



Water Atlas and Water Atlas Data Management

Florida Center for
Community Design + Research

CD+R

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WELCOME TO THE FLORIDA CENTER

The Florida Center is an interdisciplinary research center within the School of Architecture and Community Design, part of the College of The Arts at the University of South Florida. It was founded in 1986 as a statewide research center to address urban and regional problems related to both natural and built environments and to provide design expertise, technical assistance, and applied research to assist Florida's growing communities.

RECENT ANNOUNCEMENTS

[Sarasota Bay Watershed Symposium](#) 02/15/12



The Water Atlas

Helping communities make informed
decisions by providing up-to-date
water resource information

water resource information
decisions by providing up-to-date
Helping communities make informed

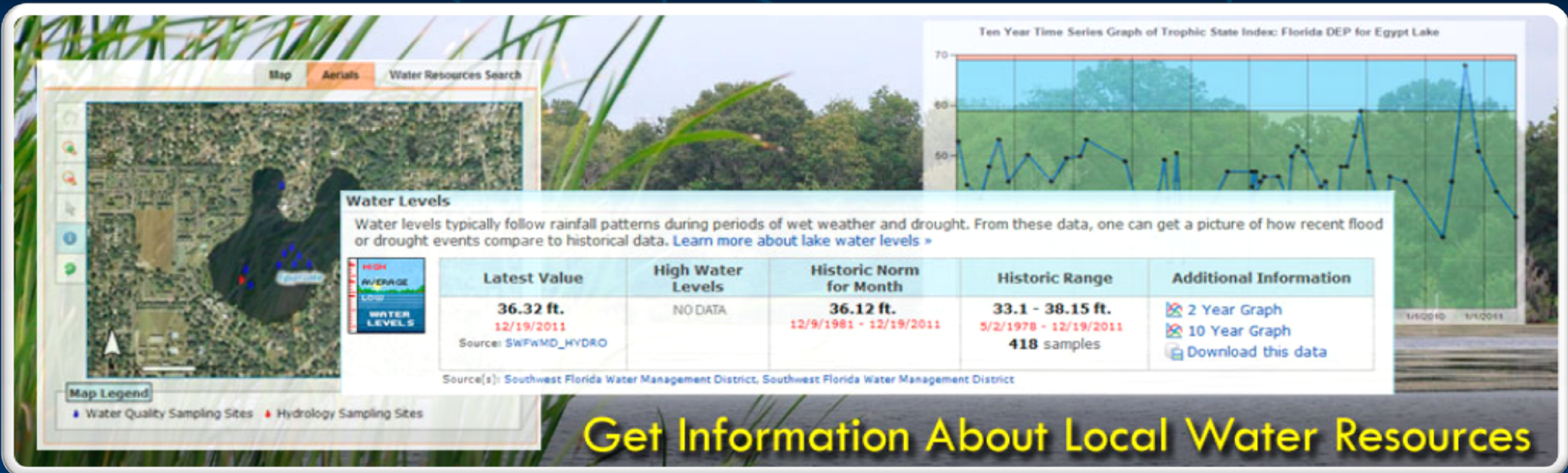
Atlas Sponsored Areas

The Water Atlas Program covers over 11,000 square miles in the state of Florida, housing information for over 7,700 ponds, lakes, rivers and coastal waters.



