



# THE LAKE COUNTY WATER ATLAS

An edition of WaterAtlas.org      Presented By: Lake County, University of South Florida      Choose a Water Atlas

**Lake County wateratlas**      LAKE COUNTY FLORIDA      LCWA

Google™ Custom Search  
 Site      Search

Home    Explore ▾    Topics ▾    Data & Mapping ▾    News    Events    Library ▾    Education    Get Involved ▾    About ▾    Contact Us    Help    Admin

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### Featured Photos

Lake Apopka from Pine Island

View additional photos by water resource

### Welcome to the Water Atlas

The goal of this site is to provide a comprehensive data resource, eventually covering the State of Florida, that helps citizens and scientists alike make informed decisions concerning our vital water resources.

#### Jump to a Topic

The following list of topics have extensive and valuable information for each. To discover more about a topic, select one from the list below.

Select a Topic ▾  
[View all topics with descriptions](#)

#### Popular Tools

- [Digital Library](#)
- [Data Download](#)
- [Real-time Data and Map](#)
- [Advanced Mapping](#)

### Water Resource Search

**View by Water Resource Type:**  
 all, lakes, rivers/streams, springs, watersheds

Search:

Water Resource Name▲	Resource
8-ball Lake	Lake
Adain Lake	Lake
Adams Lake	Lake
Akron, Lake	Lake
Alexander Springs	Spring
Alexander Springs Cre...	Stream
Alfred, Lake	Lake
Alice, Lake	Lake

[Advanced Search](#)

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### What's New on the Atlas

See what the Water Atlas team has been working on lately.

- [Florida Center's Annual Retreat](#)

### Current Events

Today    Tuesday, June 23    Print ▾

**Sunday, July 26**

11:00am [Invasive Species Day at Wekiwa Springs Sta](#)

Showing events until 8/31. [Look for more](#)

### How Can You Help?

- [Report Water Pollution](#)
- [Volunteer Opportunities](#)
- [Submit a Photo](#)
- [Submit a Document](#)
- [Contribute Historical Information](#)

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### Recent News

- [FWC appoints Nick Wiley as executive director](#)
- [Invasive Species Day at Wekiwa Springs State Park July 26th](#)
- [USGS One-Stop Hurricane Web Site](#)

### Survey

- [Data Download Survey](#)
- [One Atlas Front Page Survey](#)
- [One Atlas Navigation Survey](#)
- [Lake County User Survey](#)

<http://www.lake.wateratlas.org>



# WHAT IS THE WATER ATLAS PROGRAM?

- Provides the technology to connect multiple stakeholders in water resource management using a web-based interface
- Provides citizens and professionals with comprehensive and unprecedented access to water resource information
- Allows collaboration between local communities and citizens
- Designed to help meet the needs of both local governments and citizens
- Participating governments are able to share costs of development and technology



# BENEFITS FOR GOVERNMENTS

- Opens communication with citizens
- Allows scientists access to data from many agencies
- Reduced time spent finding data and information
- Increases citizen participation and volunteerism
- The Atlas Program is continuously improved through partnerships



# BENEFITS FOR CITIZENS

- One-Stop Access – Ability to access information and data easily and intuitively in one place
- Educational – Terms are explained in easy to understand language
- Citizen participation:
  - Collection of data (WAV & LakeWatch)
  - Submission of photos
  - Reporting pollution
- Access to programs & projects – What government is doing to improve the environment

# CURRENT DATA PROVIDERS

Data Provider	Frequency
Lake County	Quarterly
Lake County Water Authority	Quarterly
Florida Department of Environmental Protection	Quarterly/Annually
LakeWatch	Semi-annually
Southwest Florida Water Management District	Daily-Quarterly
St Johns River Water Management District	Quarterly
United States Geologic Survey	Daily
Local Data Providers (Volusia, Orange, Seminole, etc)	Daily-Annually

# Atlases Available at <http://wateratlas.org>

- Hillsborough Co.
- Lake Co.
- Leon Co
- Manatee Co.
- Orange Co.
- Pinellas Co.
- Polk Co.
- Sarasota Co
- Seminole Co.
- Tampa Bay Estuary
- Volusia Co.
- Florida Atlas of Lakes

wateratlas.org
Developed by 




Wateratlas.org is the gateway to a group of websites developed by the Florida Center for Community Design + Research at the University of South Florida in partnership with local, state and federal government agencies. Our goal is to design a comprehensive data resource, eventually covering the State of Florida, that helps citizens and scientists alike make informed decisions concerning our vital water resources.

