



MAP DIRECT PRACTICE EXERCISE

Stephanie Sunderman-Barnes
Division of Environmental Assessment and Restoration Florida
Department of Environmental Protection

Tallahassee, FL | November 5, 2025

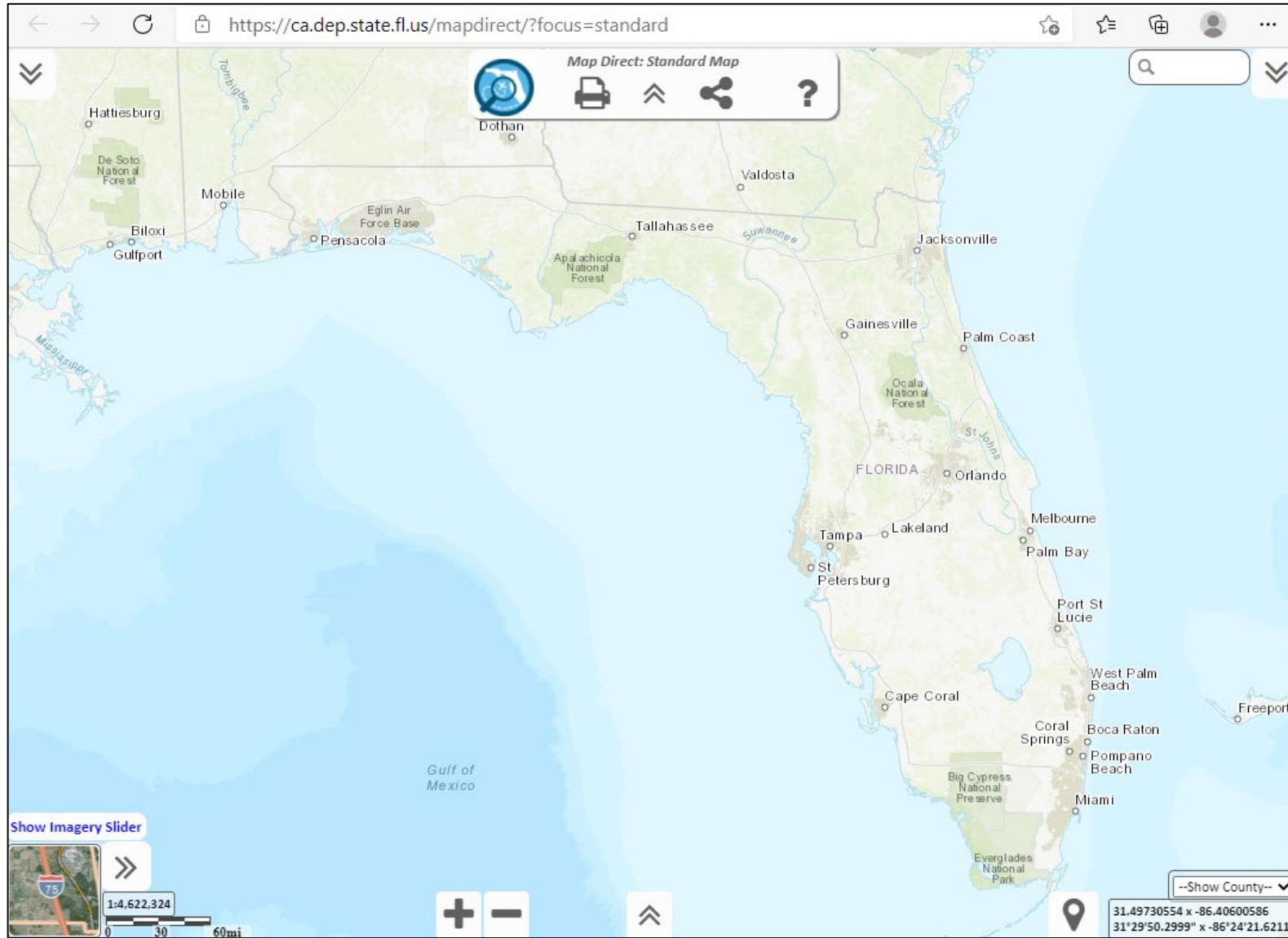


PRESENTATION OVERVIEW

- 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](#)

Search the Site:

[Home](#) | [Sign In](#)

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.

Florida Department of Environmental Protection

A-Z Index Forms News Events Contact Us [f](#) [t](#) [YouTube](#) [my](#)

GWIS
Div of Environmental Assessment and Restoration

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

Home Help Logged in as :

Recon Tracking

Home 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 = Large Lake

Reporting Unit = Zone 5

Reporting Cycle = 19 (2025)

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”

GWIS
Div of Environmental Assessment and Restoration

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

Home Help Logged in as 

Recon Tracking Results

Selection Criteria:
Resource Type = LARGE LAKE; Reporting Unit = Zone 5; Reporting Cycle = 19; Lower Range = 1; Upper Range = 20;

Show Map **CSV**

RANDOM SAMPLE LOCATION	LATITUDE	LONGITUDE	SAMPLEABLE	STATION ID
Z5-LL-19001	27° 41' 53.4737015"	81° 25' 2.70316"	N/A	
Z5-LL-19002	27° 54' 10.5777998"	81° 17' 28.5958004"	N/A	
Z5-LL-19003	28° 17' 2.8967299"	81° 23' 58.7694016"	N/A	
Z5-LL-19004	28° 26' 41.3039017"	81° 30' 32.3023987"	N/A	



EXPLORE MAP DIRECT INTERFACE: CHEVRON BUTTONS EXPAND AND HIDE MENUS

The screenshot illustrates the Map Direct interface with several menu buttons highlighted by red circles:

- Top Left:** A red circle highlights a downward-pointing chevron button on the left side of the top header bar.
- Top Center:** A red circle highlights a downward-pointing chevron button on the right side of the top header bar, located next to the search and print icons.
- Left Side:** A red box highlights a large downward-pointing chevron button on the far left, which expands the "CHANGE MAP LAYERS" menu.
- Bottom Left:** A red circle highlights a downward-pointing chevron button on the left side of the bottom header bar, which expands the "Show Imagery Slider" menu.
- Bottom Center:** A red circle highlights a downward-pointing chevron button on the bottom center of the header bar, which expands the zoom controls.

Map Direct: Generalized Water Information System

Map shows:

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

Search for: Z5-LL-19001, Z5-LL-19002, Z5-LL-19003, Z5-LL-19004, Z5-LL-19005, Z5-LL-19006, Z5-LL-19007, Z5-LL-19008, Z5-LL-19009, Z5-LL-19010, Z5-LL-19011, Z5-LL-19012, Z5-LL-19013, Z5-LL-19014, Z5-LL-19015, Z5-LL-19016, Z5-LL-19017, Z5-LL-19018, Z5-LL-19019, Z5-LL-19020

Tools:

- Zoom To All 20 selected features
- Clear
- Print
- Table
- Download
- Format

Large Lakes Site Selections - Surface Water List Frame

Legend:

- Z5-LL-19001 PK RANDOM SAMPLE LOCATION
- LAKE ARBUCKLE WATERBODY NAME
- KISSIMMEE HYDROLOGIC UNIT NAME
- POLK County COUNTY NAME
- N/A CAN BE SAMPLED
- LAKE WATERBODY TYPE

Comments:

- COMMENTS
- PUBLIC LAND SURVEY COORDINATES
- ZONE 5 REPORTING UNIT

Latitude: 27° 41' 53.473701" Longitude: 81° 25' 2.70316"

Show County

Blue Jordan Swamp

98 ft

School Business Dr

Show Imagery Slider

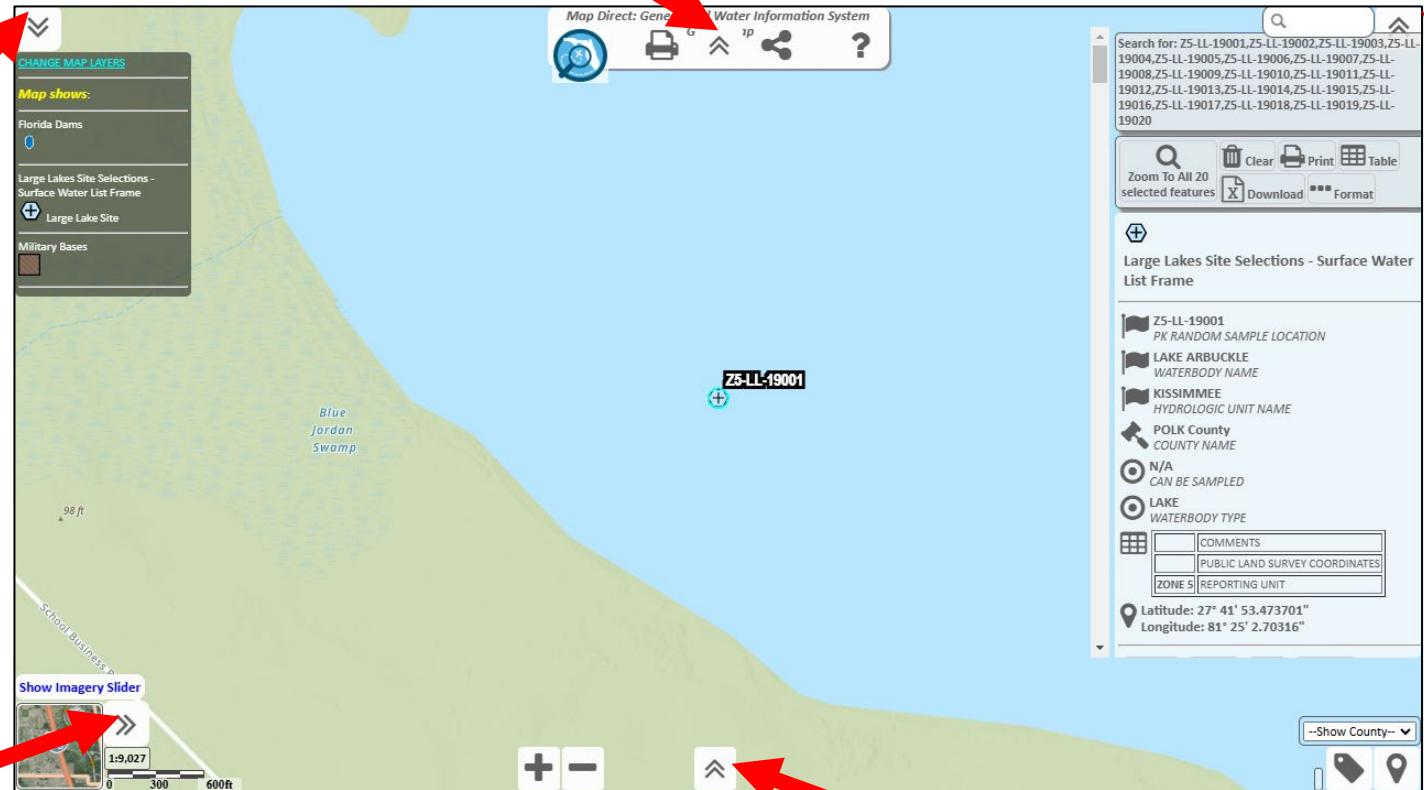
75

0 300 600ft



MAP DIRECT MENUS

Save/Load/Share Maps; Map Direct Help.



Show Map Legend;
Table of Contents;
Layer Visibility and
Labels;
Add Data to Map.