Ten Sponsored Atlas Projects



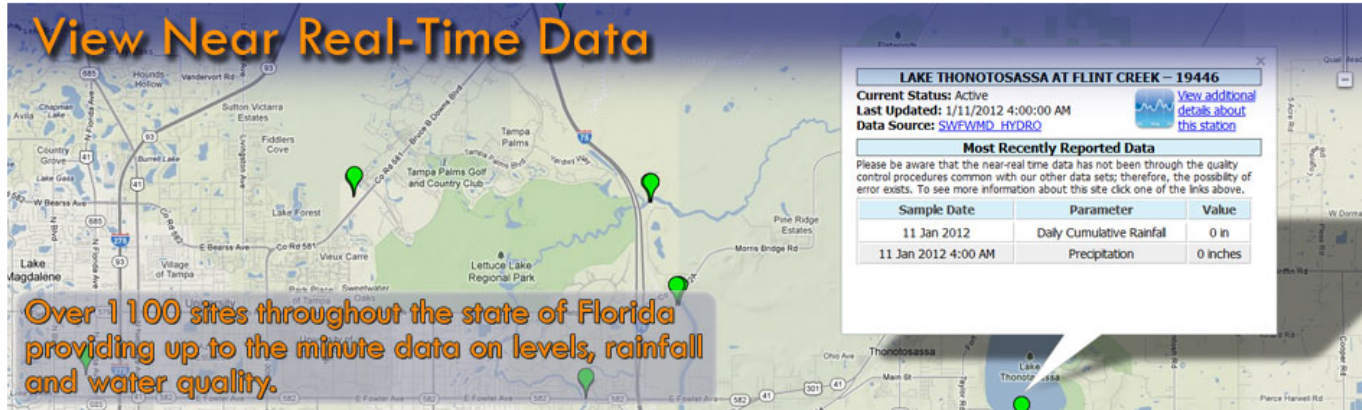


Get Information About Local Water Resources

Get Information About Local Water Resources



View Near Real-Time Data



Over 1 100 sites throughout the state of Florida providing up to the minute data on levels, rainfall and water quality.



Welcome to the Water Atlas

The Water Atlas Program was designed to help meet the needs of local governments by providing the means through technology to connect multiple stakeholders in water resource management. The Atlas serves as a one-stop data warehouse, which provides unprecedented access to a wealth of water resource information. This information is presented in a variety of ways, including interactive graphs, tables, maps and graphics, so as to be understandable to both water research professionals and those people simply interested in learning more about the water resources within their area.

[Learn more about the Water Atlas »](#)

Sponsored Atlases

The following is a list of currently sponsored Atlas projects, please click on one of these links to explore an individual Atlas:

[Charlotte Harbor NEP](#)

[Florida Atlas of Lakes](#)

[Hillsborough County & City of Tampa](#)

[Lake County](#)

[Manatee County](#)

[Orange County](#)

[Pinellas County](#)

[Polk County](#)

[Sarasota County](#)

[Seminole County](#)

[Tampa Bay Estuary Atlas](#)

Become a Partner

If you are interested in knowing more about the Water Atlas Program, please contact Shawn Landry at The Florida Center for Community Design and Research. Give us a call at 813-974-4042 or [click here to email us](#).

Download a promotional brochure to learn more:

[Water Atlas Brochure](#)

Stats (hover for details)

# of Data Sources:	326
# of Sample Locations:	36,844
# of Water Resources:	7,707
# of Real-Time Records:	240,000,496 (as of 1:06 PM)



Create and Print Maps



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# of Real-Time Records:	240,001,123 (as of 1:12 PM)



Learn About Local Events and Issues



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Research Water Related Topics

The Water Atlas Digital Library contains more than 6,000 documents and online resources

Water Quality Reports
Management Plans
Lake Assessments
Oral Histories
Web Links
Photos



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[Seminole County](#)

[Tampa Bay Estuary Atlas](#)

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Participate in Volunteer Monitoring Programs



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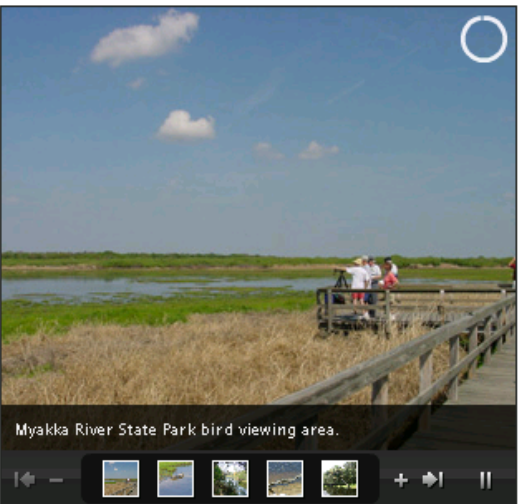
The Water Atlas New Components



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Site Search
[Contact Us](#) [Help](#)

Home | Explore ▾ | Topics ▾ | Data & Mapping ▾ | News | Events | Library ▾ | Education | Glossary | Get Involved ▾ | About ▾ | Admin

Featured Photos



Myakka River State Park bird viewing area.

