



# MAP DIRECT PRACTICE EXERCISE

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Division of Environmental Assessment and Restoration Florida  
Department of Environmental Protection

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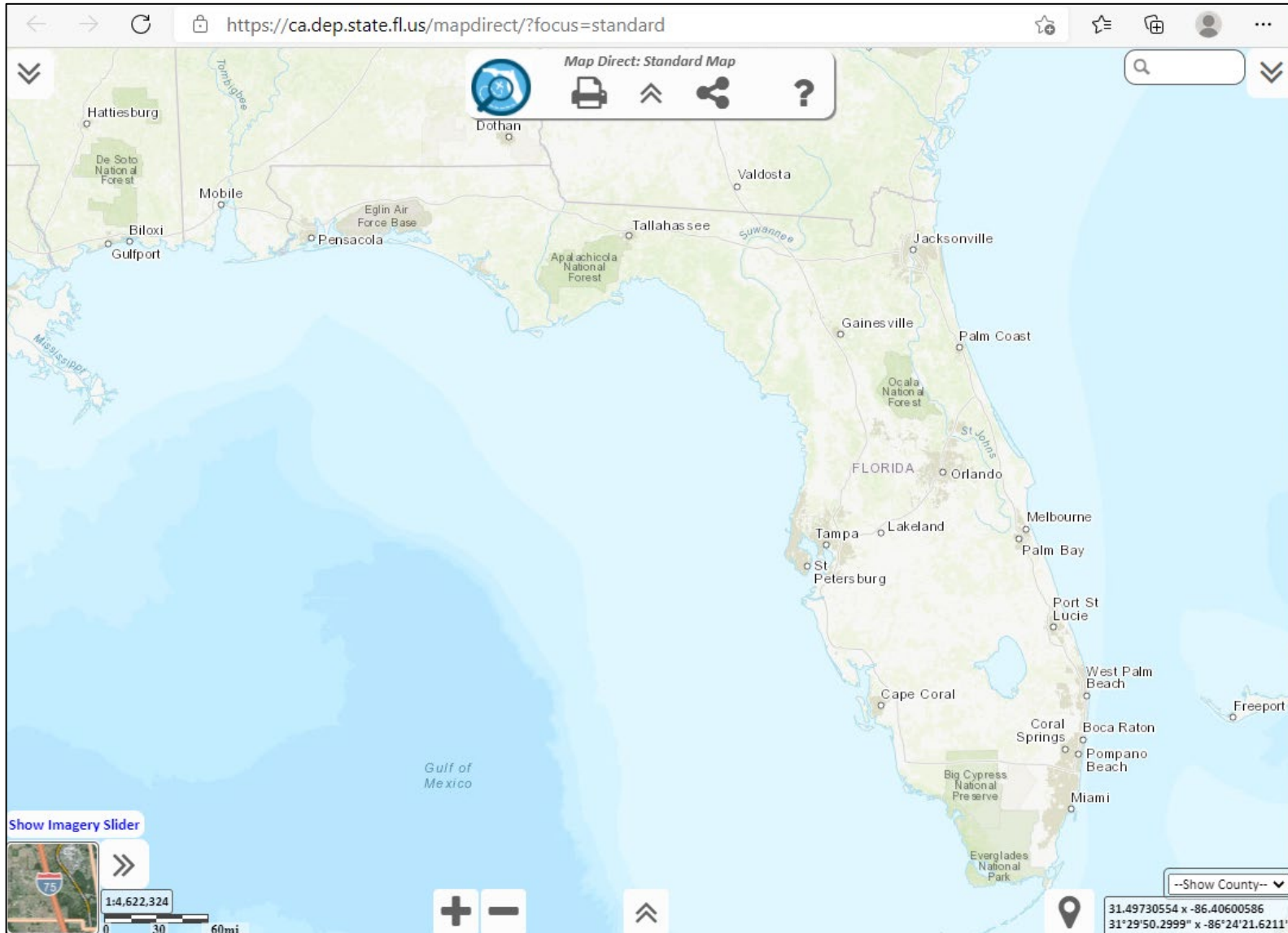


# PRESENTATION OVERVIEW

- 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/>

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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

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### 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](#).

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# PRACTICE EXERCISE

Click on  
Recon  
Tracking.

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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 = 18 (2024)

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."

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Div of Environmental Assessment and Restoration

Home Help Logged in as

### Recon Tracking Results

**Selection Criteria:**  
Resource Type = SMALL LAKE; Reporting Unit = Zone 5; Reporting Cycle = 18; Lower Range = 1; Upper Range = 20;

Show Map CSV

RANDOM SAMPLE LOCATION	LATITUDE	LONGITUDE	SAMPLEABLE	STATION ID
Z5-SL-18001	27° 48' 39.1469994"	81° 19' 29.2495003"	N/A	
Z5-SL-18002	28° 29' 22.6081009"	81° 35' 24.6436005"	N/A	
Z5-SL-18003	28° 20' 53.6483002"	81° 38' 40.0340996"	N/A	
Z5-SL-18004	28° 23' 29.0911999"	81° 28' 37.2111015"	N/A	



# EXPLORE MAP DIRECT INTERFACE: CHEVRON BUTTONS EXPAND AND HIDE MENUS

Map Direct: Generalized Water Information System

Search for: Z5-SL-18001,Z5-SL-18002,Z5-SL-18003,Z5-SL-18004,Z5-SL-18005,Z5-SL-18006,Z5-SL-18007,Z5-SL-18008,Z5-SL-18009,Z5-SL-18010,Z5-SL-18011,Z5-SL-18012,Z5-SL-18013,Z5-SL-18014,Z5-SL-18015,Z5-SL-18016,Z5-SL-18017,Z5-SL-18018,Z5-SL-18019,Z5-SL-18020

Zoom To All 20 selected features

Clear Print Table Download Format

Small Lakes Site Selections - Surface Water List Frame

- Z5-SL-18001  
PK RANDOM SAMPLE LOCATION
- 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

