Z5-SL-20019	ZONE 5	LAKE		N/A	27	48	39.14697	81	19	29.24952	
Remove	Z5-SL-20020	ZONE 5	LAKE	BUCK LAKE	N/A	28	20	21.12419	81	36	12.43476	



COMMON RECON TOOLS:

CHANGE SITE LABELS



Double click the Small Lakes Site selections tile with left mouse button (Double Touch for touch screen devices.).

In Layer Properties Menu, Select "Change Label Field."



COMMON RECON TOOLS:

CHANGE FILTERS FOR DATA DISPLAYED



Double click the Small Lakes Site selections tile with left mouse button (Double Touch for touch screen devices.).

In Layer Properties Menu, Locate Filtering Tools. Click "Remove Filter" to clear current list of sites.



COMMON RECON TOOLS:

CHANGE FILTERS FOR DATA DISPLAYED



Click “Add Filter”.

In the filtering options menu:

- Select PK_RANDOM_SAMPLE_LOCATION as the field to filter on.
- In the text box, type the site name (use all capital letters and include the hyphens), or type multiple site names with a pipe character between each site.
Example: Z5-SL-20002|Z5-SL-20008
- Click “Set Filter”.

Add Filter to this Layer

Small Lakes Site Selections - Surface Water List Frame

Choose a field to filter on:
PK_RANDOM_SAMPLE_LOCATION

Alphanumeric (String)

Exact Match Filter:

- Type a field value in the text box to show only that feature on the map
- You may include multiple values by separating them with a pipe |
- Click Get Samples to get sample values in a drop down. PLEASE NOTE - Intern
- You can choose a sample from the drop down to add it to the filter
- For String fields only - Check the 'Near Match' box to make the filter match a
- Click Set Filter to apply the filter
- Click Cancel to abort

Z5-SL-20004

Get Samples

Near Match ☐

Set Filter Cancel



EXPLORE COMMONLY USED RECON TOOLS

After practicing changing labels and filters, please return to site Z5-SL-20004. If needed, refresh your internet browser to return to the original view of Z5 SL, Cycle 20 search results.

The screenshot displays a web-based map interface for the "Generalized Water Information System". The map shows a residential area with a large blue lake labeled "Z5-SL-20004". A green hexagonal icon marks the site location. The interface includes several panels and controls:

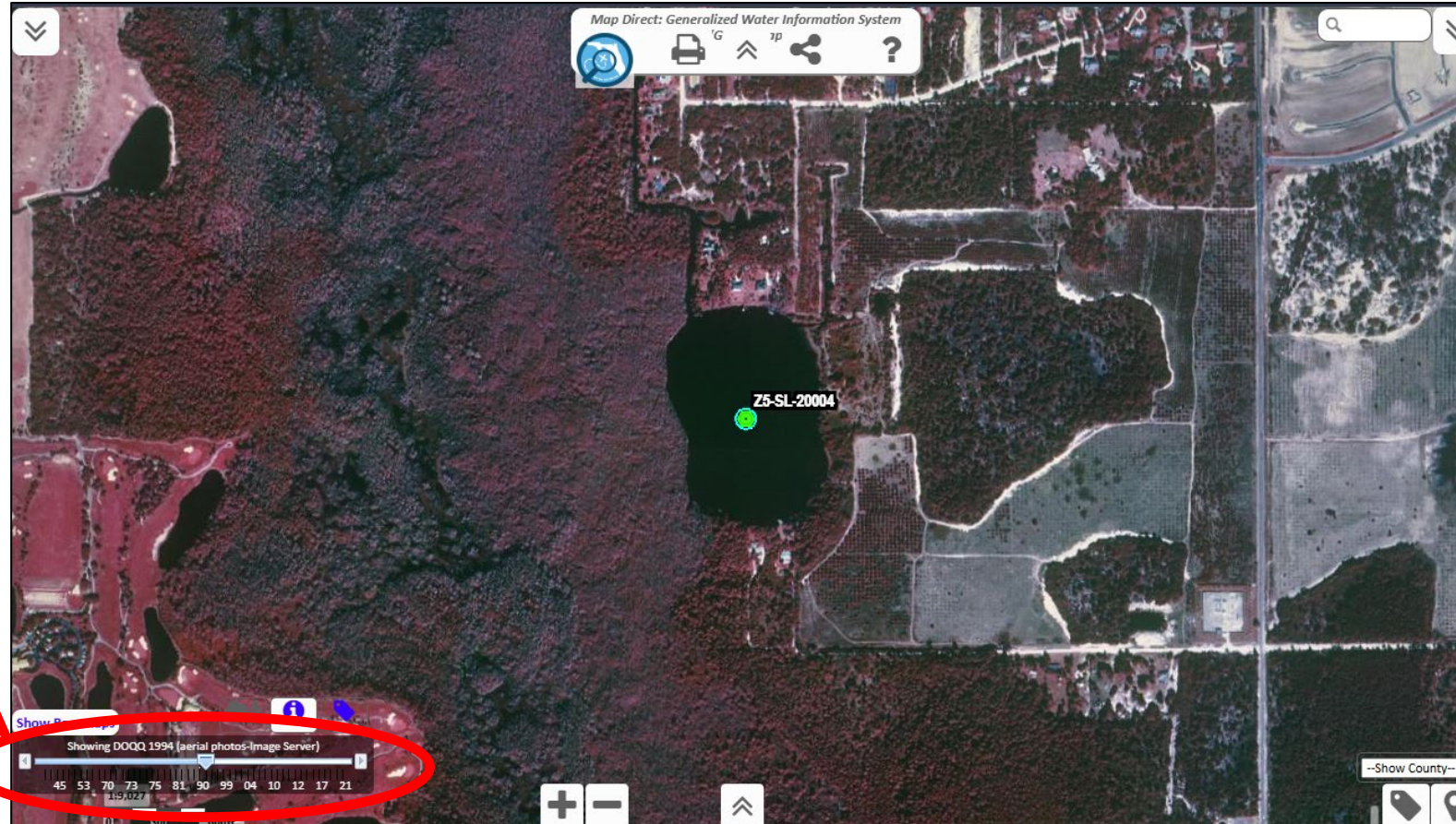
- Top Left:** "Show Layers" button and a "Small Lakes Site Selections - Surface Water List Frame" panel with a "Waterbody Type" filter set to "Small Lake Site".
- Top Center:** Map navigation tools including a compass, print icon, zoom in/out arrows, and a help icon.
- Top Right:** Search bar with a search icon and a list of search results.
- Right Panel:** "Small Lakes Site Selections - Surface Water List Frame" details for site Z5-SL-20004, including:
 - PK RANDOM SAMPLE LOCATION
 - LAKE ROGER WATERBODY NAME
 - KISSIMMEE HYDROLOGIC UNIT NAME
 - ORANGE County COUNTY NAME
 - N/A CAN BE SAMPLED
 - LAKE WATERBODY TYPE
 - COMMENTS
 - PUBLIC LAND SURVEY COORDINATES
 - ZONE 5 REPORTING UNIT
 - Latitude: 28° 26' 25.30327"
 - Longitude: 81° 24' 24.08909"
- Bottom Left:** "Show Imagery Slider" button and a scale bar showing 1:9,027.
- Bottom Center:** Map navigation controls including a compass, print icon, zoom in/out arrows, and a help icon.
- Bottom Right:** "Nearby" button, "Zoom" button, "Pan" button, "Remove" button, and a "--Show County--" dropdown menu.