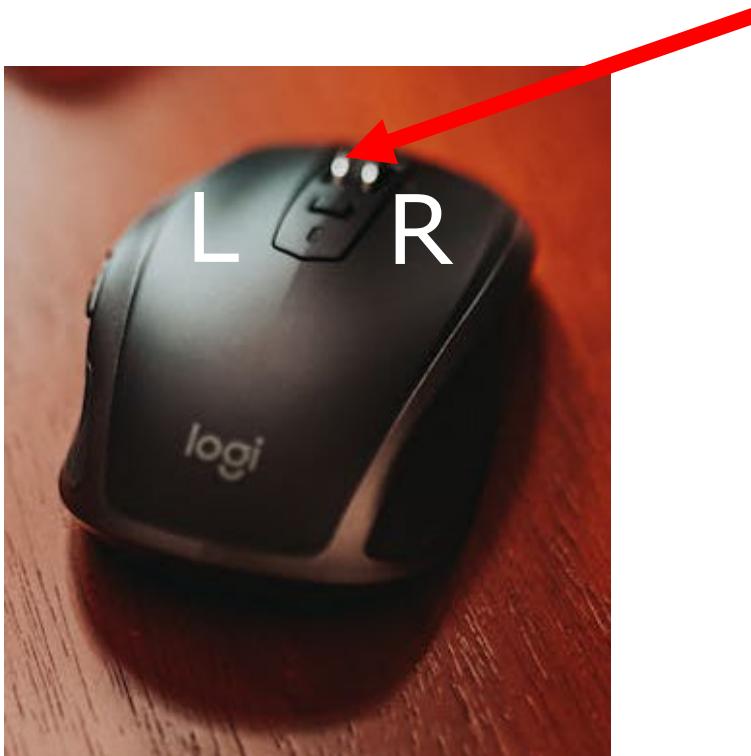
Change Basemaps; Switch between
Basemap and Imagery Slider.

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

Search
Options;
View
Feature
Attributes.



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



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

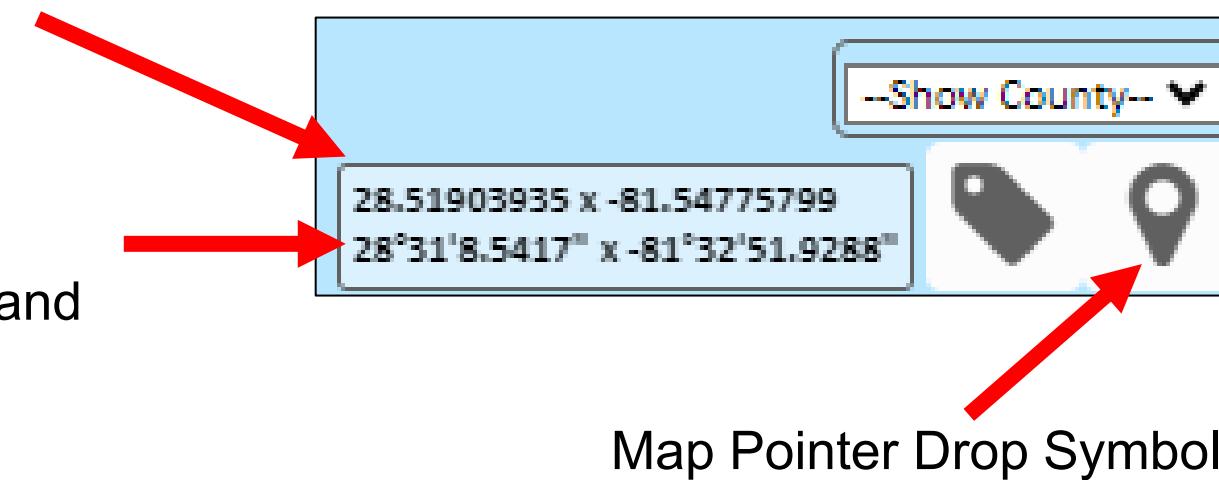
- Zoom in on an area of the map.
- Open the layer tools menu by interacting with an item in the contents panel.



EXPLORE MAP DIRECT INTERFACE: COORDINATES OF MOUSE POINTER

Latitude, Longitude
(Decimal Degrees)

Latitude, Longitude
(Degrees, Minutes and
Decimal Seconds)

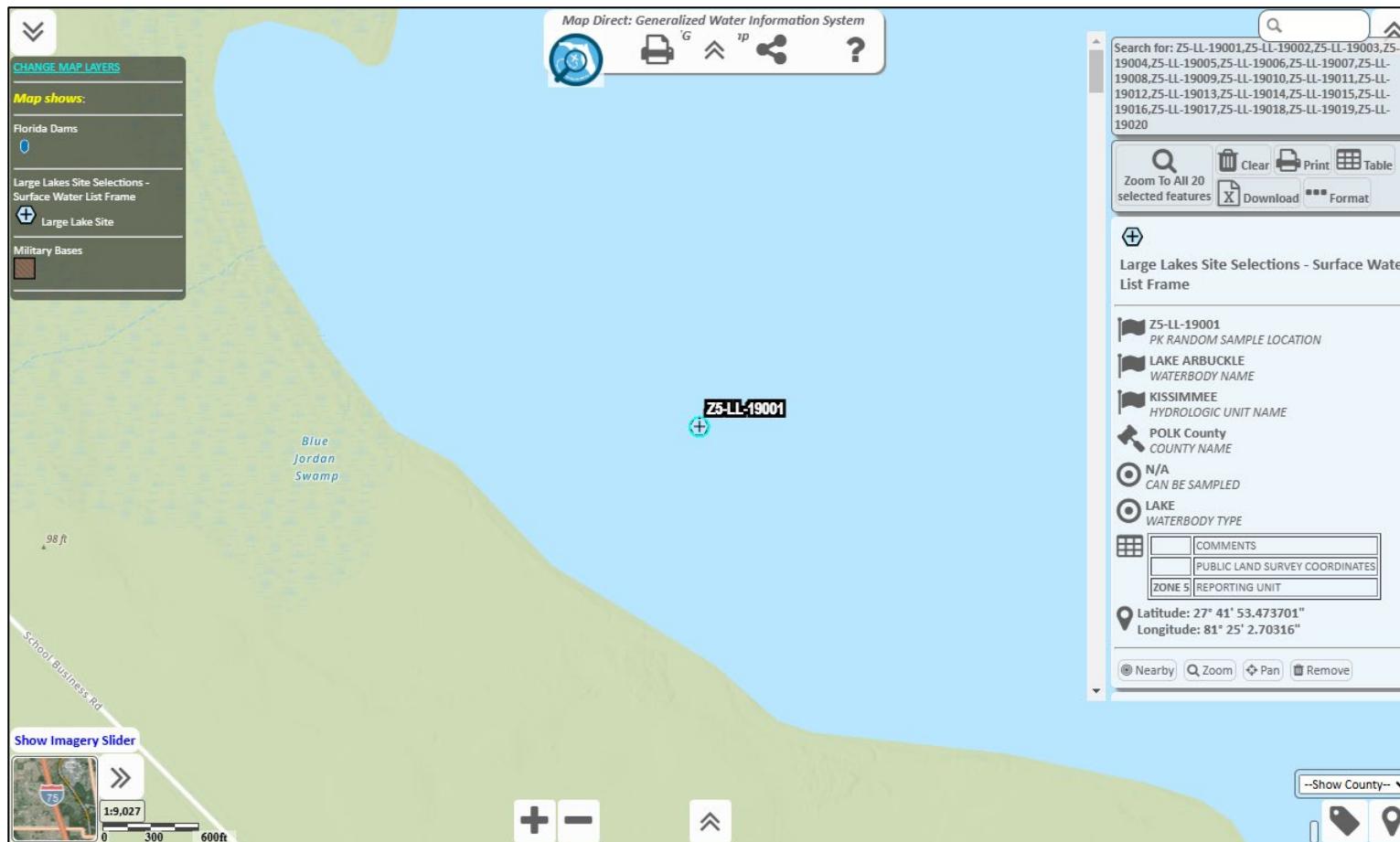


- Display identifies the location of your mouse pointer on the Map.
- Use the map pointer drop symbol tool to drop a marker on the map location of interest. The location details window will open, and additional search options will be available.



EXPLORE COMMONLY USED RECON TOOLS

Please Refresh Your Internet Browser to Return to Original View of Z5 LL, Cycle 19 Search Results.





COMMON RECON TOOLS: ZOOM TO ALL SELECTED SITES

Map Direct: Generalized Water Information System

CHANGE MAP LAYERS

Map shows:

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

Blue Jordan Swamp

98 ft

School Business Rd

Show Imagery Slider

1:9,027

1 300 600ft

Z5-LL-19001

Map Direct: Generalized Water Information System

Search for: Z5-LL-19001,Z5-LL-19002,Z5-LL-19003,Z5-LL-19004,Z5-LL-19005,Z5-LL-19006,Z5-LL-19007,Z5-LL-19008,Z5-LL-19009,Z5-LL-19010,Z5-LL-19011,Z5-LL-19012,Z5-LL-19013,Z5-LL-19014,Z5-LL-19015,Z5-LL-19016,Z5-LL-19017,Z5-LL-19018,Z5-LL-19019,Z5-LL-19020

Zoom To All 20 selected features

Clear Print Table Format

Large Lakes Site Selections - Surface Water List Frame

Z5-LL-19001
PK RANDOM SAMPLE LOCATION

LAKE ARBUCKLE
WATERBODY NAME

KISSIMMEE
HYDROLOGIC UNIT NAME

POLK County
COUNTY NAME

N/A
CAN BE SAMPLED

LAKE
WATERBODY TYPE

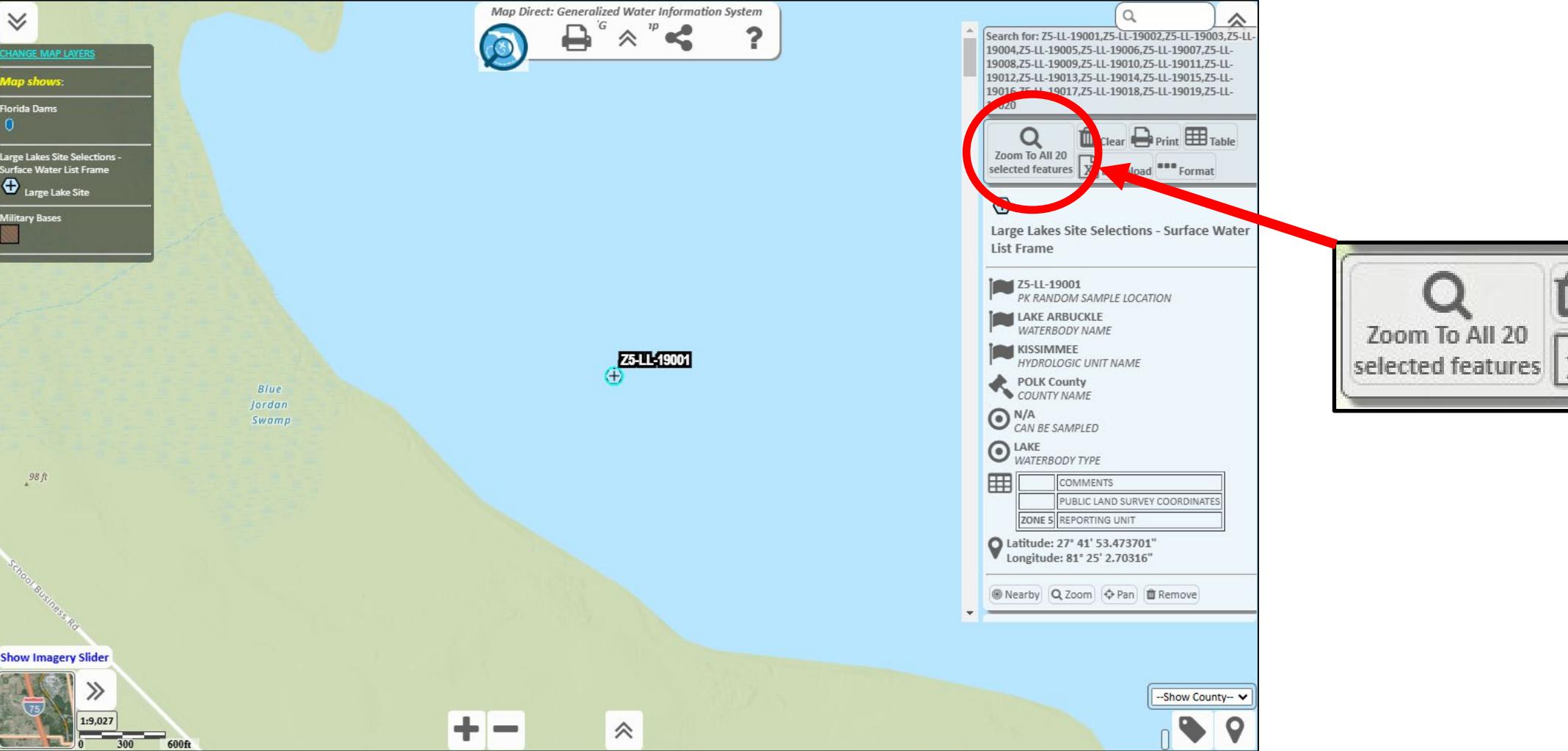
Comments
PUBLIC LAND SURVEY COORDINATES
ZONE 5 REPORTING UNIT

Latitude: 27° 41' 53.473701" Longitude: 81° 25' 2.70316"

Nearby Zoom Pan Remove

Show County

Zoom To All 20 selected features





COMMON RECON TOOLS: ZOOM TO ALL SITES

Zone 5

Large Lakes

Cycle 19,

Sites 1 to 20.