--Show County--

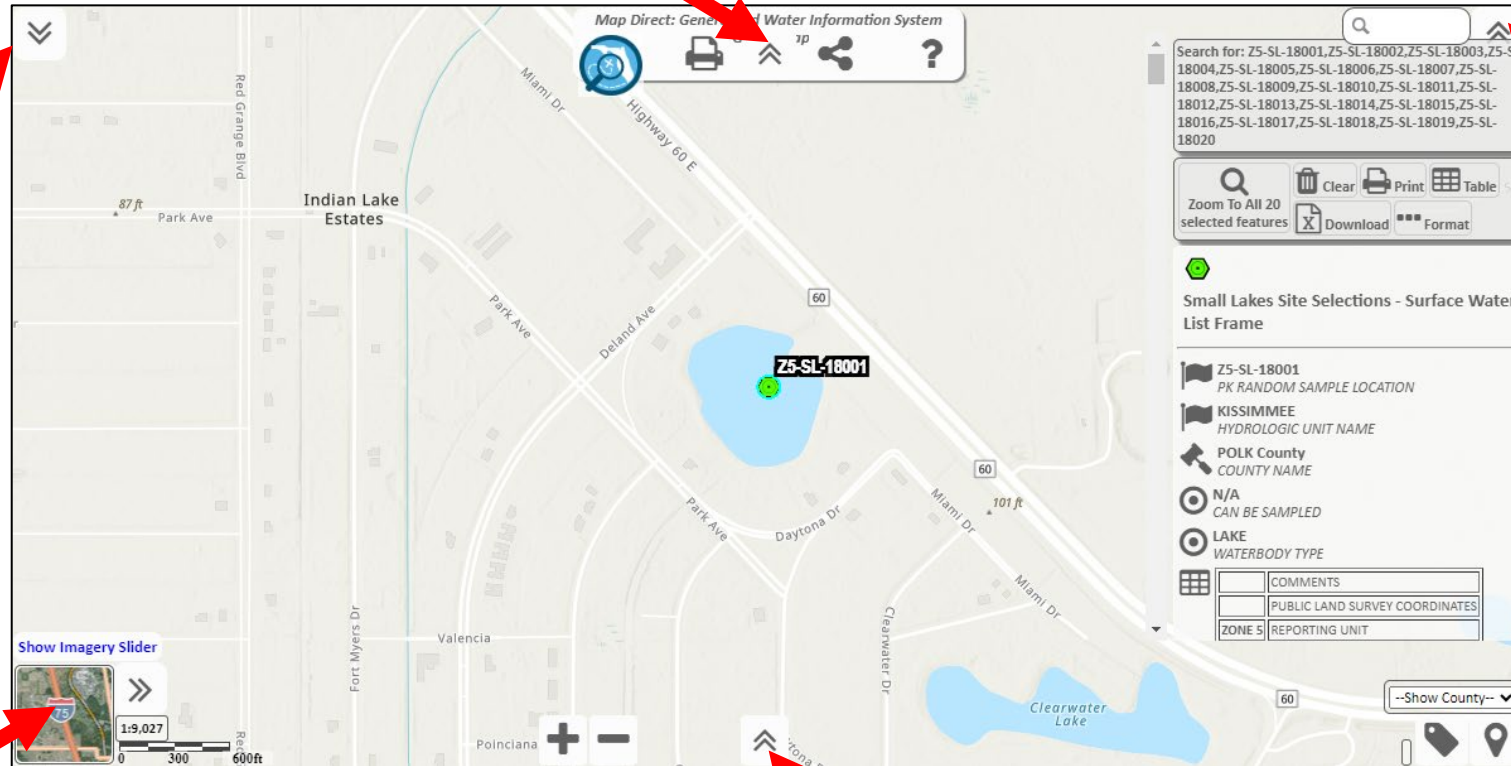
Map navigation controls: Home, Print, Expand Menu, Share, Help, Imagery Slider, Zoom In, Zoom Out, Full Screen



# MAP DIRECT MENUS

Save/Load/Share Maps; Map Direct Help

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



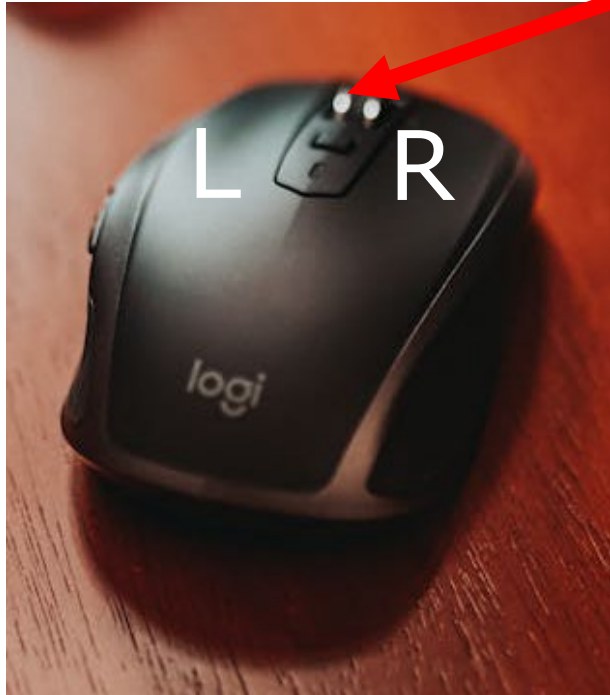
Search  
Options;  
View  
Feature  
Attributes

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 or to zoom into and out of the map view.

## Left button (L)

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

## Right button (R)

- Click and hold to pan the map with all tool menus temporarily hidden.
- 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

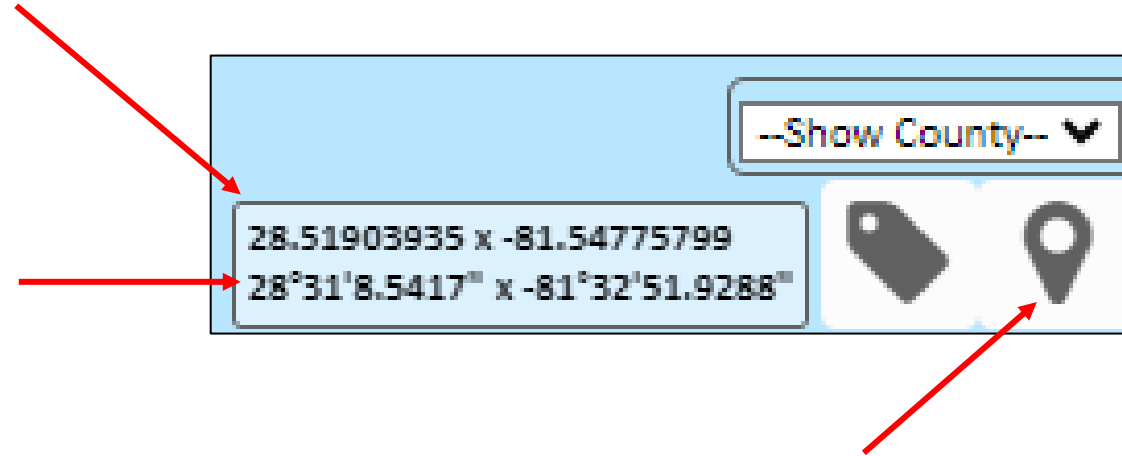
- Zoom in on an area of the map.
- Open the layer tools menu by interacting with an item in the contents panel.



# EXPLORE MAP DIRECT INTERFACE: COORDINATES OF MOUSE POINTER

Latitude, Longitude  
(Decimal Degrees)

Latitude, Longitude  
(Degrees, Minutes, and  
Decimal Seconds)



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 18 Search Results.

The screenshot displays a web-based GIS application interface. The main map area shows a satellite-style view of a residential area with a blue lake. A green circular marker on the lake is labeled "Z5-SL-18001". The map includes street names such as Miami Dr, Highway 60 E, Park Ave, Deland Ave, Daytona Dr, Clearwater Dr, Fort Myers Dr, and Valencia. A scale bar at the bottom indicates 1:9,027, with markers for 0, 300, and 600 feet. A "Show Imagery Slider" is visible in the bottom left corner.

On the right side, there is a search results panel. At the top, it says "Search for: Z5-SL-18001,Z5-SL-18002,Z5-SL-18003,Z5-SL-18004,Z5-SL-18005,Z5-SL-18006,Z5-SL-18007,Z5-SL-18008,Z5-SL-18009,Z5-SL-18010,Z5-SL-18011,Z5-SL-18012,Z5-SL-18013,Z5-SL-18014,Z5-SL-18015,Z5-SL-18016,Z5-SL-18017,Z5-SL-18018,Z5-SL-18019,Z5-SL-18020". Below this are icons for "Zoom To All 20 selected features", "Clear", "Print", "Table", "Download", and "Format". The selected feature is "Z5-SL-18001".