PROJECT LIST	NEW PROJECTS
<p>The following is a list of currently accessible project websites, please click on one of these links to explore the comprehensive and user-friendly Water Atlas.</p> <ul style="list-style-type: none"> <li>▪ <b>Florida Atlas of Lakes</b></li> <li>▪ <b>Hillsborough County Watershed Atlas</b> <a href="http://www.hillsborough.wateratlas.usf.edu">http://www.hillsborough.wateratlas.usf.edu</a></li> <li>▪ <b>Lake County Water Atlas</b> <a href="http://www.lake.wateratlas.usf.edu">http://www.lake.wateratlas.usf.edu</a></li> <li>▪ <b>Leon County Water Atlas</b> Coming Soon</li> <li>▪ <b>Manatee County Water Atlas</b> <a href="http://www.manatee.wateratlas.usf.edu">http://www.manatee.wateratlas.usf.edu</a></li> <li>▪ <b>Orange County Water Atlas</b> <a href="http://www.orange.wateratlas.usf.edu">http://www.orange.wateratlas.usf.edu</a></li> <li>▪ <b>Pinellas County Water Atlas</b> <a href="http://www.pinellas.wateratlas.usf.edu">http://www.pinellas.wateratlas.usf.edu</a></li> <li>▪ <b>Polk County Water Atlas</b> <a href="http://www.polk.wateratlas.usf.edu">http://www.polk.wateratlas.usf.edu</a></li> <li>▪ <b>Sarasota County Water Atlas</b> <a href="http://www.sarasota.wateratlas.usf.edu">http://www.sarasota.wateratlas.usf.edu</a></li> <li>▪ <b>Seminole County Watershed Atlas</b> <a href="http://www.seminole.wateratlas.usf.edu">http://www.seminole.wateratlas.usf.edu</a></li> <li>▪ <b>Tampa Bay Estuary Atlas</b> <a href="http://www.tampabay.wateratlas.usf.edu">http://www.tampabay.wateratlas.usf.edu</a></li> </ul>	<p><b>Florida Atlas of Lakes</b>  Brought to you by the Florida Lake Management Society and Florida LAKEWATCH</p> <p><b>Leon County Water Atlas</b> (under development)  Brought to you by the City of Tallahassee and Leon County</p> <p><b>Volusia County Water Atlas</b> (under development)  Brought to you by Volusia County and the St. John's River Water Management District</p>
CONTACT US	<p><b>Florida Center for Community Design + Research</b> School of Architecture + Community Design University of South Florida</p> <p>3650 Spectrum Blvd., Suite 185 Tampa, FL 33612</p> <p><a href="http://www.fcldr.usf.edu">www.fcldr.usf.edu</a></p>

## Different Atlases

- Each Atlas powered by same software and NHD data but each is unique
- Lake County's includes information on springs
- Florida Atlas of Lakes is state-wide but very generic
  - Some contain county-specific program information
- Ability to move up or down stream crossing county lines

# FEATURES

<b>Water Quality Data</b>	<b>Historic &amp; Current Aerial Photos</b>
<b>Boat Ramps and Parks</b>	<b>Lake Bottom Contour Maps</b>
<b>Dynamic Maps</b>	<b>Ecological &amp; Educational Documents</b>
<b>Fishing Reports</b>	<b>Photos of Waterbodies</b>
<b>TMDL, BMAP &amp; Stormwater Program Information</b>	<b>Water Levels, Flows and Rainfall</b>
<b>Ask a Question</b>	<b>Report Pollution</b>

# ACCESS TO DATA IS RESOURCE SPECIFIC

Watersheds

Streams and Rivers

Lakes

Springs



# JUNE 2009 STATISTICS

- 668 Named Waterbodies in Atlas  
(Each named waterbody has its own individual page)
- Data from 36 Agencies and Organizations
- 1,360,827 Unique Analyses / Observations

# JUNE 2009 ATLAS STATISTICS

- 1,039 Visitors between May 23 - June 22, 2009
- 75% of Visitors of these were new visitors
- 24,283 Visitors in the last 12 months
- 52% of All Visitors from Searches (Google, etc.)
- 62% of NEW Visitors Come From Searches (Google, etc.)
- 27% of Visitors Are Referred by Other Sites
- 21% of Visitors Go Directly to the Atlas



## New in 2009

- Revised Interface and Navigation
- Stormwater Infrastructure Mapping
- Searchable Library for Documents
- News and Events Page
- Seamless Movement between Atlases
- Near Real-time Data Display for Weather
- Impaired Waters Mapping Interface
- Springs Have Been Added