Map Direct: Generalized Water Information System

Search for: Z5-LL-19001, Z5-LL-19002, Z5-LL-19003, Z5-LL-19004, Z5-LL-19005, Z5-LL-19006, Z5-LL-19007, Z5-LL-19008, Z5-LL-19009, Z5-LL-19010, Z5-LL-19011, Z5-LL-19012, Z5-LL-19013, Z5-LL-19014, Z5-LL-19015, Z5-LL-19016, Z5-LL-19017, Z5-LL-19018, Z5-LL-19019, Z5-LL-19020

Zoom To All 20 selected features

Download Format

Large Lakes Site Selections - Surface Water List Frame

Z5-LL-19001 PK RANDOM SAMPLE LOCATION

LAKE ARBUCKLE WATERBODY NAME

KISSIMMEE HYDROLOGIC UNIT NAME

POLK County COUNTY NAME

N/A CAN BE SAMPLED

LAKE WATERBODY TYPE

Comments

PUBLIC LAND SURVEY COORDINATES

ZONE 5 REPORTING UNIT

Latitude: 27° 41' 53.473701" Longitude: 81° 25' 2.70316"

Nearby Zoom Pan Remove

Port St. Lucie

--Show County--

1:1,155,581

0 10 20mi



COMMON RECON TOOLS: VIEW SELECTED SITES IN TABLE

Map Direct: Generalized Water Information System

Search for: Z5-LL-19001, Z5-LL-19002, Z5-LL-19003, Z5-LL-19004, Z5-LL-19005, Z5-LL-19006, Z5-LL-19007, Z5-LL-19008, Z5-LL-19009, Z5-LL-19010, Z5-LL-19011, Z5-LL-19012, Z5-LL-19013, Z5-LL-19014, Z5-LL-19015, Z5-LL-19016, Z5-LL-19017, Z5-LL-19018, Z5-LL-19019, Z5-LL-19020

Zoom To All 20 selected features

Download Format

Large Lakes Site Selections - Surface Water List Frame

- Z5-LL-19001 PK RANDOM SAMPLE LOCATION
- LAKE ARBUCKLE WATERBODY NAME
- KISSIMMEE HYDROLOGIC UNIT NAME
- POLK County COUNTY NAME
- N/A CAN BE SAMPLED
- LAKE WATERBODY TYPE

COMMENTS
PUBLIC LAND SURVEY COORDINATES
ZONE 5 REPORTING UNIT

Latitude: 27° 41' 53.473701" Longitude: 81° 25' 2.70316"

Nearby Zoom Pan Remove

--Show County--



TABLE VIEW

Click
column
name
to sort.

Clear Results Download as Spreadsheet

Large Lakesite 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)
	Primary key	One of the six geographic zones used for data analysis. Zones correspond to WMS boundaries, except for South Florida which is split into an east and west subunits. For cycle two of the status network see TMDL_BASIN database field name	The name identifying the type of the water body on which the station is located. The designation 'stream' includes canals, rivers, and sloughs. The designation 'lake' includes some marshes. Dictates which Impaired Water Rule (IWR) assessment procedure to use.	Legal or USGS quad (DRG) name of the water body on which the station resides	Boolean value indicating whether site is samplable	The degrees portion of the angular distance on a meridian north or south of the equator	The minutes portion of the angular distance on a meridian north or south of the equator	The seconds portion to four significant digits of the angular distance on a meridian north or south of the equator	The degrees portion of the angular distance on a meridian east or west of the prime meridian. Although measurements west of the prime meridian are by convention regarded as negative, the standard provides for the storage of positive values to conform to current practice.
Remove	Z5-LL-19001	ZONE 5	LAKE	LAKE ARBUCKLE	N/A	27	41	53.473701	81
Remove	Z5-LL-19002	ZONE 5	LAKE	LAKE KISSIMMEE	N/A	27	54	10.5778	81
Remove	Z5-LL-19003	ZONE 5	LAKE	LAKE TOHOPEKALIGA	N/A	28	17	2.89673	81
Remove	Z5-LL-19004	ZONE 5	LAKE		N/A	28	26	41.303902	81
Remove	Z5-LL-19005	ZONE 5	LAKE	LAKE ROSALIE	N/A	27	56	12.109	81
Remove	Z5-LL-19006	ZONE 5	LAKE	ALLIGATOR LAKE	N/A	28	12	35.165699	81
Remove	Z5-LL-19007	ZONE 5	LAKE	EAST LAKE TOHOPEKALIGA	N/A	28	16	32.131699	81
Remove	Z5-LL-19008	ZONE 5	LAKE		N/A	28	29	10.4425	81
Remove	Z5-LL-19009	ZONE 5	LAKE	LAKE WEOHYAKAPKA	N/A	27	49	41.474201	81
Remove	Z5-LL-19010	ZONE 5	LAKE	LAKE TOHOPEKALIGA	N/A	28	10	9.12725	81
Remove	Z5-LL-19011	ZONE 5	LAKE	LAKE KISSIMMEE	N/A	27	48	47.670601	81
Remove	Z5-LL-19012	ZONE 5	LAKE	LAKE ISTOKPOGA	N/A	27	22	9.47002	81
Remove	Z5-LL-19013	ZONE 5	LAKE	LAKE KISSIMMEE	N/A	27	55	4.77608	81
Remove	Z5-LL-19014	ZONE 5	LAKE	LAKE HATCHINEHA	N/A	28	0	38.057999	81
Remove	Z5-LL-19015	ZONE 5	LAKE	LAKE MARION	N/A	28	5	57.049702	81
Remove	Z5-LL-19016	ZONE 5	LAKE	LAKE ISTOKPOGA	N/A	27	23	37.014099	81
Remove	Z5-LL-19017	ZONE 5	LAKE	LAKE ARBUCKLE	N/A	27	42	48.5565	81
Remove	Z5-LL-19018	ZONE 5	LAKE	LAKE KISSIMMEE	N/A	27	59	4.53651	81
Remove	Z5-LL-19019	ZONE 5	LAKE	EAST LAKE TOHOPEKALIGA	N/A	28	18	44.298	81
Remove	Z5-LL-19020	ZONE 5	LAKE	LAKE DOWN	N/A	28	30	4.90749	81



TABLE VIEW

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

Example:
Z5-LL-19008

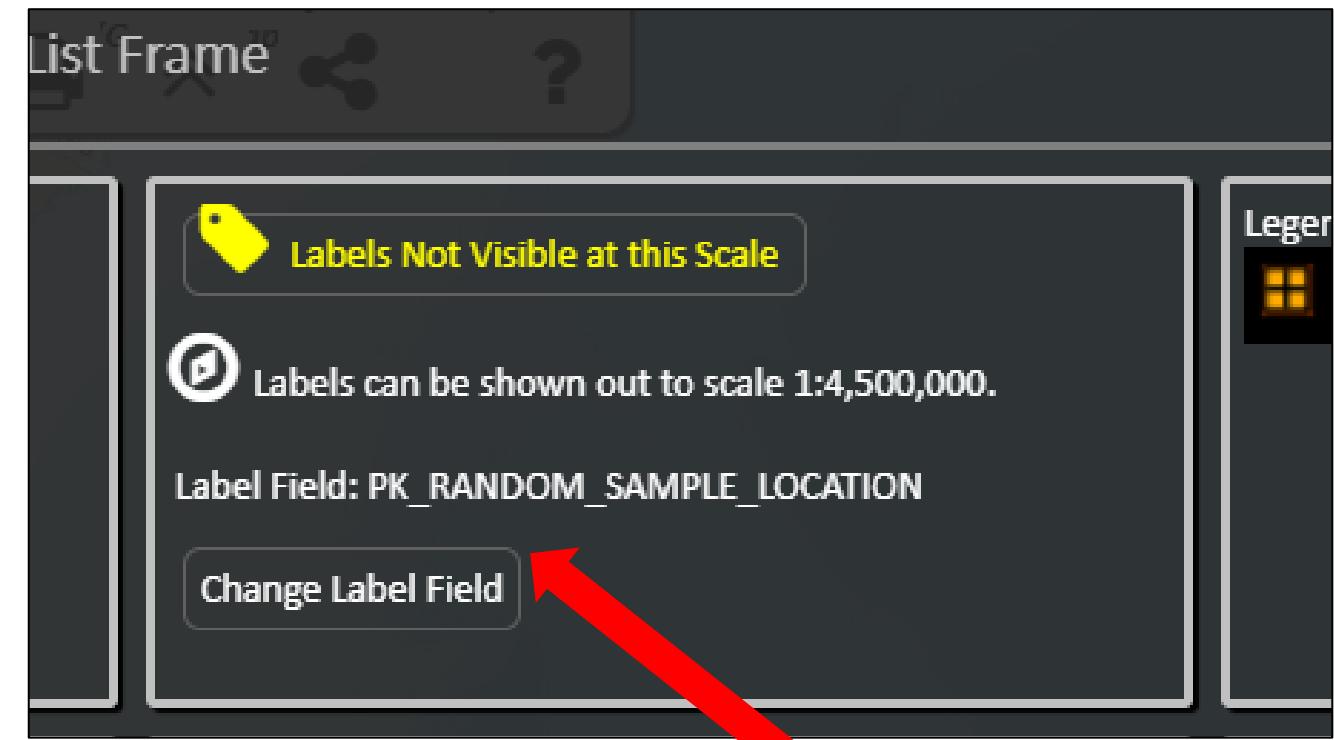
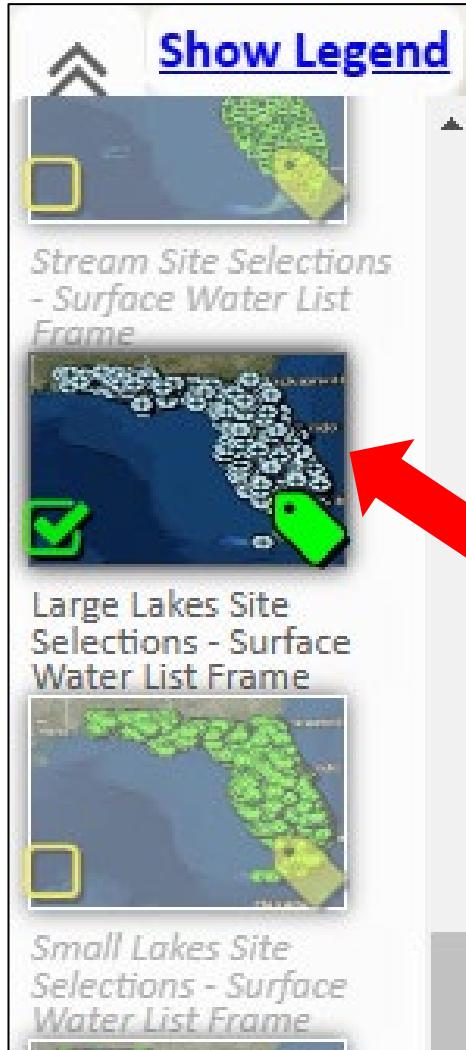
Large Lakes Site Selections - Surface Water List Frame: 20 found.