The feature details panel on the right lists the following information:

- Z5-SL-18001**  
PK RANDOM SAMPLE LOCATION
- KISSIMMEE**  
HYDROLOGIC UNIT NAME
- POLK County**  
COUNTY NAME
- N/A**  
CAN BE SAMPLED
- LAKE**  
WATERBODY TYPE

Below the feature details is a table with the following columns and rows:

	COMMENTS
	PUBLIC LAND SURVEY COORDINATES
ZONE 5	REPORTING UNIT

At the bottom right of the map area, there is a dropdown menu labeled "--Show County--".



# COMMON RECON TOOLS: ZOOM TO ALL SELECTED SITES

Map Direct: Generalized Water Information System

Map shows:

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

Indian Lake Estates

Clearwater Lake

Search for: Z5-SL-18001,Z5-SL-18002,Z5-SL-18003,Z5-SL-18004,Z5-SL-18005,Z5-SL-18006,Z5-SL-18007,Z5-SL-18008,Z5-SL-18009,Z5-SL-18010,Z5-SL-18011,Z5-SL-18012,Z5-SL-18013,Z5-SL-18014,Z5-SL-18015,Z5-SL-18016,Z5-SL-18017,Z5-SL-18018,Z5-SL-18019,Z5-SL-18020

Zoom To All 20 selected features

Small Lakes Site Selections - Surface Water List Frame

- Z5-SL-18001  
PK RANDOM SAMPLE LOCATION
- 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

--Show County--

1:9,027

0 300 600ft

Polncl

Zoom To All 20 selected features





# COMMON RECON TOOLS: ZOOM TO ALL SITES

Zone 5  
small lakes  
Cycle 18,  
Sites 1 to 20.

Map Direct: Generalized Water Information System

Search for: Z5-SL-18001,Z5-SL-18002,Z5-SL-18003,Z5-SL-18004,Z5-SL-18005,Z5-SL-18006,Z5-SL-18007,Z5-SL-18008,Z5-SL-18009,Z5-SL-18010,Z5-SL-18011,Z5-SL-18012,Z5-SL-18013,Z5-SL-18014,Z5-SL-18015,Z5-SL-18016,Z5-SL-18017,Z5-SL-18018,Z5-SL-18019,Z5-SL-18020

Zoom To All 20 selected features

20 features selected here

drag corner thumb to resize [close]

Small Lakes Site Selections - Surface Water List Frame	
Z5-SL-18001	PK RANDOM SAMPLE LOCATION
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



# COMMON RECON TOOLS:

## VIEW SELECTED SITES IN TABLE

Map Direct: Generalized Water Information System

Search for: Z5-SL-18001,Z5-SL-18002,Z5-SL-18003,Z5-SL-18004,Z5-SL-18005,Z5-SL-18006,Z5-SL-18007,Z5-SL-18008,Z5-SL-18009,Z5-SL-18010,Z5-SL-18011,Z5-SL-18012,Z5-SL-18013,Z5-SL-18014,Z5-SL-18015,Z5-SL-18016,Z5-SL-18017,Z5-SL-18018,Z5-SL-18019,Z5-SL-18020

Table

Small Lakes Site Selections - Surface Water List Frame

- Z5-SL-18001 *bourne*  
PK RANDOM SAMPLE LOCATION
- KISSIMMEE *y*  
HYDROLOGIC UNIT NAME
- POLK County  
COUNTY NAME
- N/A  
CAN BE SAMPLED
- LAKE  
WATERBODY TYPE

COMMENTS
PUBLIC LAND SURVEY COORDINATES
ZONE 5 REPORTING UNIT

--Show County--



# TABLE VIEW

Click column name to sort.

Clear Results Printable View Download as Spreadsheet Close

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

<a href="#">PK RANDOM SAMPLE LOCATION</a> (String)	<a href="#">REPORTING UNIT</a> (String)	<a href="#">WATERBODY TYPE</a> (String)	<a href="#">WATERBODY NAME</a> (String)	<a href="#">CAN BE SAMPLED</a> (String)	<a href="#">LAT DD</a> (Double)	<a href="#">LAT MM</a> (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 DRG map 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 to dig dis me sou
<a href="#">Remove</a> Z5-SL-18001	ZONE 5	LAKE		N/A	27	48	39.
<a href="#">Remove</a> Z5-SL-18002	ZONE 5	LAKE		N/A	28	29	22.
<a href="#">Remove</a> Z5-SL-18003	ZONE 5	LAKE	LAKE CHAPIN	N/A	28	20	53.
<a href="#">Remove</a> Z5-SL-18004	ZONE 5	LAKE	LAKE EVE	N/A	28	23	29.
<a href="#">Remove</a> Z5-SL-18005	ZONE 5	LAKE		N/A	27	44	5.5
<a href="#">Remove</a> Z5-SL-18006	ZONE 5	LAKE		N/A	28	26	51.
<a href="#">Remove</a> Z5-SL-18007	ZONE 5	LAKE	LAKE AUSTIN	N/A	28	21	42.
<a href="#">Remove</a> Z5-SL-18008	ZONE 5	LAKE		N/A	28	28	3.8
<a href="#">Remove</a> Z5-SL-18009	ZONE 5	LAKE	LAKE TYLER	N/A	28	29	26.
<a href="#">Remove</a> Z5-SL-18010	ZONE 5	LAKE		N/A	28	24	39.
<a href="#">Remove</a> Z5-SL-18011	ZONE 5	LAKE		N/A	28	15	36.
<a href="#">Remove</a> Z5-SL-18012	ZONE 5	LAKE		N/A	28	28	37.
<a href="#">Remove</a> Z5-SL-18013	ZONE 5	LAKE		N/A	28	21	43.
<a href="#">Remove</a> Z5-SL-18014	ZONE 5	LAKE		N/A	28	24	57.
<a href="#">Remove</a> Z5-SL-18015	ZONE 5	LAKE	LAKE PAMELA	N/A	28	31	15.
<a href="#">Remove</a> Z5-SL-18016	ZONE 5	LAKE	LAKE CROWELL	N/A	28	25	10.
<a href="#">Remove</a> Z5-SL-18017	ZONE 5	LAKE	LAKE RHEA	N/A	28	31	10.