[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.

Bay Condition Reports



How healthy are our coastal waterways? Collected water quality data give us various measures of ecological health, but taken together, what do they tell us about the overall quality of our coastal systems? How do these measures compare from year to year? From bay to bay? Where has progress been made? Where is more effort needed? These are the questions that Bay Condition Reports attempt to answer. [Click here to see the reports »](#)

Spatial Library



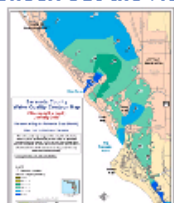
The Digital Library has received a facelift—now you can see library resources as points on a map! [Click here to check out the spatial library »](#)

Coastal Sarasota Watersheds Wiki



The Sarasota County Water Atlas has a new Wiki page to gather and discuss coastal watershed issues. Explore the wiki either by finding a topic or a geographic region of interest. [Click here to visit the wiki »](#)

Check out the New Water Quality Contour Mapping Tool



Contour maps depicting water quality for coastal waters within Sarasota County are now generated monthly and can be downloaded or viewed in comparison to one another. Maps are available for ten different water quality indicators and will eventually date back to 1998. Users will be able to generate unique maps for indicators and dates they specify. [Click here to see more »](#)

Water Resource Search

View by Water Resource Type:
[All](#), [Lakes](#), [Rivers/Streams](#), [Ponds](#), [Gulf/Ocean](#), [Bays](#), [Watersheds](#)

Search:

Water Resource Name	Resource
17th Street Park Central Pond	Pond
17th Street Park North Pond	Pond
17th Street Pond CDP3-20	Pond
19th Street Pond	Pond
23rd Street Pond	Pond
Ab Smith Park South Pond	Pond
Ackerman Lake	Pond
Ainger Canal 38-466A	Stream
Ainger Creek	Stream

[Advanced Search](#)

How Can You Help?