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)	The d angul east meric meas prime conv negat for th value pract
	Primary key	One of the six geographic zones used for data analysis. Zones correspond to WMS boundaries, except for South Florida which is split into an east and west subunits. For cycle two of the status network see TMDL_BASIN database field name	The name identifying the type of the water body on which the station is located. The designation 'stream' includes canals, rivers, and sloughs. The designation 'lake' includes some marshes. Dictates which Impaired Water Rule (IWR) assessment procedure to use.	Legal or USGS quad (DRG) name of the water body on which the station resides	Boolean value indicating whether site is samplable	The degrees portion of the angular distance on a meridian north or south of the equator	The minutes portion of the angular distance on a meridian north or south of the equator.	The seconds portion to four significant digits of the angular distance on a meridian north or south of the equator.	
<input type="button" value="Remove"/> Z5-LL-19001	ZONE 5	LAKE	LAKE ARBUCKLE	N/A	27	41	53.473701	81	
<input type="button" value="Remove"/> Z5-LL-19002	ZONE 5	LAKE	LAKE KISSIMMEE	N/A	27	54	10.5778	81	
<input type="button" value="Remove"/> Z5-LL-19003	ZONE 5	LAKE	LAKE TOHOPEKALIGA	N/A	28	17	2.89673	81	
<input type="button" value="Remove"/> Z5-LL-19004	ZONE 5	LAKE		N/A	28	26	41.303902	81	
<input type="button" value="Remove"/> Z5-LL-19005	ZONE 5	LAKE	LAKE ROSALIE	N/A	27	56	12.109	81	
<input type="button" value="Remove"/> Z5-LL-19006	ZONE 5	LAKE	ALLIGATOR LAKE	N/A	28	12	35.165699	81	
<input type="button" value="Remove"/> Z5-LL-19007	ZONE 5	LAKE	EAST LAKE TOHOPEKALIGA	N/A	28	16	32.131699	81	
<input type="button" value="Remove"/> Z5-LL-19008	ZONE 5	LAKE		N/A	28	29	10.4425	81	
<input type="button" value="Remove"/> Z5-LL-19009	ZONE 5	LAKE	LAKE WEOHYAKAPKA	N/A	27	49	41.474201	81	
<input type="button" value="Remove"/> Z5-LL-19010	ZONE 5	LAKE	LAKE TOHOPEKALIGA	N/A	28	10	9.12725	81	
<input type="button" value="Remove"/> Z5-LL-19011	ZONE 5	LAKE	LAKE KISSIMMEE	N/A	27	48	47.670601	81	
<input type="button" value="Remove"/> Z5-LL-19012	ZONE 5	LAKE	LAKE ISTOKPOGA	N/A	27	22	9.47002	81	
<input type="button" value="Remove"/> Z5-LL-19013	ZONE 5	LAKE	LAKE KISSIMMEE	N/A	27	55	4.77608	81	
<input type="button" value="Remove"/> Z5-LL-19014	ZONE 5	LAKE	LAKE HATCHINEHA	N/A	28	0	38.057999	81	
<input type="button" value="Remove"/> Z5-LL-19015	ZONE 5	LAKE	LAKE MARION	N/A	28	5	57.049702	81	
<input type="button" value="Remove"/> Z5-LL-19016	ZONE 5	LAKE	LAKE ISTOKPOGA	N/A	27	23	37.014099	81	
<input type="button" value="Remove"/> Z5-LL-19017	ZONE 5	LAKE	LAKE ARBUCKLE	N/A	27	42	48.5565	81	
<input type="button" value="Remove"/> Z5-LL-19018	ZONE 5	LAKE	LAKE KISSIMMEE	N/A	27	59	4.53651	81	
<input type="button" value="Remove"/> Z5-LL-19019	ZONE 5	LAKE	EAST LAKE TOHOPEKALIGA	N/A	28	18	44.298	81	
<input type="button" value="Remove"/> Z5-LL-19020	ZONE 5	LAKE	LAKE DOWN	N/A	28	30	4.90749	81	



COMMON RECON TOOLS:

CHANGE SITE LABELS

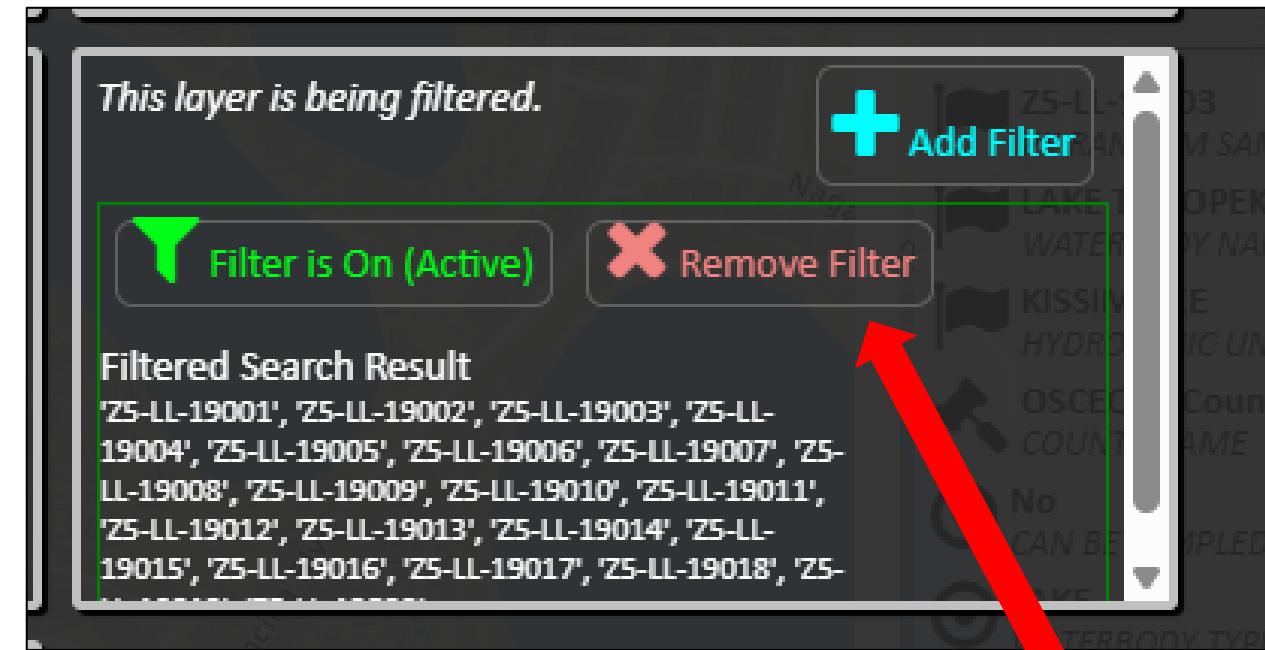
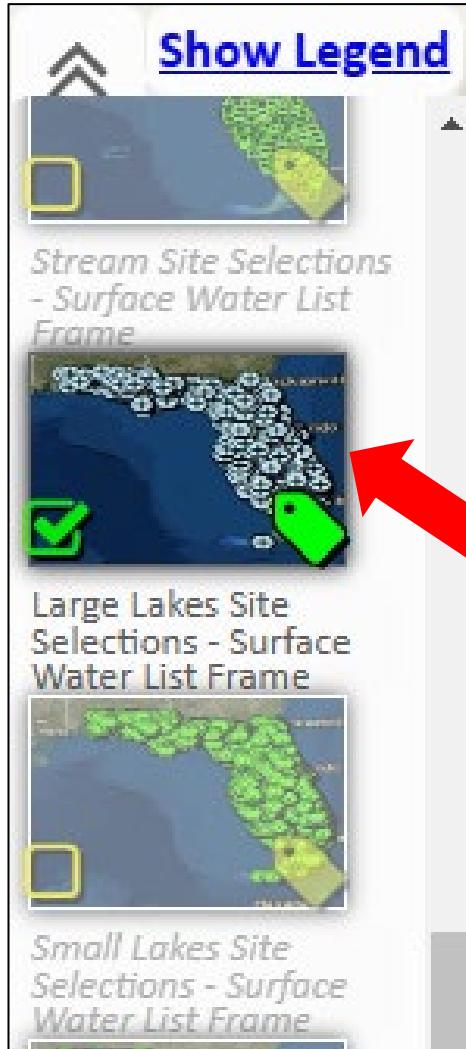


Double click the Large Lakes Site selections tile with left mouse button (Double Touch for touch screen devices.).

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



COMMON RECON TOOLS: CHANGE FILTERS FOR DATA DISPLAYED



Double click the Large 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-LL-19004|Z5-LL-19008

- Click “Set Filter”.

Large 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 - Internet Explorer may crash when trying to do this for fields with thousands of values
- 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 any value containing the entered values. Example - 'Z2-SS-14' would match 'Z2-SS-14001' and 'Z2-SS-14199'
- Click Set Filter to apply the filter
- Click Cancel to abort

Z5-LL-19008

Near Match



EXPLORE COMMONLY USED RECON TOOLS

After practicing changing labels and filters, please refresh your internet browser again to return to the original view of Z5 LL, Cycle 19 Search Results.

The screenshot displays the "Map Direct: Generalized Water Information System". The main view is a map showing a large blue body of water labeled "Z5-LL-19001". The surrounding land is green, with a yellow area labeled "Blue Jordan Swamp". A road labeled "School Business Rd" is visible. On the left, a sidebar titled "CHANGE MAP LAYERS" lists "Florida Dams", "Large Lakes Site Selections - Surface Water List Frame" (which is selected and highlighted in blue), and "Military Bases". The bottom left shows a "Show Imagery Slider" with a small map of the area. The bottom right features zoom controls (+, -, up, down) and a "Show County" dropdown.

The right side of the screen shows a detailed search results panel for "Z5-LL-19001". The search bar at the top contains the text "Search for: Z5-LL-19001,Z5-LL-19002,Z5-LL-19003,Z5-LL-19004,Z5-LL-19005,Z5-LL-19006,Z5-LL-19007,Z5-LL-19008,Z5-LL-19009,Z5-LL-19010,Z5-LL-19011,Z5-LL-19012,Z5-LL-19013,Z5-LL-19014,Z5-LL-19015,Z5-LL-19016,Z5-LL-19017,Z5-LL-19018,Z5-LL-19019,Z5-LL-19020". Below the search bar are buttons for "Search", "Clear", "Print", "Table", "Zoom To All 20 selected features", "Download", and "Format".