# TABLE VIEW

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

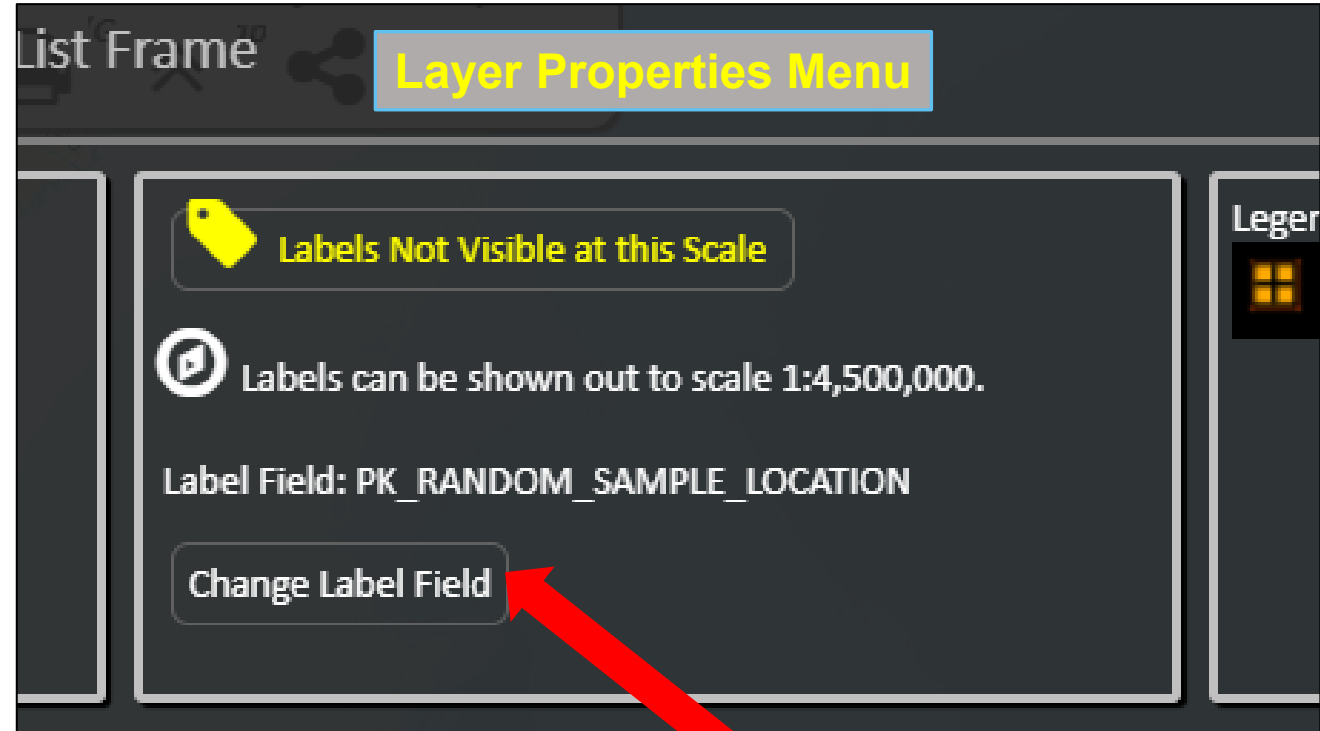
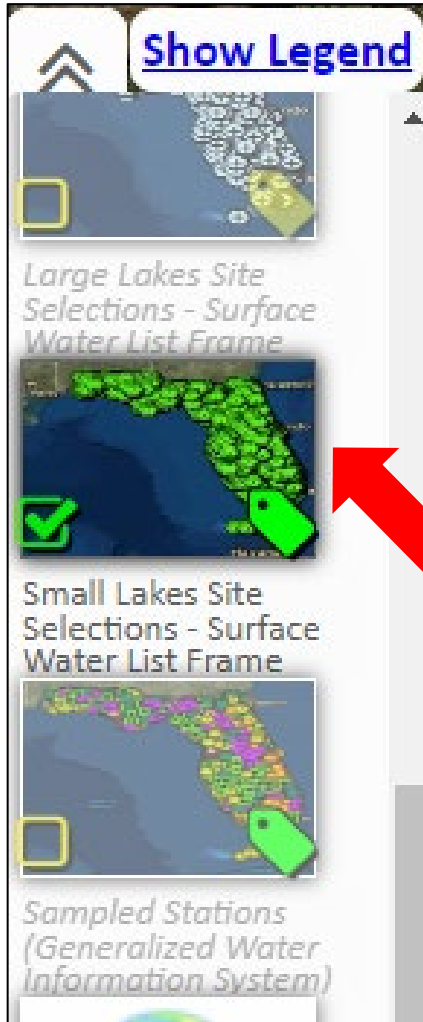
Example:  
Z5-SL-18003

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

	<a href="#">PK_RANDOM_SAMPLE_LOCATION</a> (String)	<a href="#">REPORTING_UNIT</a> (String)	<a href="#">WATERBODY_TYPE</a> (String)	<a href="#">WATERBODY_NAME</a> (String)	<a href="#">CAN_BE_SAMPLED</a> (String)	<a href="#">LAT_DD</a> (Double)	<a href="#">LAT_MM</a> (Double)	<a href="#">Th to dig dis me sou</a>
	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 DRG map 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.	
<a href="#">Remove</a>	Z5-SL-18001	ZONE 5	LAKE		N/A	27	48	39.
<a href="#">Remove</a>	Z5-SL-18002	ZONE 5	LAKE		N/A	28	29	22.
<a href="#">Remove</a>	Z5-SL-18003	ZONE 5	LAKE	LAKE CHAPIN	N/A	28	20	53.
<a href="#">Remove</a>	Z5-SL-18004	ZONE 5	LAKE	LAKE EVE	N/A	28	23	29.
<a href="#">Remove</a>	Z5-SL-18005	ZONE 5	LAKE		N/A	27	44	5.5
<a href="#">Remove</a>	Z5-SL-18006	ZONE 5	LAKE		N/A	28	26	51.
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<a href="#">Remove</a>	Z5-SL-18008	ZONE 5	LAKE		N/A	28	28	3.8
<a href="#">Remove</a>	Z5-SL-18009	ZONE 5	LAKE	LAKE TYLER	N/A	28	29	26.
<a href="#">Remove</a>	Z5-SL-18010	ZONE 5	LAKE		N/A	28	24	39.
<a href="#">Remove</a>	Z5-SL-18011	ZONE 5	LAKE		N/A	28	15	36.
<a href="#">Remove</a>	Z5-SL-18012	ZONE 5	LAKE		N/A	28	28	37.
<a href="#">Remove</a>	Z5-SL-18013	ZONE 5	LAKE		N/A	28	21	43.
<a href="#">Remove</a>	Z5-SL-18014	ZONE 5	LAKE		N/A	28	24	57.
<a href="#">Remove</a>	Z5-SL-18015	ZONE 5	LAKE	LAKE PAMELA	N/A	28	31	15.
<a href="#">Remove</a>	Z5-SL-18016	ZONE 5	LAKE	LAKE CROWELL	N/A	28	25	10.
<a href="#">Remove</a>	Z5-SL-18017	ZONE 5	LAKE	LAKE RHEA	N/A	28	31	10.



