THE LAKE COUNTY WATER ATLAS

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

<table>
<thead>
<tr>
<th>Data Provider</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lake County</td>
<td>Quarterly</td>
</tr>
<tr>
<td>Lake County Water Authority</td>
<td>Quarterly</td>
</tr>
<tr>
<td>Florida Department of Environmental Protection</td>
<td>Quarterly/Annually</td>
</tr>
<tr>
<td>LakeWatch</td>
<td>Semi-annually</td>
</tr>
<tr>
<td>Southwest Florida Water Management District</td>
<td>Daily-Quarterly</td>
</tr>
<tr>
<td>St Johns River Water Management District</td>
<td>Quarterly</td>
</tr>
<tr>
<td>United States Geologic Survey</td>
<td>Daily</td>
</tr>
<tr>
<td>Local Data Providers (Volusia, Orange, Seminole, etc)</td>
<td>Daily-Annually</td>
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</tbody>
</table>
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
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 steam crossing county lines
# FEATURES

<table>
<thead>
<tr>
<th>Water Quality Data</th>
<th>Historic &amp; Current Aerial Photos</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boat Ramps and Parks</td>
<td>Lake Bottom Contour Maps</td>
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<tr>
<td>Dynamic Maps</td>
<td>Ecological &amp; Educational Documents</td>
</tr>
<tr>
<td>Fishing Reports</td>
<td>Photos of Waterbodies</td>
</tr>
<tr>
<td>TMDL, BMAP &amp; Stormwater Program Information</td>
<td>Water Levels, Flows and Rainfall</td>
</tr>
<tr>
<td>Ask a Question</td>
<td>Report Pollution</td>
</tr>
</tbody>
</table>
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 aerials (Google Map like interface planned)
Lake Saunders Showing Stormwater and Sampling Sites
Popup Blocking MUST Be Disabled in Browser for Mapping to Work
Demo

Questions?

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