COMMON RECON TOOLS:

EXAMINE IMAGERY FROM MULTIPLE YEARS

Click “Show Imagery Slider.”



Example:
DOQQ 1994

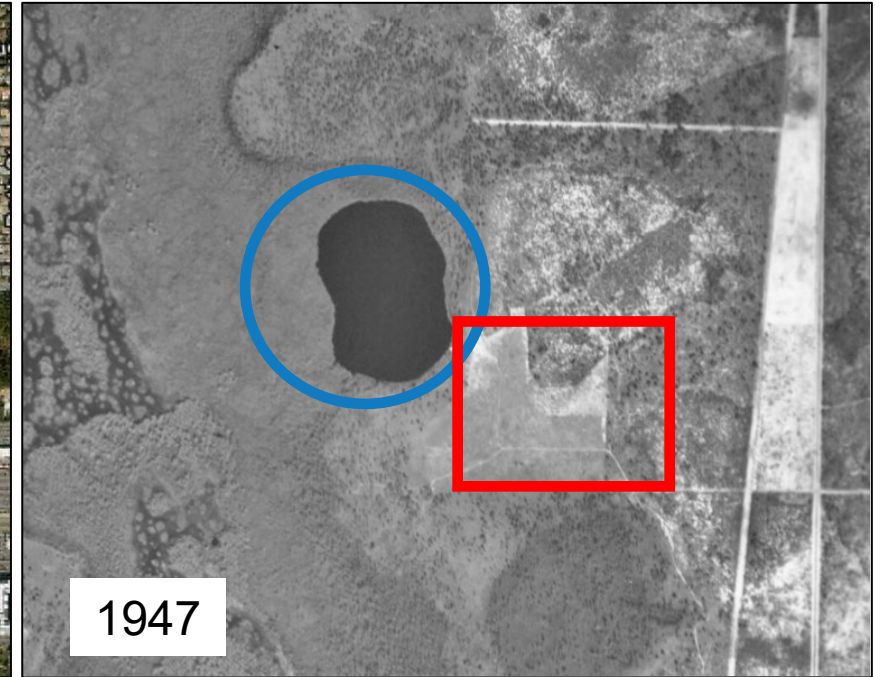


CONFIRM PRESENCE OF WATERBODY IN HISTORIC AERIALS

Imagery Sources

- Map Direct Imagery Slider.
- University of Florida Smathers Library Historic Aerial Photos.

<https://ufdc.ufl.edu/collections/aerials>



Blue circle shows that the Little Fish Lake (Z5-SL-20004) is present in photos from 1947.

Red rectangle shows example of nearby manmade lake-like features, which are not present in the photos from 1947.