# COMMON RECON TOOLS: CHANGE SITE LABELS



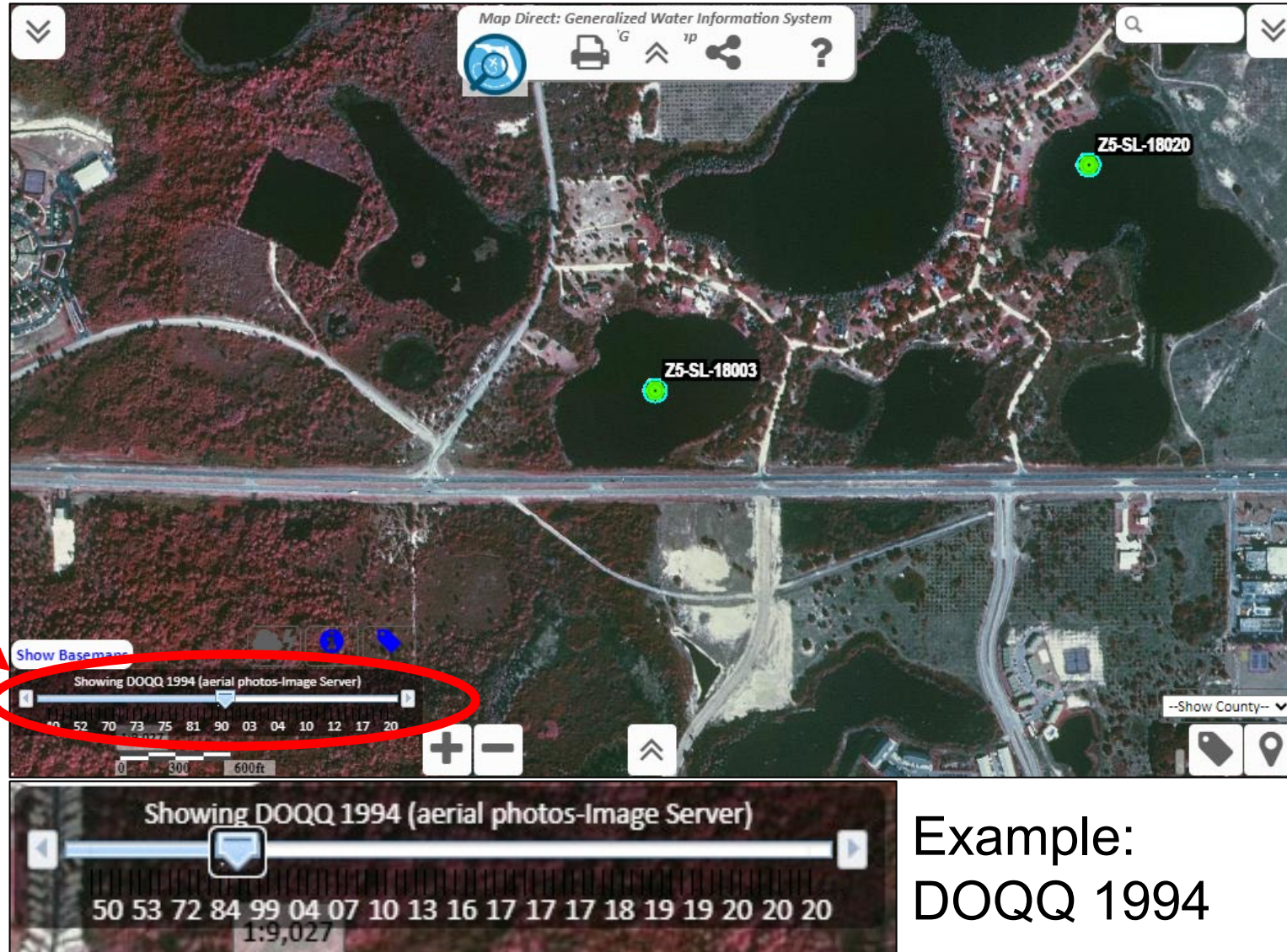
Double click the Small Lakes Site selections tile with left mouse button (Double Touch for touch screen devices.).

Select "Change Label Field."



# COMMON RECON TOOLS: EXAMINE IMAGERY FROM MULTIPLE YEARS

Click "Show Imagery Slider."



Example:  
DOQQ 1994

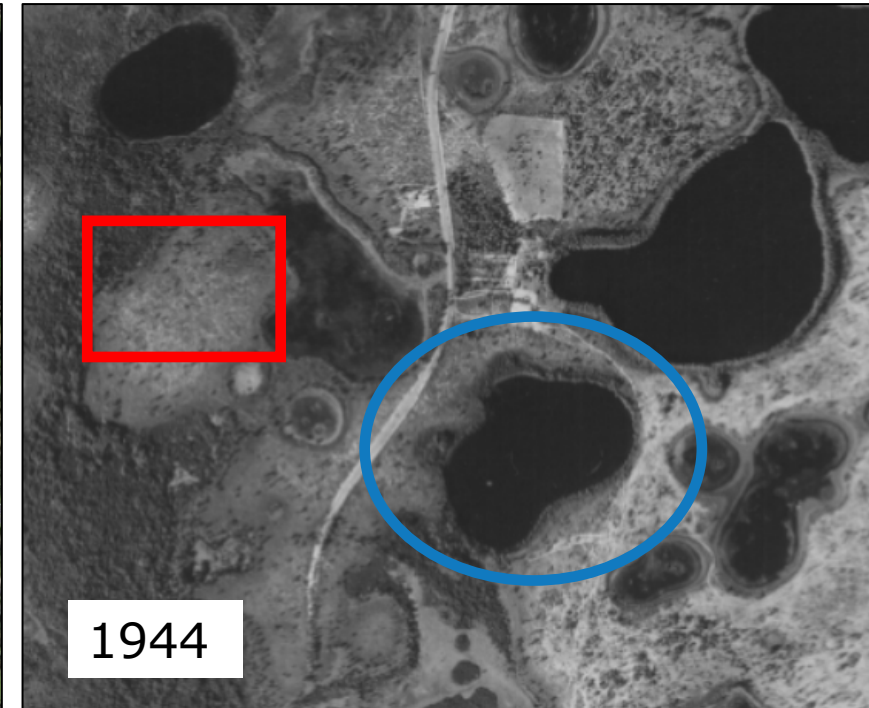
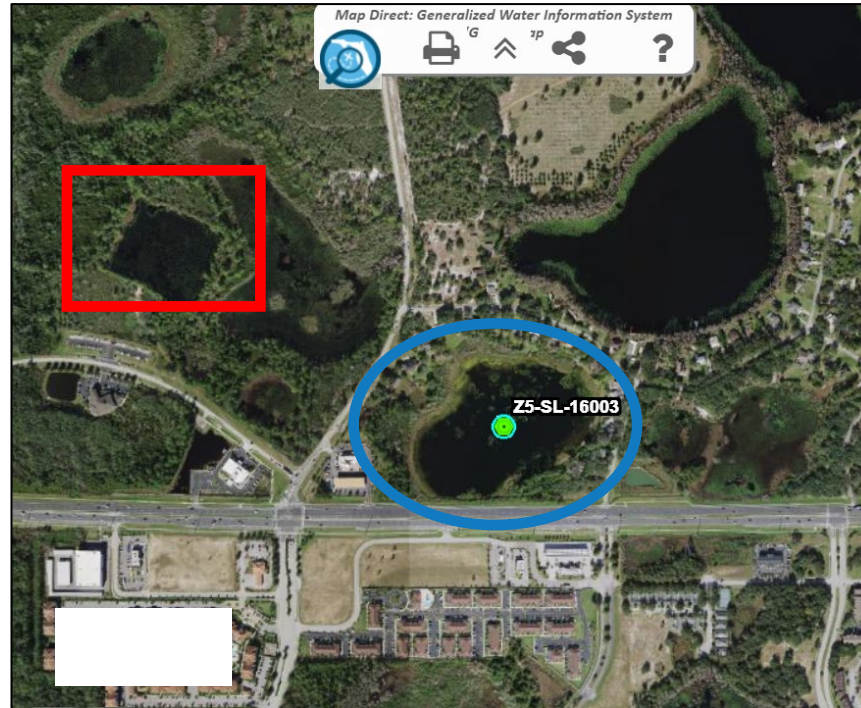


# CONFIRM PRESENCE OF WATERBODY IN HISTORIC AERIALS

## Imagery Sources

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

<https://original-ufdc.uflib.ufl.edu/aerials>



Blue circle shows that Lake Chapin (Z5-SL-18003) is present in photos from 1944.