The results list for "Large Lakes Site Selections - Surface Water List Frame" includes the following details for Z5-LL-19001:

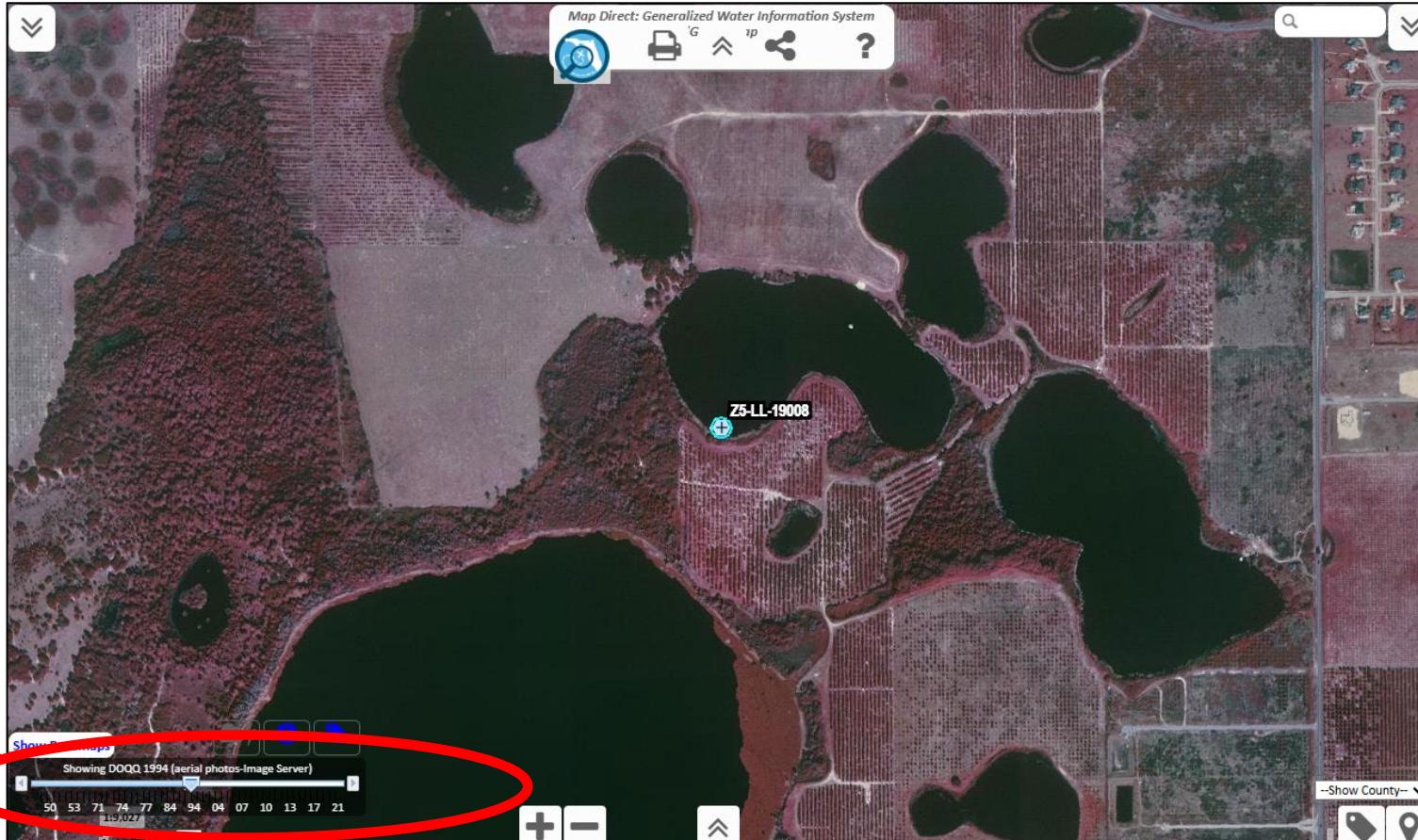
- Z5-LL-19001
- PK RANDOM SAMPLE LOCATION
- LAKE ARBUCKLE
- WATERBODY NAME
- KISSIMMEE
- HYDROLOGIC UNIT NAME
- POLK County
- COUNTY NAME
- N/A
- CAN BE SAMPLED
- LAKE
- WATERBODY TYPE
- Comments
- Public Land Survey Coordinates
- ZONE 5
- REPORTING UNIT
- Latitude: 27° 41' 53.473701"
- Longitude: 81° 25' 2.70316"

At the bottom of the panel are buttons for "Nearby", "Zoom", "Pan", and "Remove".



COMMON RECON TOOLS: EXAMINE IMAGERY FROM MULTIPLE YEARS

Click “Show Imagery Slider.”



Example:
DOQQ 1994

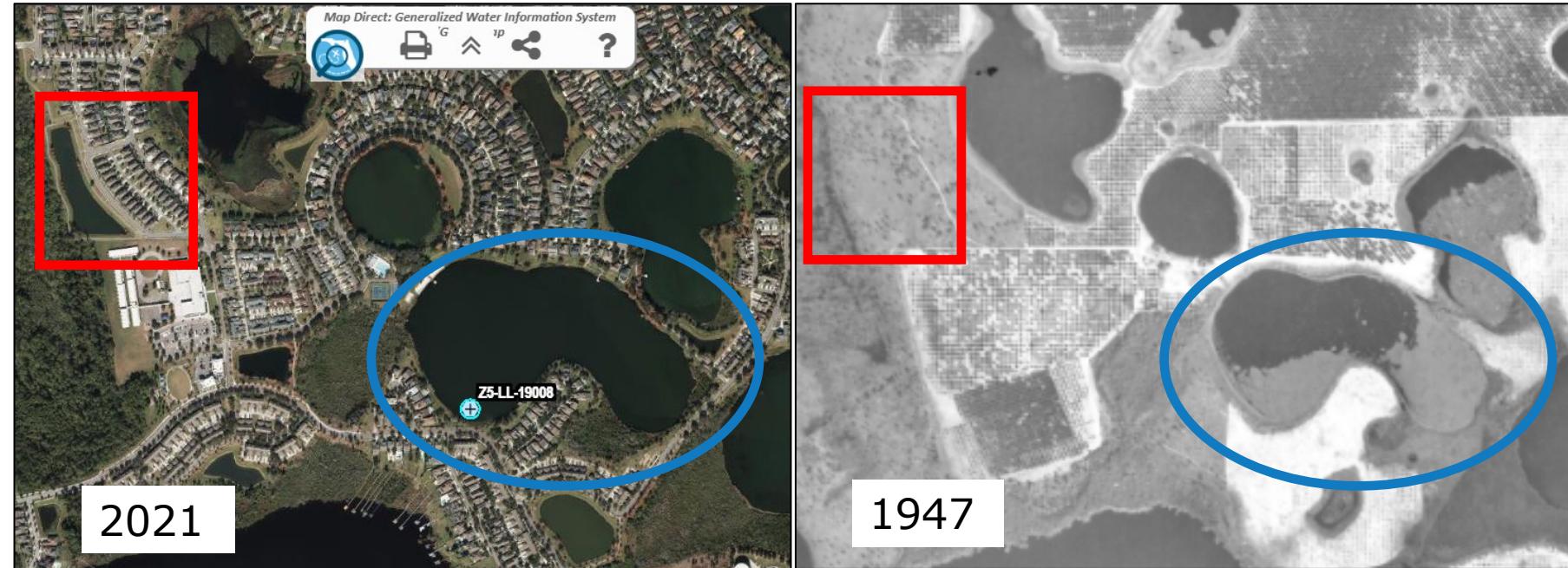


CONFIRM PRESENCE OF WATERBODY IN HISTORIC AERIALS

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 Unnamed Lake (Z5-LL-19008) is present in photos from 1947.

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

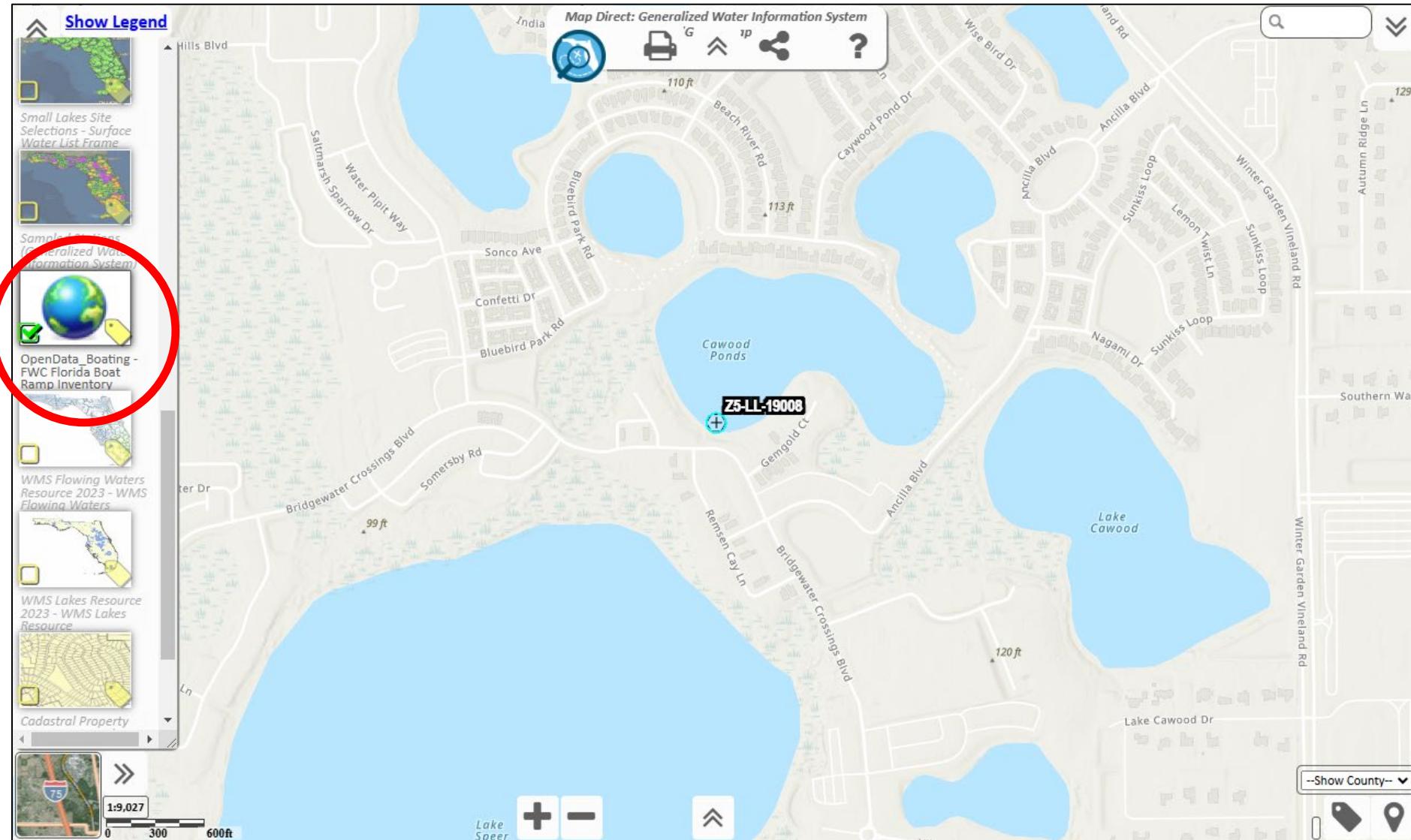


EXPLORE TOOLS FOR SITE ACCESS

- Make Florida Fish and Wildlife Conservation Commission (FWC) Boat Ramps Layer Visible.
- Identify landowners surrounding the lake.