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

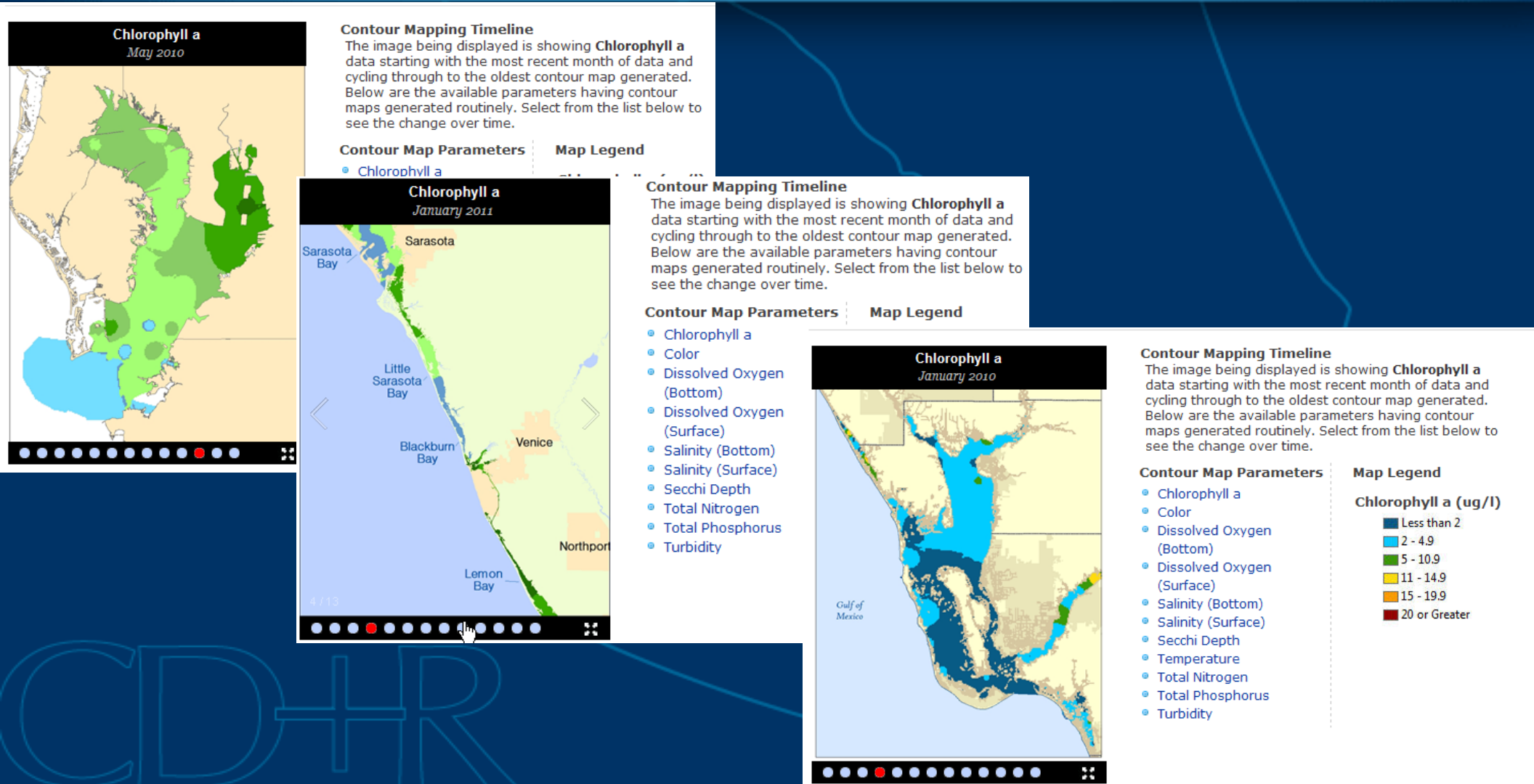
Survey

What's New on the Atlas

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

- We're always working on improvements to the Water Atlas. When we release new features you'll find them here.

Visualizing Coastal Water Quality



New College-Water Atlas Project

Digital Library

Search through our library of water resource related documents by using the form below.

Keyword Search: ☒ Show Map

☒ Sarasota County Water Atlas Only?

Add to the Library

Submit new entries into the Digital Library using the forms below.

Results

Displaying 1 - 5 of 5

Sort By:

You are currently viewing results for the selected marker. [Click here to resume searching.](#)

Early Parcel Protected in May 2005 2005 Sarasota County Environmental Services 1.6 MB The 21-acre Early Parcel was preserved as part of Sarasota County's Environmentally Sensitive Lands Protection Program in May 2005. Located in Englewood this parcel protects habitat, listed species, and water quality in Lemon Bay.	View on Map	Content Type
Lemon Bay 208 Program Water Quality Study Appendices 1977 New College of Florida Environmental Studies Program 8.5 MB Lemon Bay water quality study conducted in response to public concerns about declining shellfish populations, increasing algae, and declining water quality.	View on Map	Content Type
Lemon Bay 208 Program Water Quality Study, Part I 1977 New College of Florida Environmental Studies Program 13.8 MB Lemon Bay 208 Program Water Quality Study done in response to public concerns about declining shellfish populations, increasing algae, and declining water quality.	View on Map	Content Type
Lemon Bay 208 Water Quality Study, Executive Summary 1977 New College of Florida Environmental Studies Program 975 KB Report on the status of Lemon Bay in response to public concerns about algal growth, declining shellfish populations, and declining water quality.	View on Map	Content Type
Numeric Water Quality Targets for Charlotte Harbor and Lemon and Estero Bays, Florida 2006 Charlotte Harbor National Estuary Program 2.4 MB A proposal to use an optical model to establish clarity targets for color, turbidity, and chlorophyll a specific to estuarine segments in Charlotte Harbor, Lemon Bay and Estero Bay. Next step is to establish a working group to establish pollutant reduction goals.	View on Map	Content Type