Red rectangle shows example of a nearby manmade lake-like feature, which is not present in the photos from 1944.



# 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

Map Direct: Generalized Water Information System

Map interface showing water bodies (Mudd Lake, Rexford Lake, Osage Lake, Lake Chapin, Little Lake Osage) and boat ramps (Z5-SL-18020, Z5-SL-18003). The map includes a legend on the left, a search bar, and navigation controls. A red circle highlights the 'OpenData\_Boating' layer in the legend.

Legend items:

- Selections - Surface Water List Frame
- Small Lakes Site Selections - Surface Water List Frame
- Sampled Stations (Generalized Water Information System)
- OpenData\_Boating FWC Florida Boat Ramp Inventory** (highlighted with a red circle)
- WMS Flowing Waters Resource 2023 - WMS Flowing Waters

Map features include roads (545, 530, 192), businesses (Culver's, Fifth Third Bank, Taco Bell, RaceTrac, Advantage Vacation Homes), and a scale bar (1:9,027).



# TOOLS FOR SITE ACCESS: FWC BOAT RAMPS LAYER

Map Direct: Generalized Water Information System

Search Box 502 feet wide at  
28.32813361 x -81.66244585  
28°19'41.2810" x -81°39'44.8051"

Drop Marker Add Label What's nearby?

Zoom To this selected feature Clear Print Table Download Format

OpenData\_Boating - FWC Florida Boat Ramp Inventory

<https://www.polk-county.net/parks-and-recreation/facilities/-in-category/categories/pr-amenities/boat-launching-site>  
URL

DAVENPORT, FL 33897  
Address

POLK County  
County

No Fees  
No Docks  
DockType

Flush Toilet

--Show County--

Use Identify  
Tool to  
Display  
Details.

(No boat ramps  
on Lake  
Chapin,  
example shown  
for nearby Lake  
Davenport.)



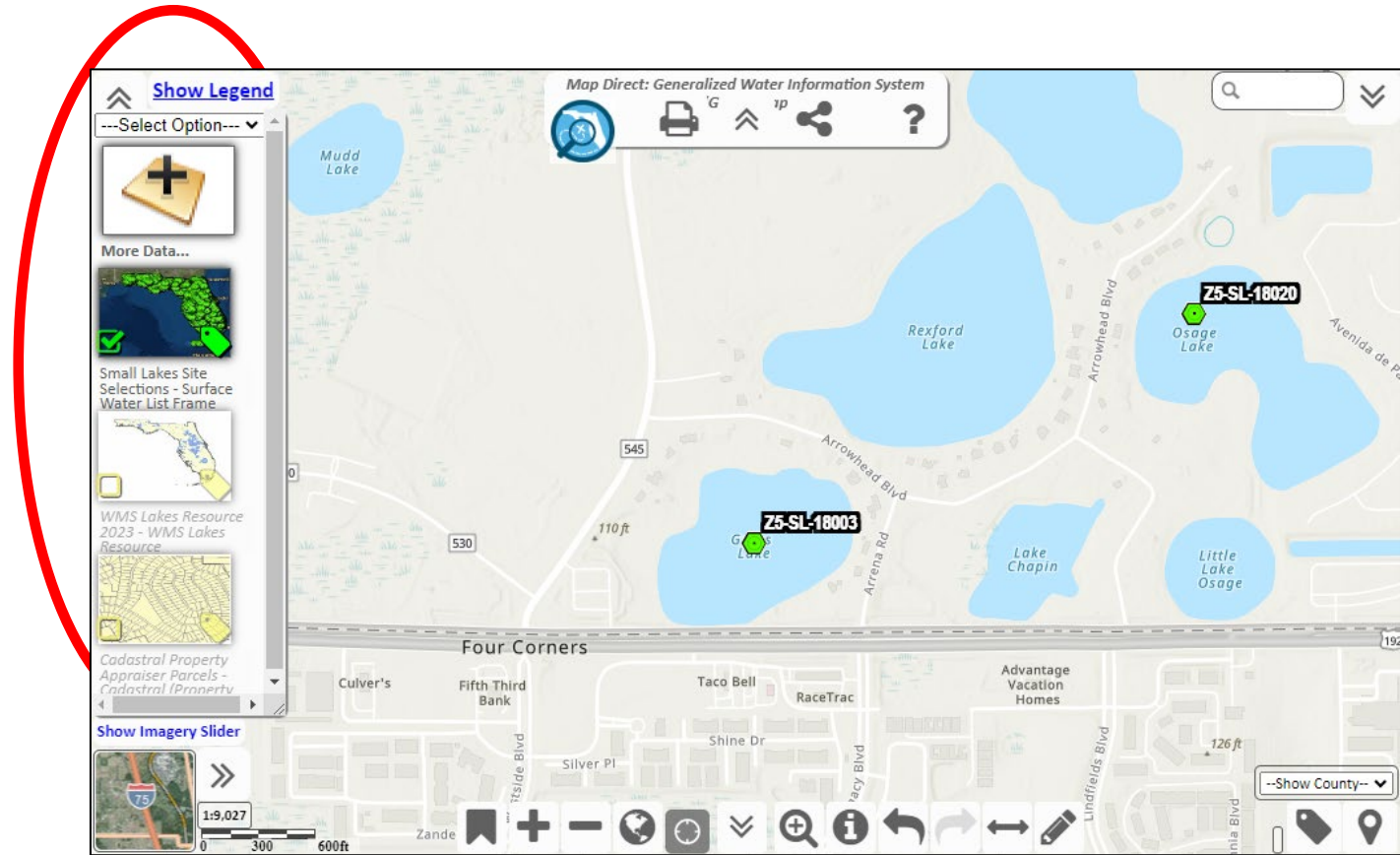
# TOOLS FOR SITE ACCESS: IDENTIFY PROPERTY OWNERS

## 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 lake chapin.

The screenshot shows a GIS application interface with the following elements:

- Map Legend (Left Panel):** Contains a list of layers. The 'WMS Lakes Resource 2023 - WMS Lakes Resource' layer is checked and highlighted in green. Other layers include 'Small Lakes Site Selections - Surface Water List Frame' and 'Cadastral Property Appraiser Parcels - Cadastral (Property)'. A red arrow points to the 'WMS Lakes Resource' layer.
- Map (Center):** Displays a map with two lakes highlighted in cyan: 'Rexford Lake' and 'Lake Chapin'. A red square on the map indicates the location of Lake Chapin. A red arrow points to this square.
- Map Direct: Generalized Water Information System (Top):** Includes navigation and utility icons like zoom, print, and share.
- Data Popup (Right Panel):** Shows details for 'Lake Chapin'. It includes a search box with coordinates (28.34748924 x -81.64527971), a 'Drop Marker' button, and a 'What's nearby?' button. Below this are buttons for 'Zoom To this selected feature', 'Clear', 'Print', 'Table', 'Download', and 'Format'. The popup also lists 'Lake Chapin GNIS NAME', 'Zone 5 REPORTING UNITS', 'Small Lake RESOURCE', '6.048498 HECTARES', and '1768-03090101030998 LAKECODE'. A red arrow points to the 'Small Lake RESOURCE' entry.
- Map Controls (Bottom):** Includes a scale bar (1:9,027), a north arrow, and a toolbar with icons for zoom, pan, and other map functions. A red arrow points to the 'Identify' tool icon (an 'i' in a circle).