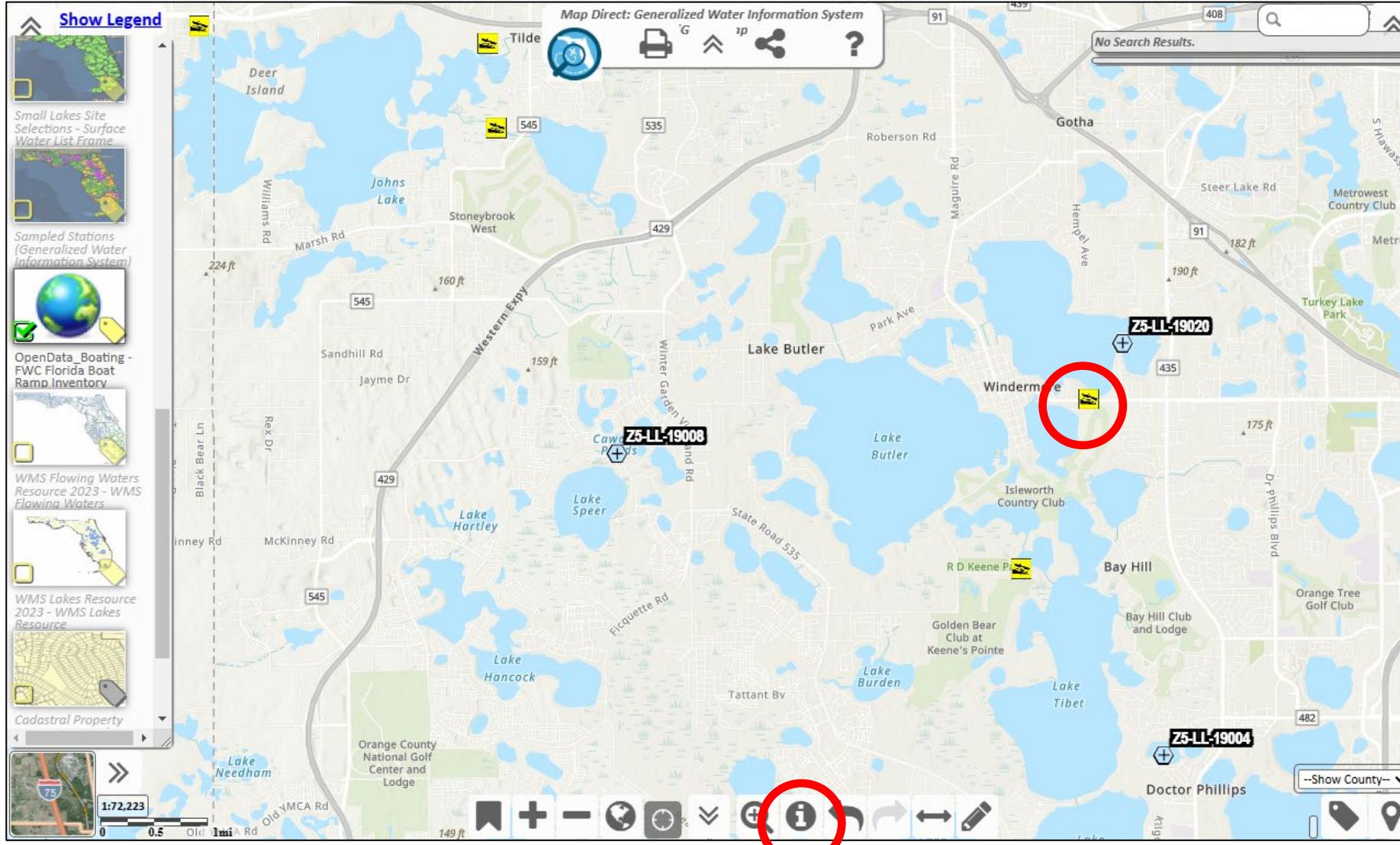


TOOLS FOR SITE ACCESS: FWC BOAT RAMPS LAYER





TOOLS FOR SITE ACCESS: FWC BOAT RAMPS LAYER



Use Identify
Tool to
Display
Details.

(No boat ramps
on selected
unnamed lake.
Example shown
for other lakes
nearby.)



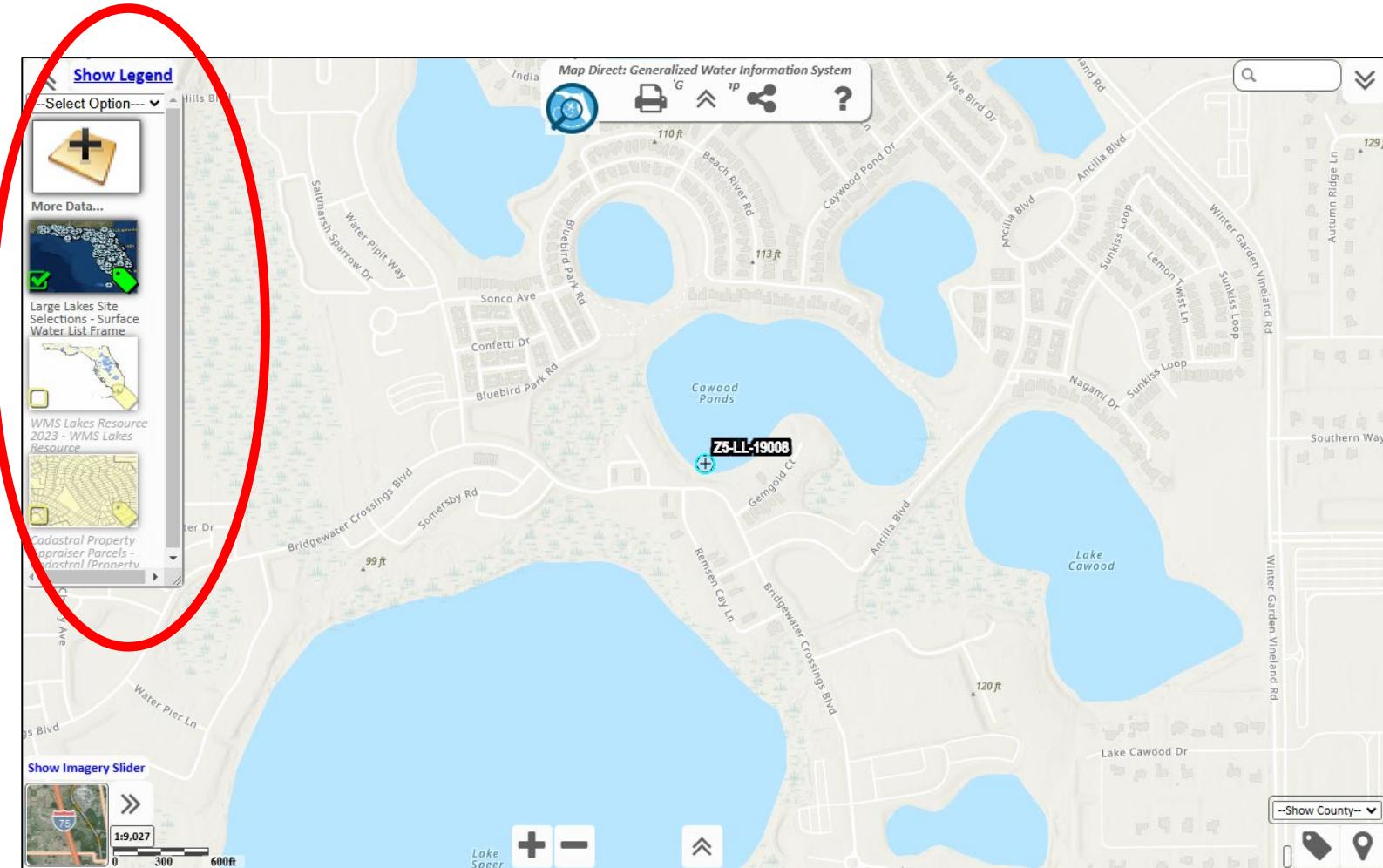
TOOLS FOR SITE ACCESS: IDENTIFY PROPERTY OWNERS

Preparation:

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

Except:

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

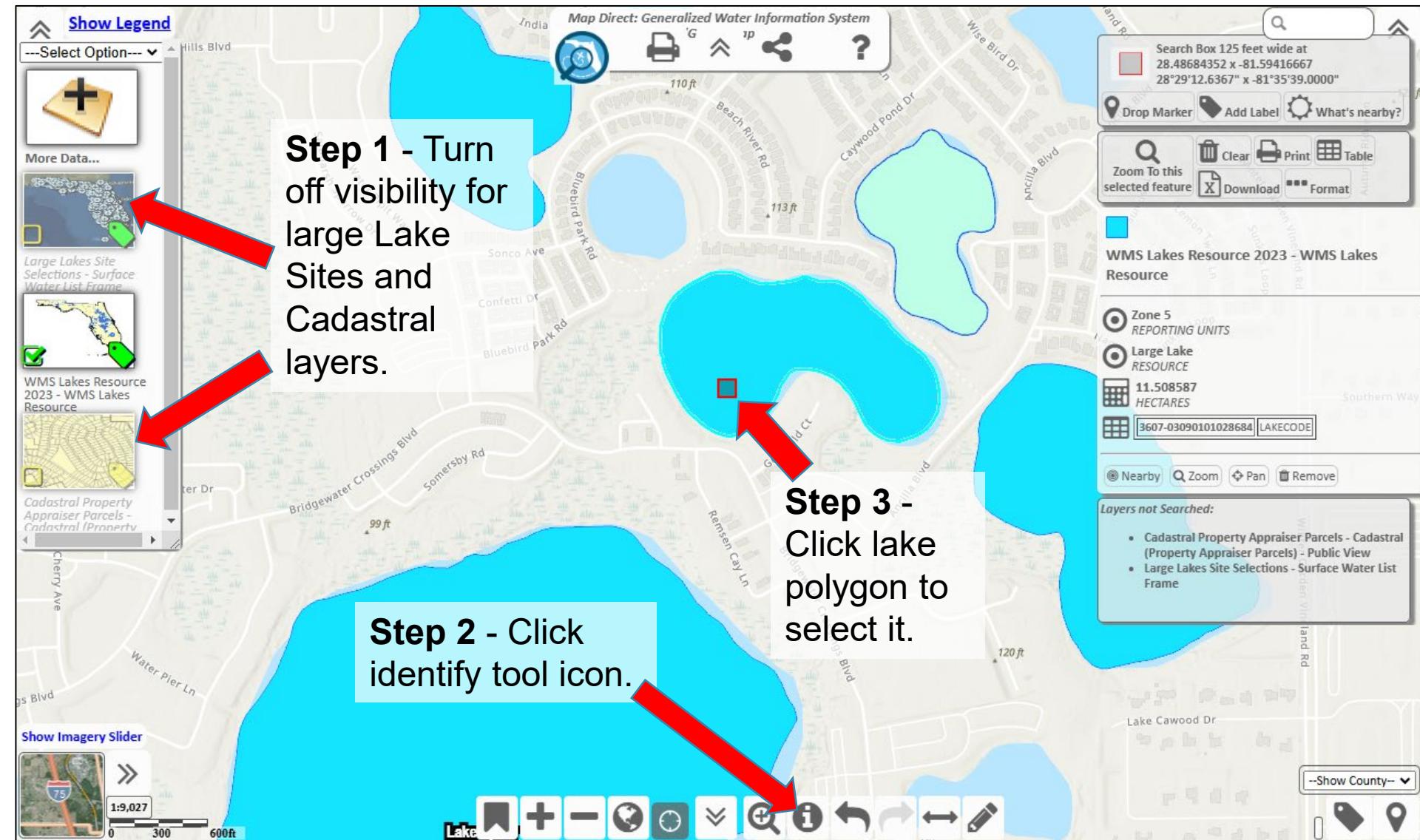




TOOLS FOR SITE ACCESS: IDENTIFY PROPERTY OWNERS

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

Use identify tool to select the Unnamed Lake that contains site Z5-LL-19003.