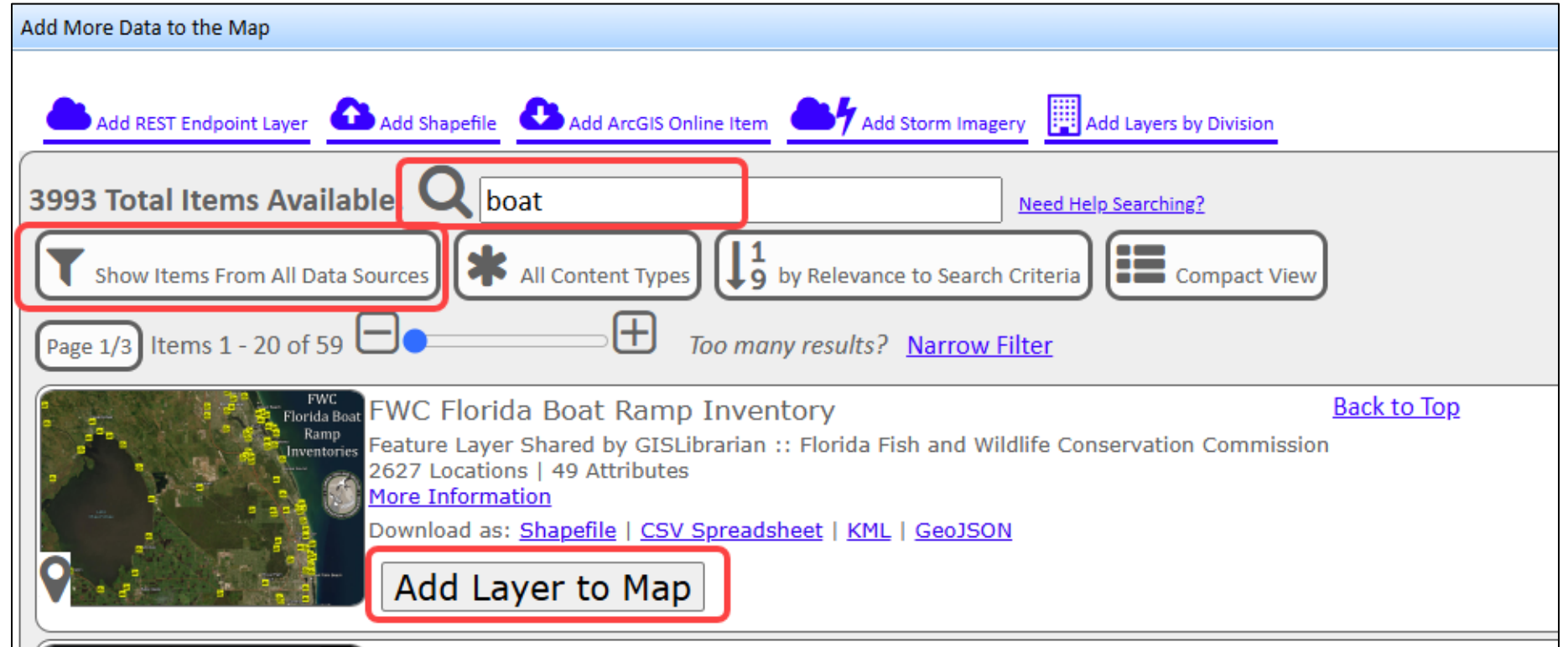
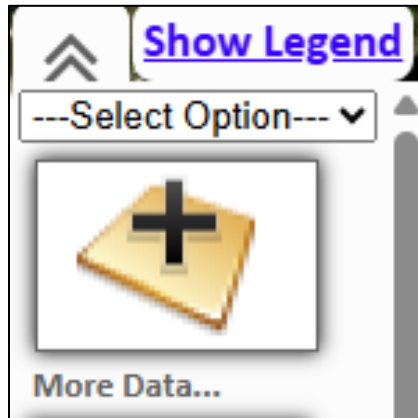
EXPLORE TOOLS FOR SITE ACCESS

- View boat ramp locations and details.
- Identify landowners surrounding a lake.



TOOLS FOR SITE ACCESS:

FWC BOAT RAMPS LAYER

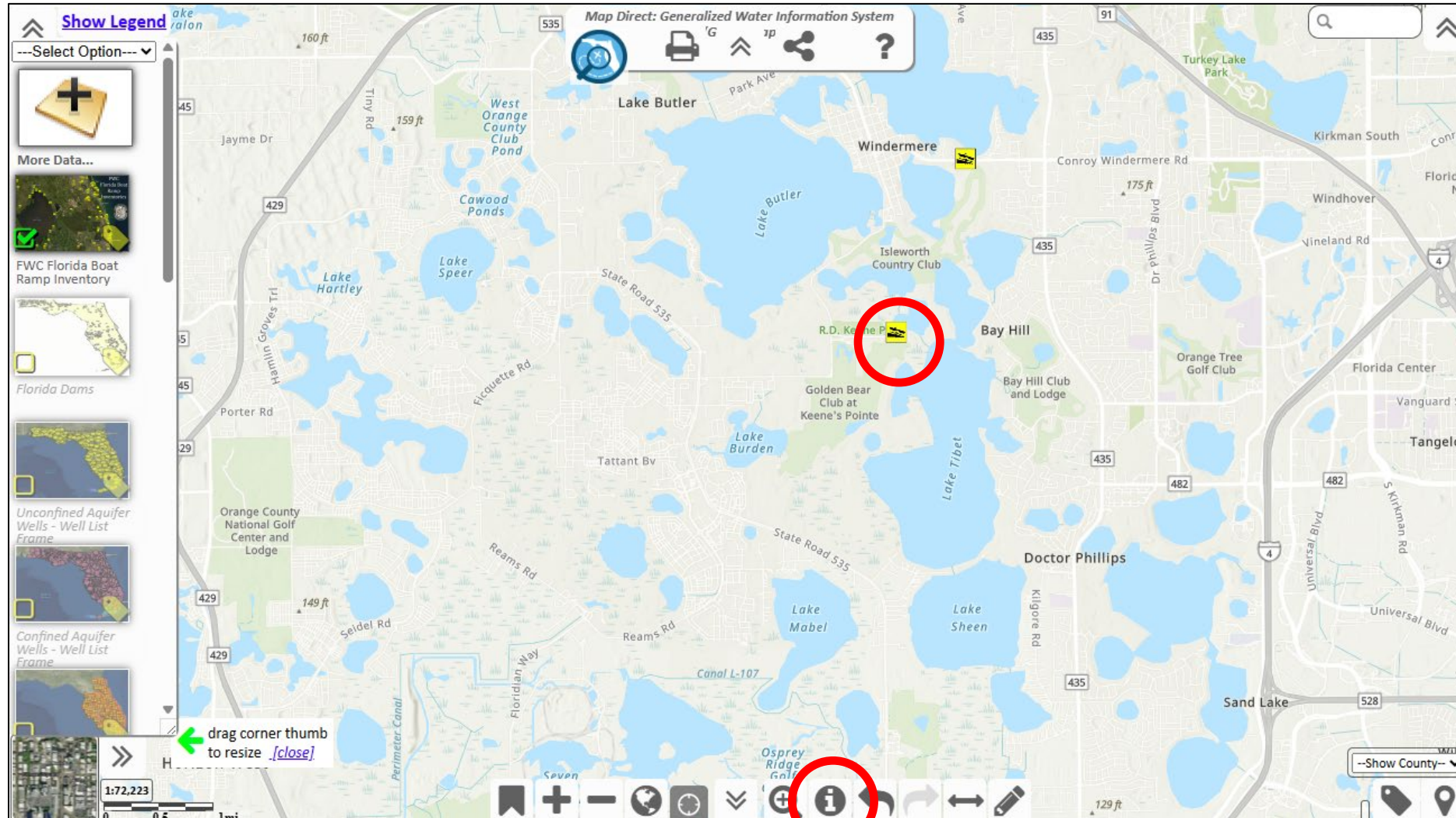


Use “More Data...” tool to search for and add the “FWC Florida Boat Ramp Inventory” layer to the map.



TOOLS FOR SITE ACCESS:

FWC BOAT RAMPS LAYER



Use Identify
Tool to
Display
Details.

(No boat ramps
on selected
lake, Little Fish
Lake. Example
shown for other
lakes nearby.)



TOOLS FOR SITE ACCESS:

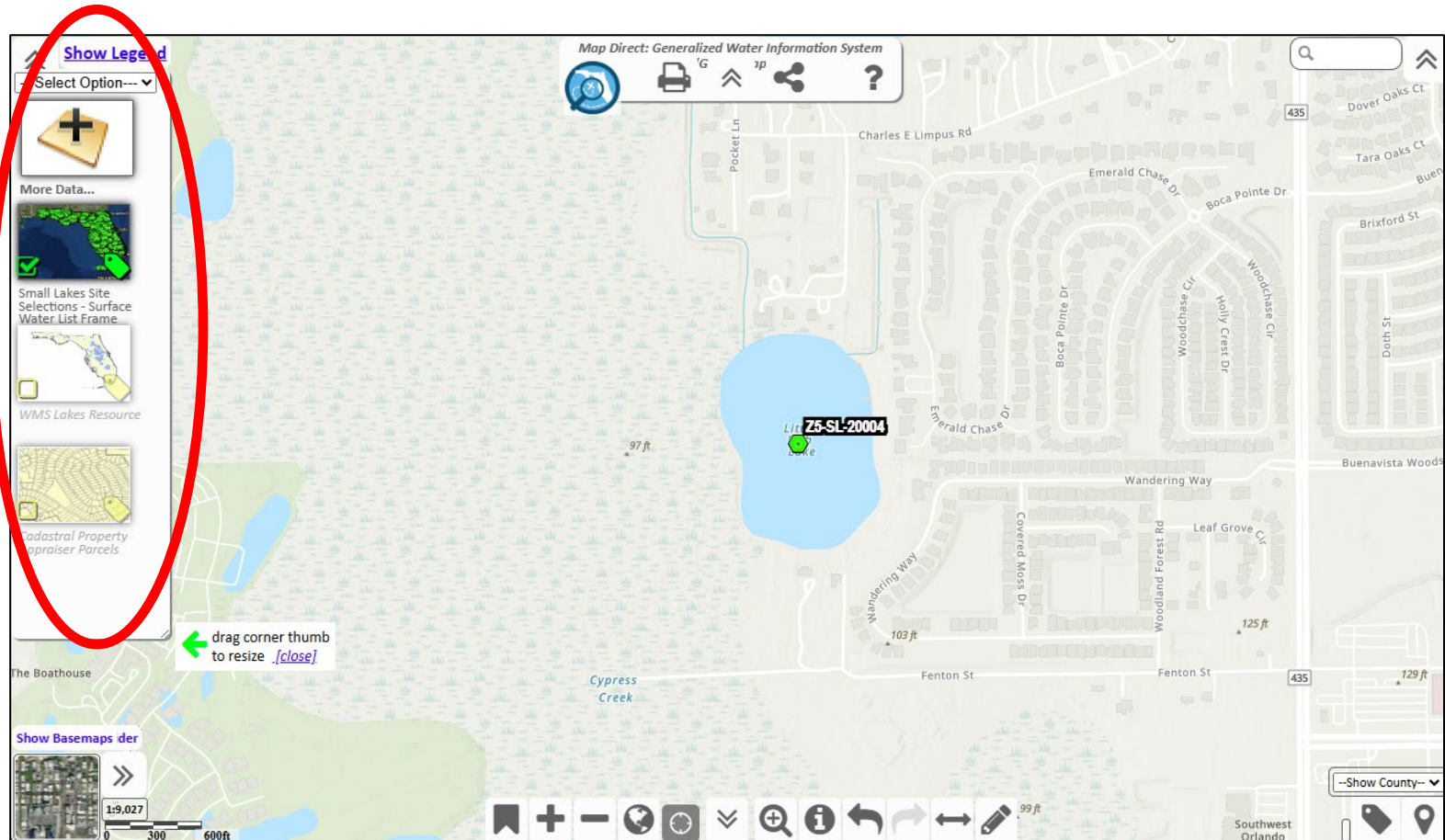
IDENTIFY PROPERTY OWNERS

Preparation:

Remove all layers
(click tile and drag to right)
or turn off visibility
(no green check mark on tile).

Except:

Small Lakes Site Sections,
WMS Lakes Resource, and
Cadastral Property Appraiser
Parcels.





TOOLS FOR SITE ACCESS:

IDENTIFY PROPERTY OWNERS

Make WMS lakes resource (polygon layer) the only visible layer in the map.

Use identify tool to select polygon for Little Fish Lake (lake that contains site Z5-SL-20004.)

The screenshot shows a web map interface titled "Map Direct: Generalized Water Information System". The map displays a residential area with streets like Emerald Chase Dr, Boca Pointe Dr, and Woodchase Cir. A large blue polygon represents Little Fish Lake. Three red arrows point to specific elements on the map, each with a text box explaining a step:

- Step 1 - Turn off visibility for small Lake Sites and Cadastral layers.** An arrow points to the "Show Legend" panel on the left. In this panel, the "Small Lakes Site Selections - Surface Water List Frame" and "Cadastral Property Appraiser Parcels" layers are shown with checkboxes that are currently checked. The "WMS Lakes Resource" layer is also shown with a checked checkbox.
- Step 2 - Click identify tool icon.** An arrow points to the "Identify" tool icon (represented by an 'i' in a circle) in the bottom toolbar.
- Step 3 - Click lake polygon to select it.** An arrow points to the blue polygon representing Little Fish Lake.

The map interface includes a "Show Legend" panel on the left with a "Select Option" dropdown and a "Show Basemaps" panel at the bottom left. The bottom right corner displays coordinates: 28.41311292 x -81.51926568 and 28°24'47.2065" x -81°31'9.3565".



TOOLS FOR SITE ACCESS:

IDENTIFY PROPERTY OWNERS

Click pencil icon to open drawing/graphics tools.

In “actions” menu, select “sketch search results.”

This will draw a temporary copy of the lake polygon.

The screenshot displays the "Map Direct: Generalized Water Information System" interface. A map shows a residential area with a light blue polygon drawn around a lake labeled "Little Fish Lake". A red arrow points from the text "Step 4 - Click Pencil icon to open drawing/graphics tool window." to the pencil icon in the bottom right of the map. Another red arrow points from the text "Step 5 - Click 'Actions' and choose 'Sketch Search Results.'" to the "Sketch Search Results" option in the "Actions--" dropdown menu. The interface includes a "Show Legend" panel on the left with a "Select Option--" dropdown and several map data layers. A "Show Basemaps der" panel at the bottom left shows a satellite view. The bottom of the map has a scale bar (1:4,513) and a "Show County--" dropdown.

Step 4 - Click Pencil icon to open drawing/graphics tool window.