**Step 1 - Turn off visibility for Small Lake Sites and Cadastral layers.**

**Step 2 - Click identify tool icon.**

**Step 3 - Click lake polygon to select it.**



# 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 shows a GIS application window titled "Map Direct: Generalized Water Information System". The map displays several lakes, including "Rexford Lake" and "Lake Chapin". A red square highlights a specific area on the map. A drawing tool menu is open, showing options like "Sketch Search Results", "Clear Graphics", and "Paste Graphic". A red arrow points from the text "Step 4" to the pencil icon in the bottom right corner of the map. Another red arrow points from the text "Step 5" to the "Sketch Search Results" option in the drawing tool menu. The interface includes a search box, a legend, and various map controls.

**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.

The screenshot displays a GIS application interface with a map of a lake area. A red polygon is drawn on the map, and a red arrow points from the text 'Step 6 - Click layer tile to make WMS Lakes Resource layer not visible on the map.' to the 'WMS Lakes Resource 2023 - WMS Lakes Resource' layer tile in the legend. Another red arrow points from the text 'Step 7 - Click layer tile to make Cadastral layer visible on the map.' to the 'Cadastral Property Appraiser Parcels - Cadastral (Property)' layer tile. The right sidebar shows a search box with coordinates, a list of layers, and a 'Layers not Searched' section. The bottom of the screen shows a scale bar and a coordinate display.

**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.**

Map Direct: Generalized Water Information System

Search Box 125 feet wide at 28.34748924 x -81.64527971 28°20'50.9613" x -81°38'43.0070"

Drop Marker Add Label What's nearby?

Zoom To this selected feature Clear Print Table Download Format

WMS Lakes Resource 2023 - WMS Lakes Resource

Lake Chapin GNIS.NAME

Zone 5 REPORTING UNITS

Small Lake RESOURCE

6.048498 HECTARES

1768-03090101030998 LAKECODE

Nearby Zoom Pan Remove

Layers not Searched:

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

Area: 14.9462 acres (0.023353 square miles) (60485.06841181 square meters)  
Perimeter: 3118.02 feet (0.590534 miles) (950.3723 meters)

Color... Outline... Remove Done

1:9,027 0 300 600ft

8°35'35.4050" x -81°38'39.74102" 8°21'12.7458" x -81°38'23.0677"



# TOOLS FOR SITE ACCESS: IDENTIFY PROPERTY OWNERS

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

The screenshot displays a GIS application interface titled "Map Direct: Generalized Water Information System". The main map shows a lake area with a search sketch (a blue polygon) and a buffer zone (a grey ring) around it. The interface includes a "Show Legend" panel on the left with a search sketch icon and a "Show Basemaps" panel at the bottom left. A toolbar at the top contains icons for home, print, zoom, share, and help. A toolbar at the bottom contains icons for home, zoom, identify, and other map navigation tools. The "Identify" icon is circled in red. On the right, a "Features within Polygon Selection shape." panel displays a list of results for "Cadastral Property Appraiser Parcels - Cadastral (Property Appraiser Parcels) - Public View".

Parcel ID	Owner Name	Parcel No	State Par ID	Address
272431030603140	MORSE WILLIAM O	272431030603140	C58-000-604-3289-5	17200 ARROWHEAD BLVD WINTER GARDEN, FLORIDA 34787
				OWN Address
				17200 ARROWHEAD BLVD WINTER GARDEN, FL 34787
				PHY Address



# TOOLS FOR SITE ACCESS:

## IDENTIFY PROPERTY OWNERS

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

Clear Results Printable View **Download as Spreadsheet** Close

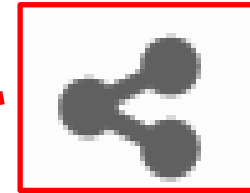
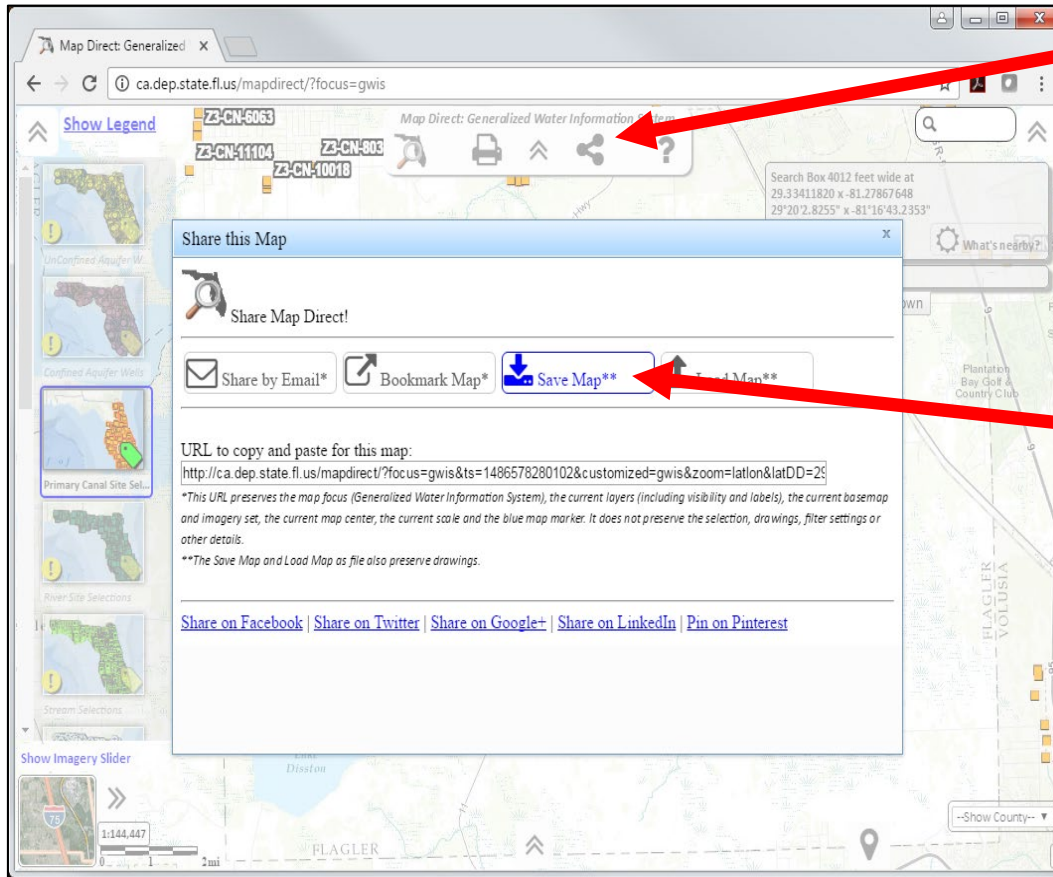
Cadastral Property Appraiser Parcels - Cadastral Property Appraiser Parcels - Public View: 16 found.