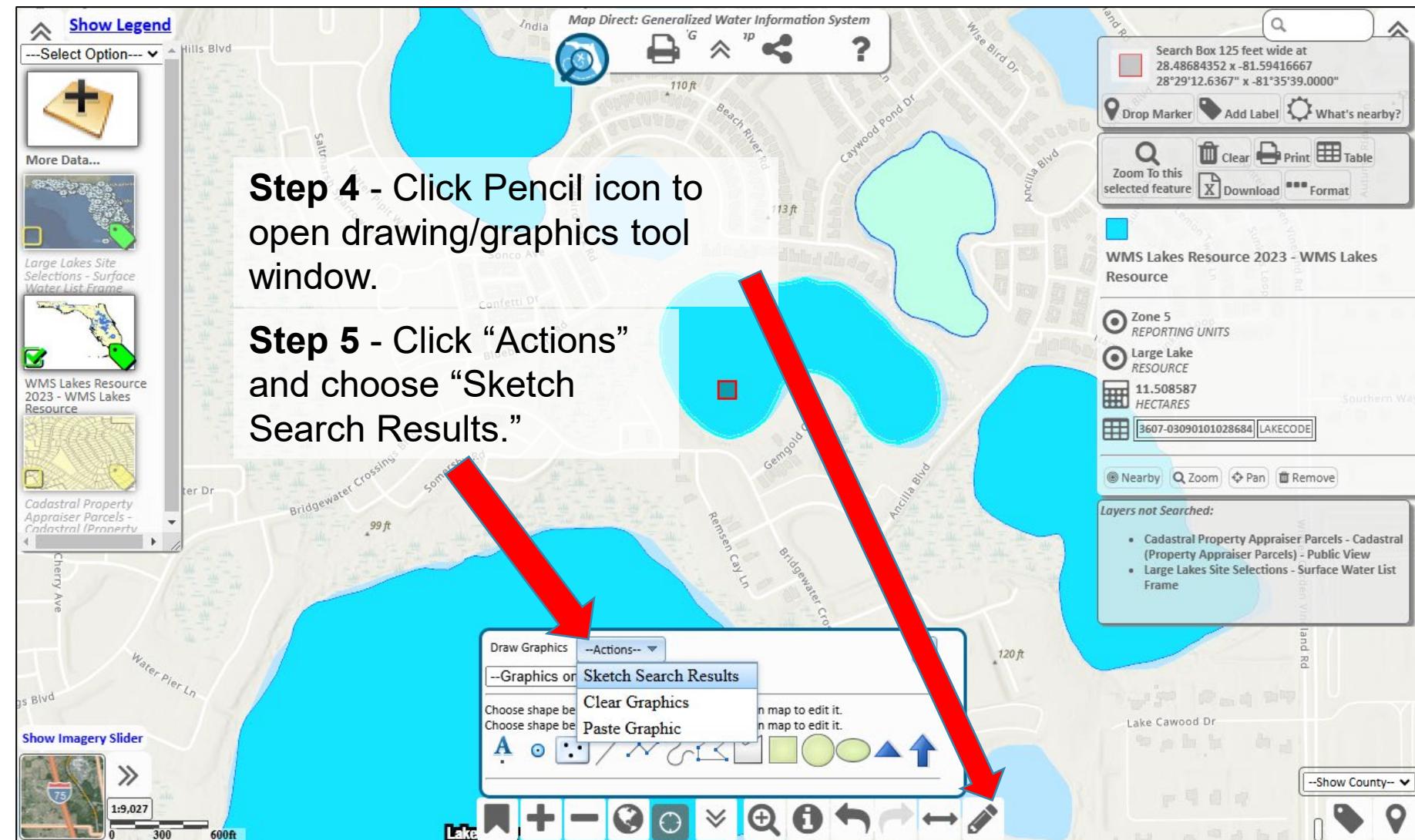


TOOLS FOR SITE ACCESS: IDENTIFY PROPERTY OWNERS

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.



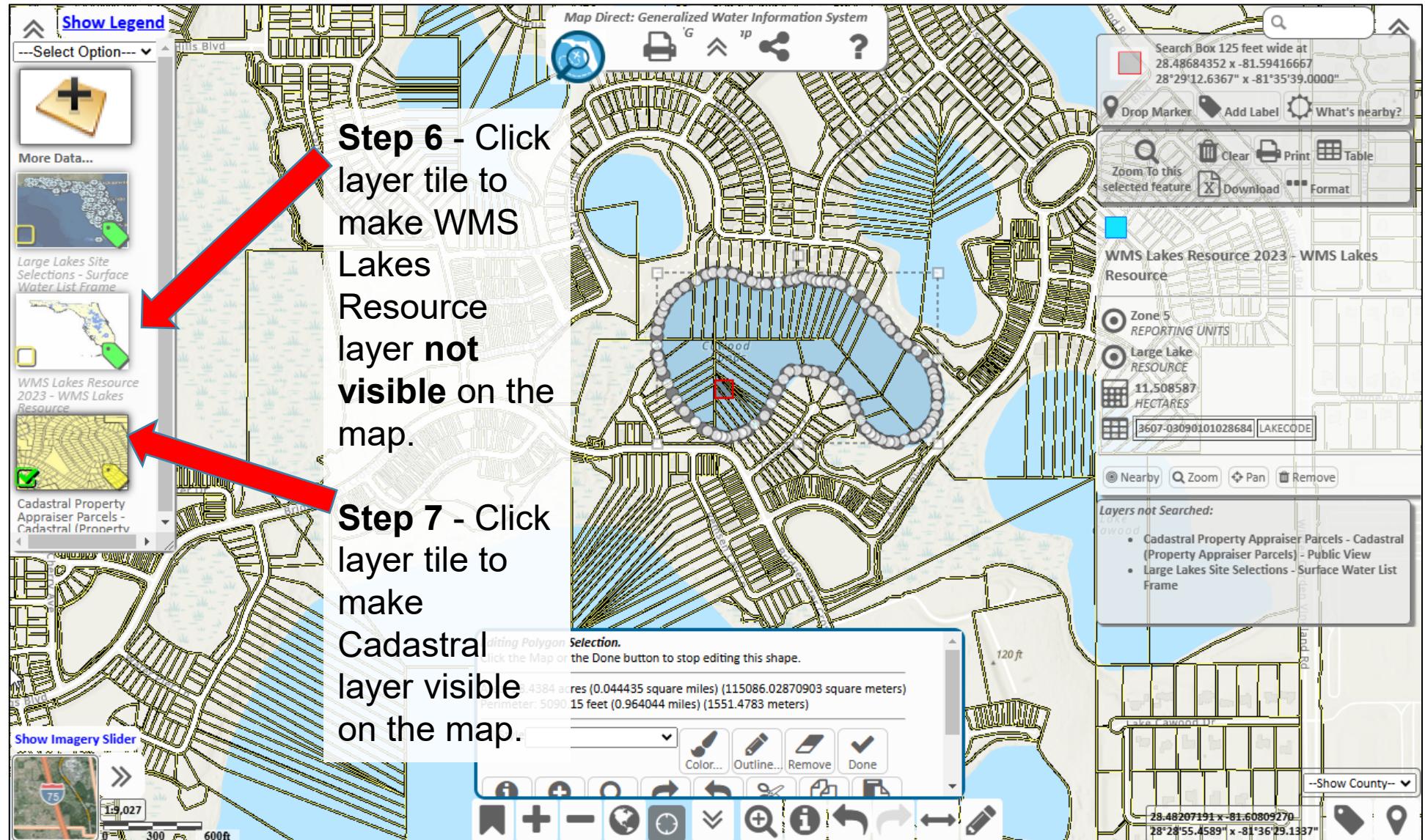


TOOLS FOR SITE ACCESS: IDENTIFY PROPERTY OWNERS

Use polygon drawing to identify parcels and owners.

Make lake polygons layer not visible.

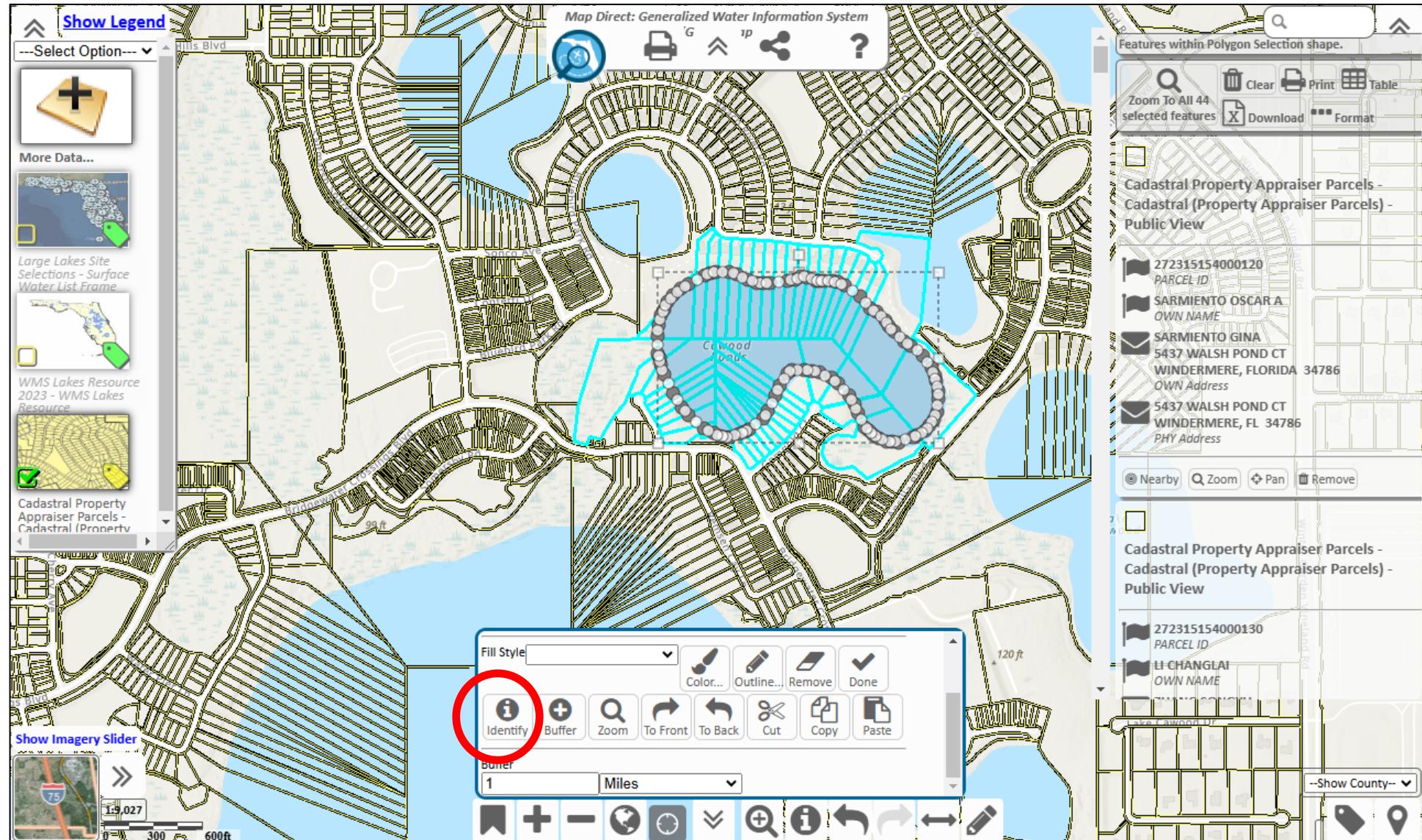
Make cadastral layer visible.





TOOLS FOR SITE ACCESS: IDENTIFY PROPERTY OWNERS

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





TOOLS FOR SITE ACCESS: IDENTIFY PROPERTY OWNERS

Open table view
and download
spreadsheet of
selected parcels
and property
owner information.