Step 5 - Click “Actions” and choose “Sketch Search Results.”



TOOLS FOR SITE ACCESS:

IDENTIFY PROPERTY OWNERS

Use polygon drawing to identify parcels and owners.

Make lake polygons layer not visible.

Make cadastral layer visible.

Step 6 - Click layer tile to make WMS Lakes Resource layer **not visible** on the map.

Step 7 - Click layer tile to make Cadastral layer visible on the map.

Editing Polygon Selection.
Click the Map or the Done button to stop editing this shape.

Area: 24.3078 acres (0.037981 square miles) (98370.21980759 square meters)
Perimeter: 3816.09 feet (0.722745 miles) (1163.1452 meters)

Color... Outline... Remove Done

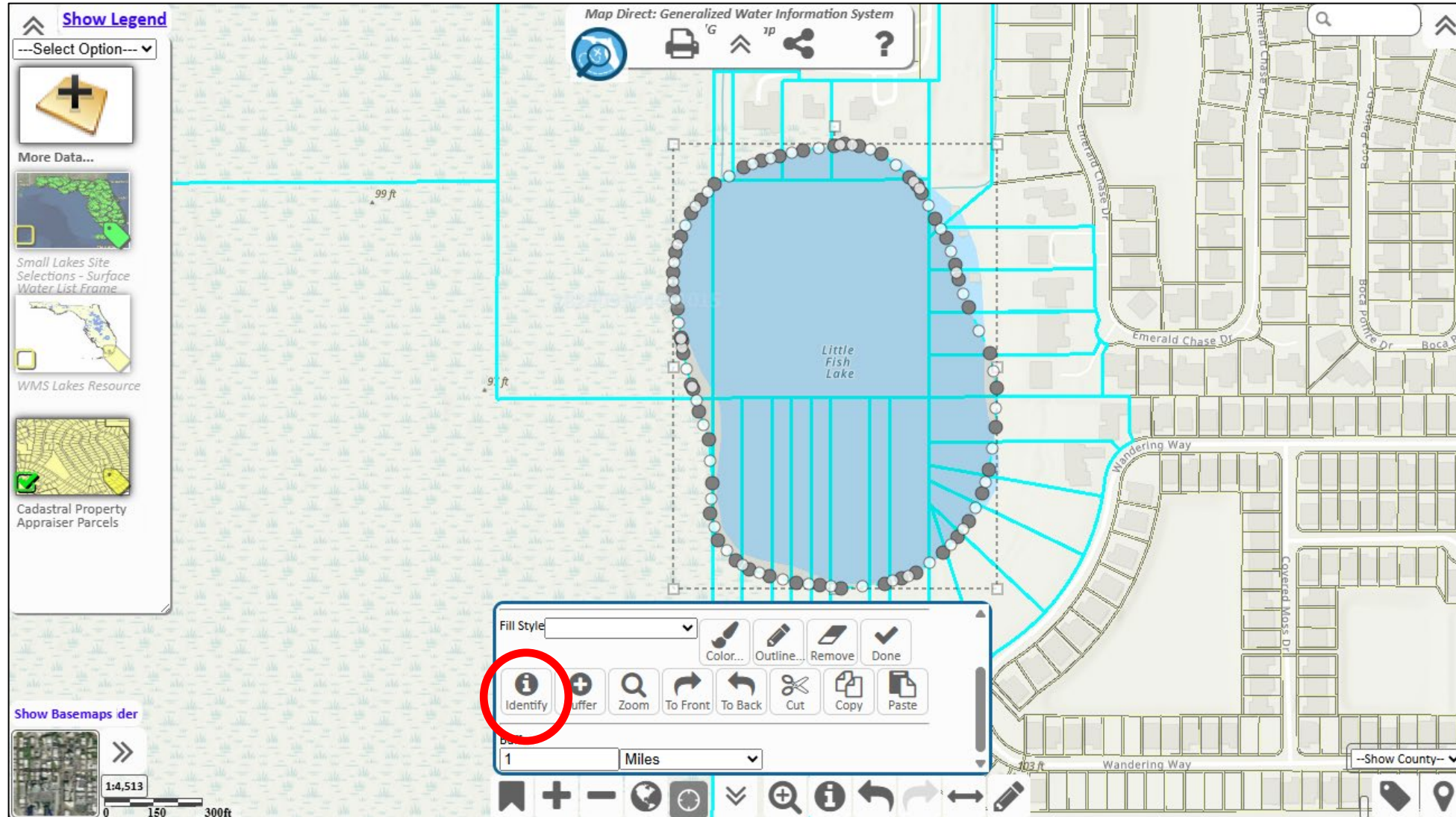
28.40851727 x -81.51545695
28°24'30.6622" x -81°30'55.6450"



TOOLS FOR SITE ACCESS:

IDENTIFY PROPERTY OWNERS

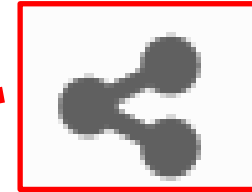
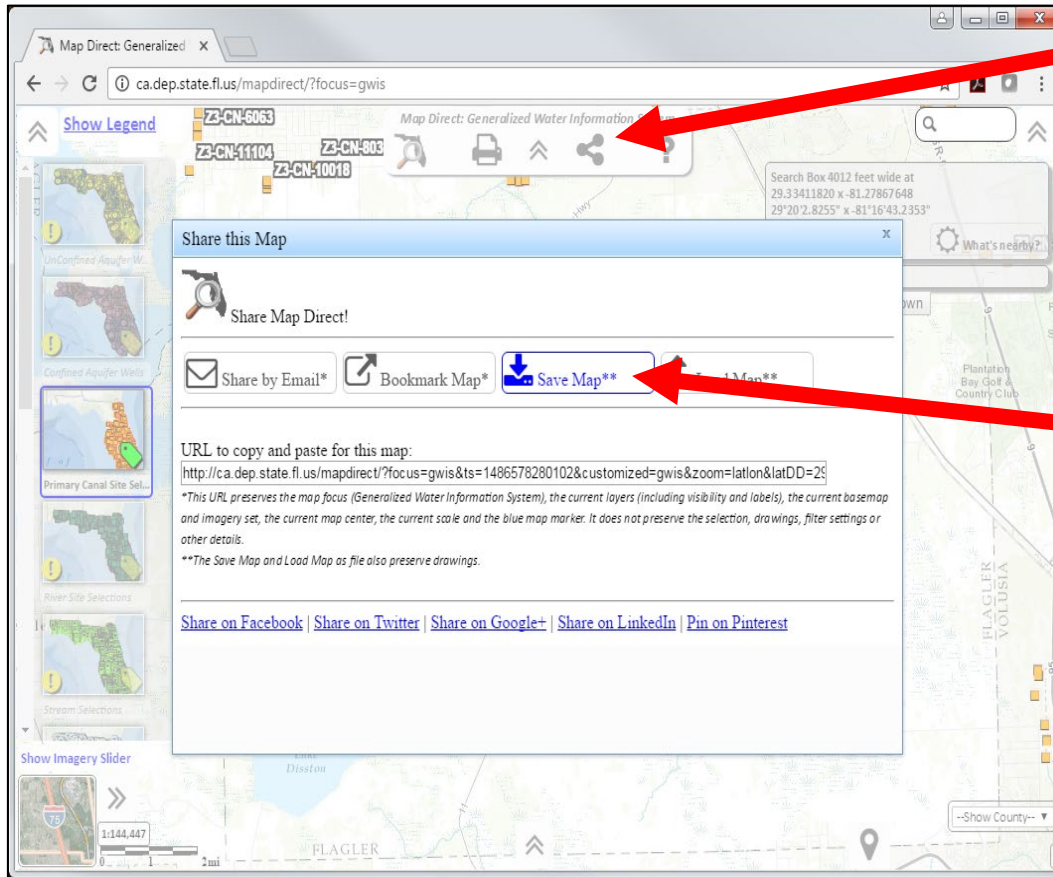
Click “identify” in search sketch results window to get a list of parcels surrounding the lake.





SAVING AND LOADING MAPS:

SAVE MAP TOOL



Click on the Share icon and choose “save map” button.