# HOW OTHER AGENCIES CAN HELP

## Provide Lake County With Information

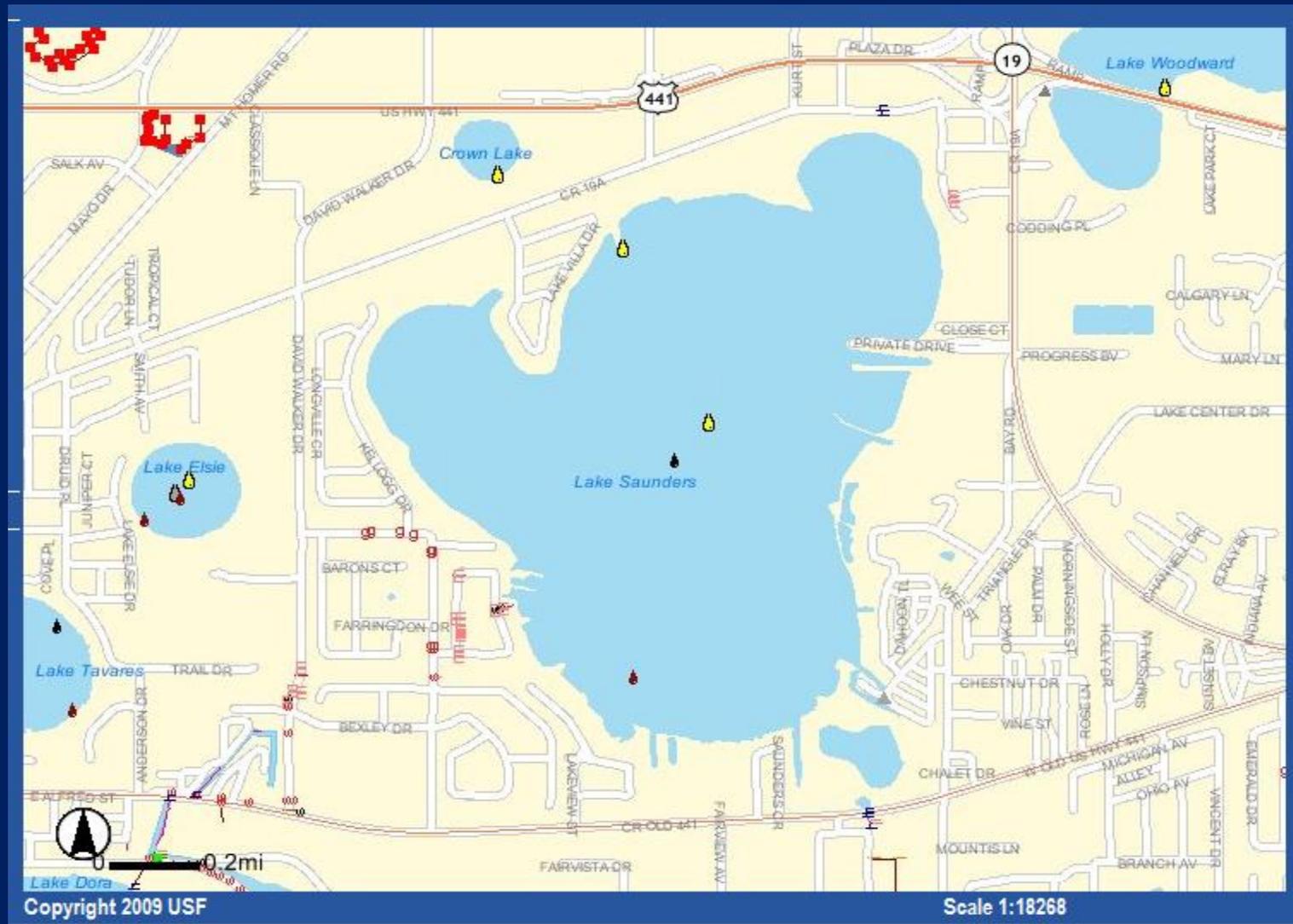
- Parks, Public Access & Boat Ramps
- Stormwater Infrastructure
- Capitol Improvement Projects
- Current or Historical Photographs
- Historical Narratives and History of Lakes
- Water Quality Information
- Bottom Contour Maps



# POPULAR TOOLS IN ATLAS

- Digital Library
  - Search for Water Atlas Documents
- Data Download
  - Ability to query and download data to local computer or graph results online
- Real-time Data and Mapping
  - See local water quality & weather stations presented with a map interface
- Advanced Mapping
  - GIS interface to prepare maps using multiple layers including aeriels (Google Map like interface planned)

# Lake Saunders Showing Stormwater and Sampling Sites



For best use of mapping, pop-up blocking should be disabled.

### Map Navigation Tools

**zoom in** **FULL EXTENT**

**zoom out** 1:200K

**SELECT A WATERSHED** 1:100K

**SELECT A WATERBODY** 1:50K

**PAN MAP / RE-CENTER** 1:24K

1:12K

**max. zoom**

Enter a Scale  
1: 3491 **GO**

**PREVIOUS EXTENT**

### Advanced Map Tools

**GET INFO / IDENTIFY**

**DOWNLOAD GIS DATA**

**VIEW PRINTABLE MAP**



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Scale 1:3491

**MAP HELP** **MAP THEMES**

Search For:

an address  a water resource

Enter Water Resource Name **GO**

### Display

**MAP LAYERS** **LOCATOR MAP**

- WATER**
- ENVIRONMENTAL**
- PLANNING & INFRASTRUCTURE**
- STORMWATER INFRASTRUCTURE**
- BATHYMETRY & HYDROLOGY**
- SAMPLING LOCATIONS**
- AERIAL PHOTOGRAPHY**

Click on layer name to view metadata.

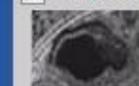
2008 Aerial Imagery



1987 Aerial Imagery



1979 Aerial Imagery



1972 Aerial Imagery



**REFRESH MAP** **RESET MAP LAYERS**

Popup Blocking MUST Be Disabled in Browser for Mapping to Work



# Demo

## Questions?

Contact

Walter Wood

(352) 343-3776

[wwood@lakecountyfl.gov](mailto:wwood@lakecountyfl.gov)

<http://www.lake.wateratlas.org>