	<a href="#">OBJECTID (OID)</a>	<a href="#">PARCELNO (String)</a>	<a href="#">PARCEL ID (String)</a>	<a href="#">OWN_NAME (String)</a>	<a href="#">OWN_ADDR1 (String)</a>	<a href="#">OWN_ADDR2 (String)</a>
	Internal feature number.		<i>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</i>	<i>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.</i>	<i>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.</i>	<i>Owner's Street Address-Line 2. This field reflects data that represents additional space if needed for the primary owner 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.</i>
<a href="#">Remove</a>	6096223	272431030603140	272431030603140	MORSE WILLIAM O	17200 ARROWHEAD BLVD	
<a href="#">Remove</a>	6097608	272431030603160	272431030603160	SECONDO THOMAS JOHN	17138 ARROWHEAD BLVD	
<a href="#">Remove</a>	6096221	272431030603120	272431030603120	CERAVOLO PAUL	CERAVOLO MICHELLE	17226 ARROWHEAD BLVD
<a href="#">Remove</a>	6092451	272431779900002	272431779900002	GRIGSBY PROPERTIES LLC 83.36%	GRIGSBY FAMILY PARTNERSHIP LTD	10736 MARKERT AVE
<a href="#">Remove</a>	6096222	272431030603130	272431030603130	FULLERTON NICOLETTE	17214 ARROWHEAD BLVD	
<a href="#">Remove</a>	6096220	272431030603110	272431030603110	LEWANDOWSKI JUSTIN GABRIEL	17248 ARROWHEAD BLVD	
<a href="#">Remove</a>	6096224	272431030603150	272431030603150	ANDERSON MARY J	216 SE CAMP ST	
<a href="#">Remove</a>	6097614	272431030603230	272431030603230	CENTRAL FLORIDA INVESTMENTS IN	5601 WINDHOVER DR	
<a href="#">Remove</a>	6097611	272431030603200	272431030603200	BASS ROBERT S	JARRELL SANDRA J	14914 ARRENA RD
<a href="#">Remove</a>	6104569	272431030603090	272431030603090	NEWELL JOEL	14817 AVALON RD	
<a href="#">Remove</a>	6104568	272431030603080	272431030603080	SUMNER MICHAEL B	14829 AVALON RD	
<a href="#">Remove</a>	6097609	272431030603170	272431030603170	DARLING ALAN H	DARLING SUSAN H	17126 ARROWHEAD BLVD
<a href="#">Remove</a>	6096219	272431030603100	272431030603100	GROOVER JEREMY	14805 AVALON RD	
<a href="#">Remove</a>	6097613	272431030603220	272431030603220	LU DAN	14938 ARRENA RD	
<a href="#">Remove</a>	6097610	272431030603180	272431030603180	POLANSKAS MARK V	POLANSKAS MARY TERESA ROBEY	4377 SAMBOURNE ST





# SAVING AND LOADING MAPS: SAVE MAP TOOL



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

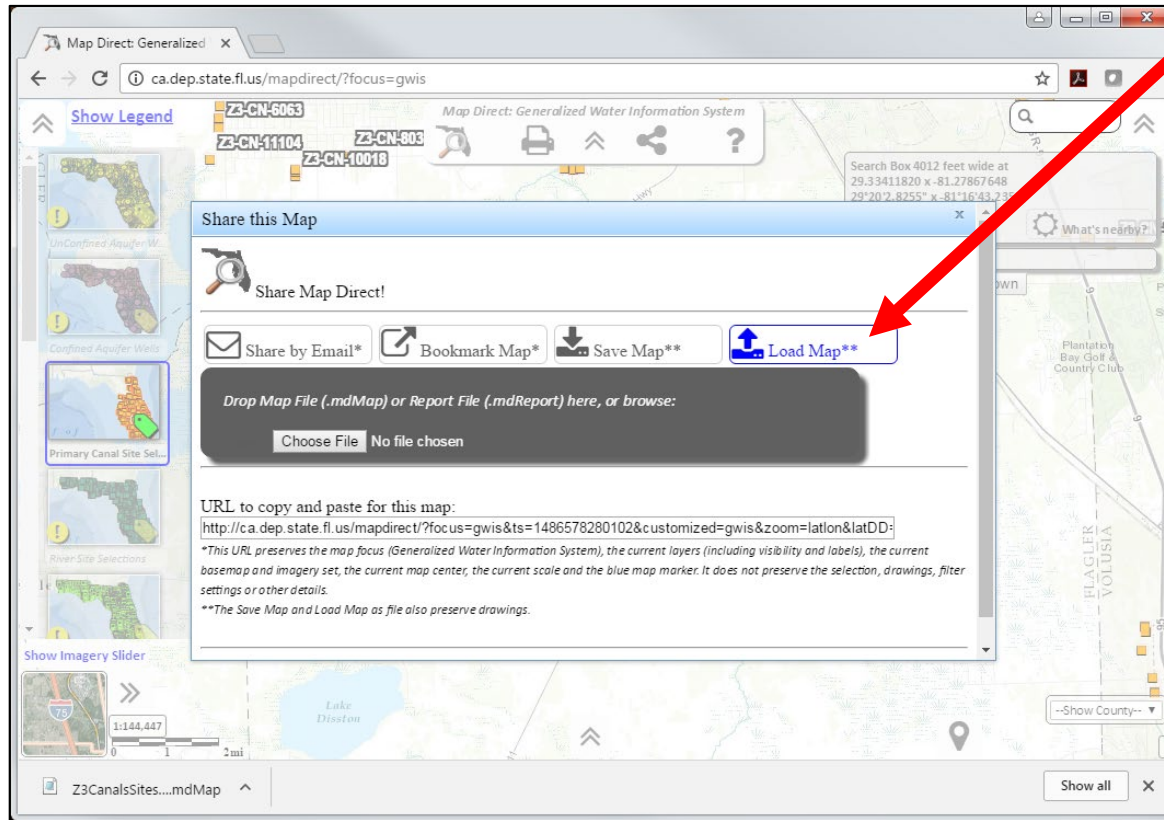


File will be saved with the “.mdMap” extension.

Default file name is unrelated to your search criteria.  
Before saving, enter a more meaningful name for the file.  
“Z5\_SL\_Cycle18\_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\_Cycle18\_Sites1to20.mdMap”



# ADDITIONAL ONLINE RESOURCES

## Map Direct Help Guides

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

## Watershed Information Center

### Map Direct Resources Section

<http://publicfiles.dep.state.fl.us/dear/watershed%20monitoring/Info%20Center/>

### [Custom Files for Status Network Recon](#)

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

### [Learn and Customize Map Direct Handout](#)

Provides more detail on tools and features of Map Direct.



# REPORT ISSUES/ASK QUESTIONS

Contact for Map Direct Accessed from GWIS  
Database Utilities:

Tommy Adams

DEP WMS Data Coordinator

[Thomas.L.Adams@FloridaDEP.gov](mailto:Thomas.L.Adams@FloridaDEP.gov)

850-245-8512



# THANK YOU

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