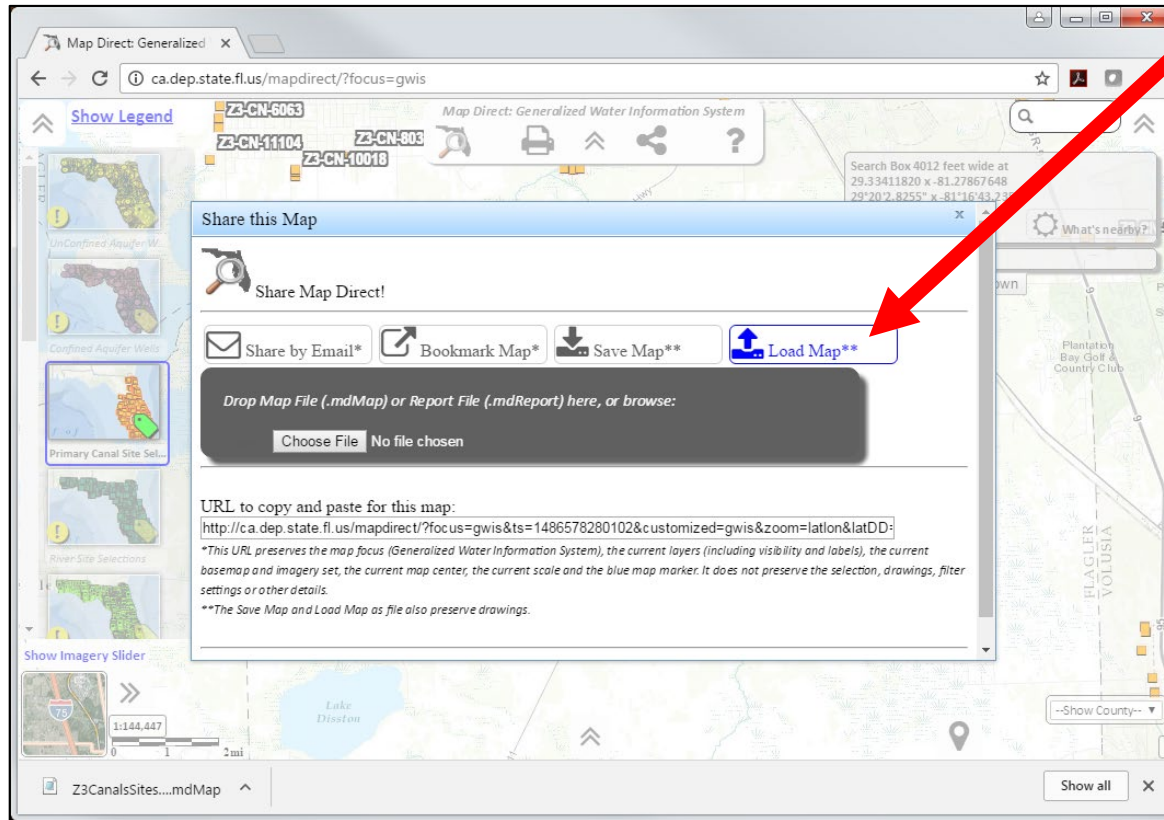


File will be saved with the “.mdMap” extension.

Default file name is unrelated to your search criteria.
Before saving, enter a more meaningful name for the file.
“Z5_SL_Cycle20_Sites1to20.mdMap”.



SAVING AND LOADING MAPS: LOAD MAP TOOL



Click “Load Map.”
Then, drag file to gray
area of button or
browse to file location.
“Choose file” to load
into the “standard”
map.

“Z5_SL_Cycle20_Sites1to20.mdMap”

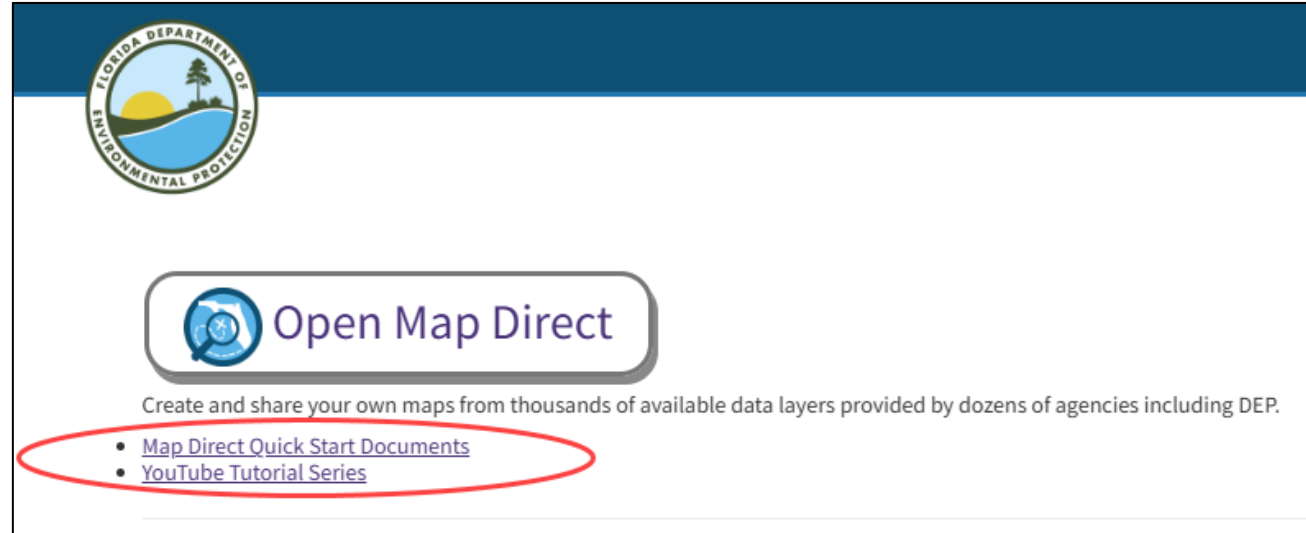


ADDITIONAL ONLINE RESOURCES

Map Direct Help Guides

(<https://ca.dep.state.fl.us/mapdirect/>)

- Quick Start Documents
- YouTube Tutorial Series



Watershed Information Center, Map Direct Resources Section

(<https://floridadep.gov/dear/watershed-monitoring-section/content/watershed-monitoring-information-center>)

Custom Files for Status Network Recon

Map Direct files with all site selections for each project in current Cycle.



REPORT ISSUES / ASK QUESTIONS

Contact for Map Direct Accessed from GWIS
Database Utilities:

Tommy Adams

DEP WMS Data Coordinator

Thomas.L.Adams@FloridaDEP.gov

850-245-8512



THANK YOU

Stephanie Sunderman-Barnes

Division of Environmental Assessment and Restoration
Florida Department of Environmental Protection

Contact Information:

850-245-8517

Stephanie.Sundermanbarnes@FloridaDEP.gov