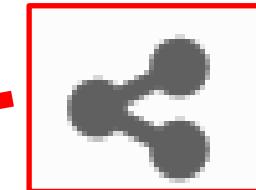
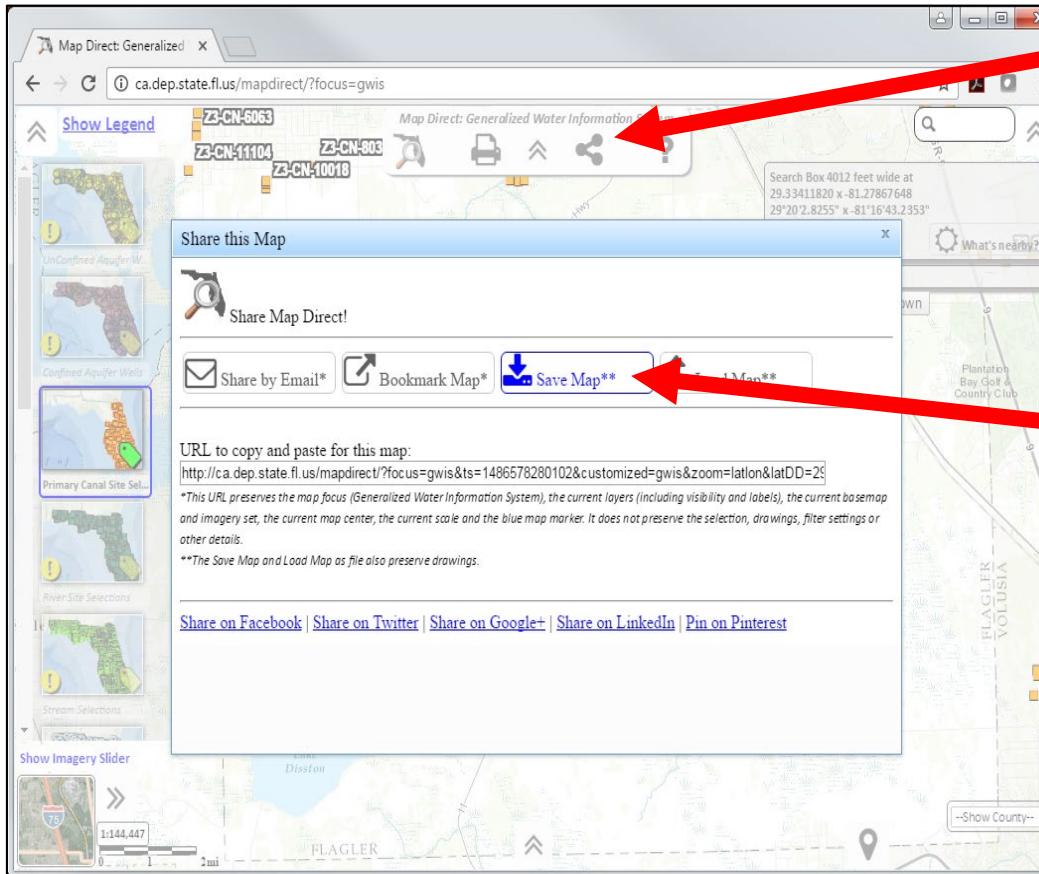
Clear Results

Cadastral Property Appraiser Parcel Cadastral (Property Appraiser Parcels) - Public View: 44 found.

	OBJECTID (OID)	PARCELNO (String)	PARCEL ID (String)	OWN_NAME (String)	OWN_ADDR1 (String)	OWN_ADDR2 (String)	OWN_CITY (String)	OWN_S (String)
	Internal feature number.		Parcel Identification Code. This field reflects a unique code assigned to each parcel by the property appraiser based on a parcel coding system that is applied uniformly within the county. The uniform coding system is determined by the property appraiser and will therefore vary from county-to-county. The entry in this field is variable length and can contain up to 26 alphanumeric characters. Examples (two of several systems in use by property appraisers): County A may use a section/township/range/subdivision/block/lot coding system; County B may use a seven digit leading and four digit extension system: 1234567-1234	Owner's Name. This field reflects data that represents the primary owner's name. The entry in this field is variable length and can contain up to 30 alphanumeric characters.	Owner's Street or PO Box Address - Line 1. This field reflects data that represents the street or P.O. Box of the primary owner's mailing address. The entry in this field is variable length and can contain up to 40 alphanumeric characters.	Owner's Street Address-Line 2. This field reflects data that represents additional space if needed for the primary owner's mailing address. If not required, this field will be blank. The entry in this field is variable length and can contain up to 40 alphanumeric characters.	Owner Mailing Address-City. This field reflects data that represents the city of the primary owner's mailing address. The entry in this field is variable length and can contain up to 40 alphanumeric characters.	Owner Mailing Address-Address. This field reflects data that represents the street or P.O. Box of the primary owner's mailing address. The entry in this field is variable length and can contain up to 25 characters.
	6005060	272315154000120	272315154000120	SARMIENTO OSCAR A	SARMIENTO GINA	5437 WALSH POND CT	WINDERMERE	FLORIDA
	6005061	272315154000130	272315154000130	LI CHANGLAI	ZHANG SONGYU	5443 WALSH POND CT	WINDERMERE	FLORIDA
	6005068	272315154000200	272315154000200	TAMIKO J HAEUSEL REVOCABLE TRU	C/O TAMIKO J HAEUSEL TRUSTEE	5432 GEMGOLD CT	WINDERMERE	FLORIDA
	6039775	272310839000370	272310839000370	RYEL HEATHER J	14038 BLUEBIRD PARK RD		WINDERMERE	FLORIDA
	6032518	272310839000330	272310839000330	PALMER SAMUEL J	PALMER BARBARA J	14014 BLUEBIRD PARK RD	WINDERMERE	FLORIDA
	6009289	272310838901360	272310838901360	FABIOLA CARVALHINHO REVOCABLE	C/O FABIOLA CARVALHINHO TRUSTEE	14451 BLUEBIRD PARK RD	WINDERMERE	FLORIDA
	6005065	272315154000170	272315154000170	UNDER THE BANYAN TREE LLC	5456 GEMGOLD CT		WINDERMERE	FLORIDA
	6005066	272315154000180	272315154000180	PHILLIPS WILLIAM RICHARD	PHILLIPS LISA	5450 GEMGOLD CT	WINDERMERE	FLORIDA
	6005070	272315154000220	272315154000220	MASSAYA-ANON NILONGKOT	HOON SAMANG SAE	5420 GEMGOLD CT	WINDERMERE	FLORIDA
	6006358	272315154000270	272315154000270	SCHMITZ GREGORY R	SCHMITZ JOANNA	5409 GEMGOLD CT	WINDERMERE	FLORIDA
	6005059	272315154000110	272315154000110	SMITH SHARON A	5431 WALSH POND CT		WINDERMERE	FLORIDA
	6014306	272315154000070	272315154000070	WALSH POND LLC	1966 HILLVIEW ST		SARASOTA	FLORIDA
	6032519	272310839000340	272310839000340	MURPHY DANIEL	MURPHY ALLISON	14020 BLUEBIRD PARK RD	WINDERMERE	FLORIDA
	6013175	272310838901320	272310838901320	FRIEDMAN MICHAEL J	FRIEDMAN CHRISTINE A	13832 BLUEBIRD PARK RD	WINDERMERE	FLORIDA
	6014307	272315154000080	272315154000080	DIAZ CARMEN LUZ	5413 WALSH POND CT		WINDERMERE	FLORIDA
	6039774	272310839000360	272310839000360	DAVIES CRAIG	CHAMBERS ANDREA	14032 BLUEBIRD PARK RD	WINDERMERE	FLORIDA
	6032517	272310839000320	272310839000320	KHAN FARHANA	391 BURLOAK DR		OAKVILLE ONTARIO	CANADA
	6006355	272315154000240	272315154000240	WANG XIKE	BATTILLO CHIHMING	5408 GEMGOLD CT	WINDERMERE	FLORIDA
	6002556	272315154003001	272315154003001	SUMMERPORT RESIDENTIAL PROPERTY	14422 BLUEBIRD PARK RD		WINDERMERE	FLORIDA
	6005064	272315154000160	272315154000160	HAEUSEL TAMIKO	5432 GEMGOLD CT		WINDERMERE	FLORIDA
	6005067	272315154000190	272315154000190	EICHELBERGER JONATHAN DEAN	EICHELBERGER SEMRA FRANCESCA	5438 GEMGOLD CT	WINDERMERE	FLORIDA
	6006767	272315154012002	272315154012002	SUMMERPORT RESIDENTIAL PROPERTY	14422 BLUEBIRD PARK RD		WINDERMERE	FLORIDA
	6032520	272310839000350	272310839000350	GORDON SUSAN I	14026 BLUERBIRD PARK RD		WINDERMERE	FLORIDA



SAVING AND LOADING MAPS: SAVE MAP TOOL



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

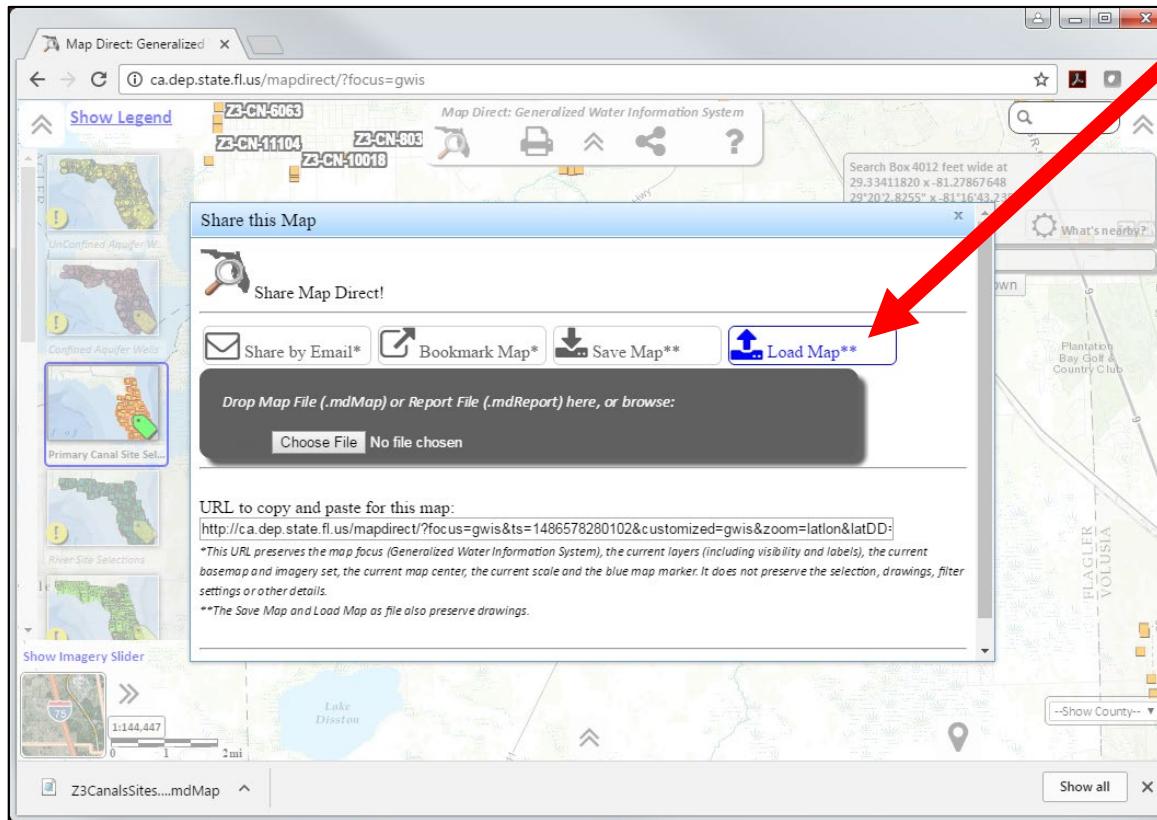


File will be saved with
the “.mdMap” extension.

Default file name is unrelated to your search criteria.
Before saving, enter a more meaningful name for the file.
“Z5_LL_Cycle19_Sites1to20.mdMap”.



SAVING AND LOADING MAPS: LOAD MAP TOOL



“Z5_LL_Cycle19_Sites1to20.mdMap”



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



ADDITIONAL ONLINE RESOURCES

Map Direct Help Guides

<https://ca.dep.state.fl.us/MapDirectDocs/>

Watershed Information Center

Map Direct Resources Section

[\(https://floridadep.gov/dear/watershed-monitoring-section/content/watershed-monitoring-information-center\)](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