Map

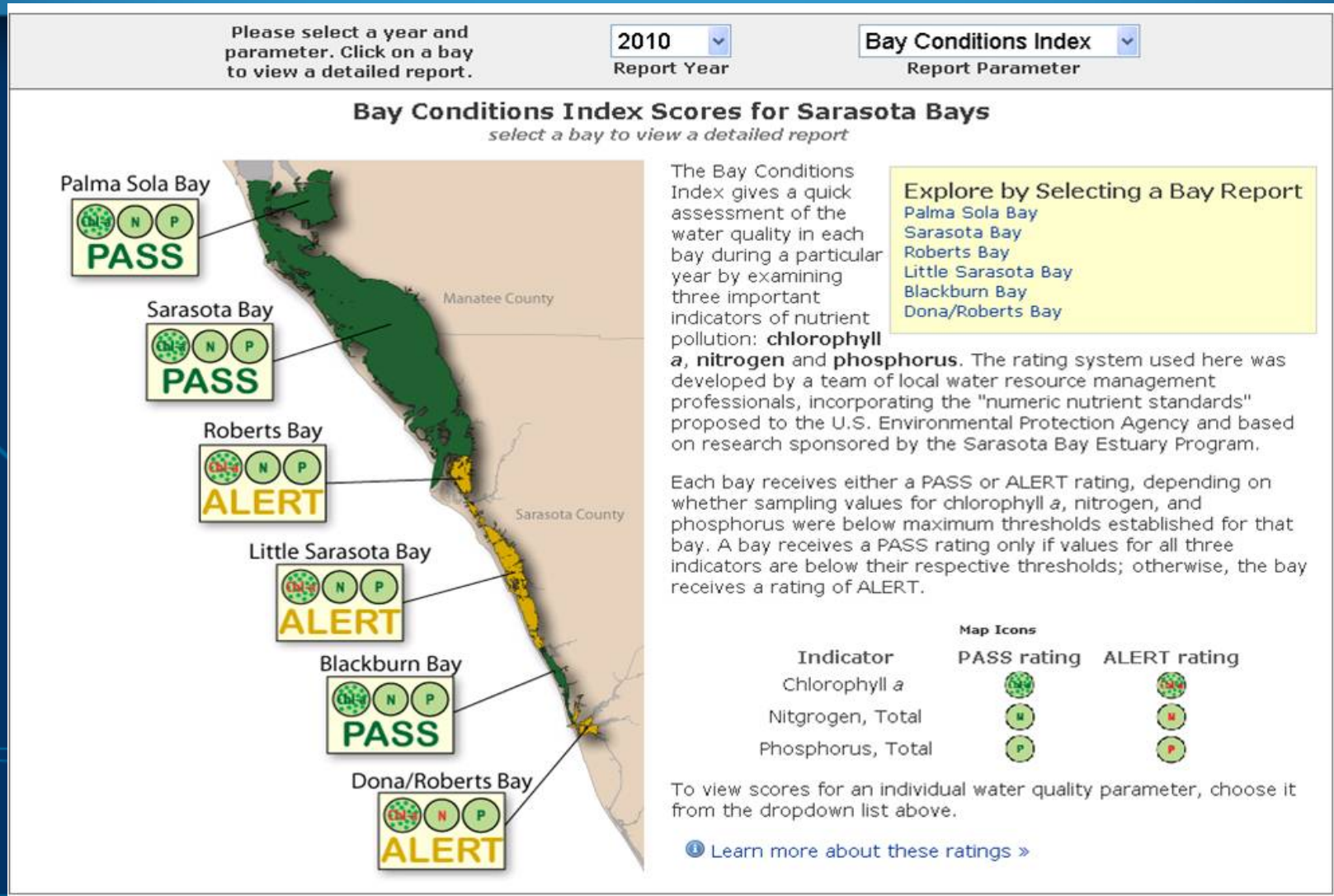
There are 5 records at this location. Please see results for more details. [Zoom to](#)

Google

Map data ©2012 Google - [Terms of Use](#)

Documents, Websites, Videos
 People, Organizations
 Case Studies, Oral Histories
 Mixed

New Coastal Bays Condition Report



Bay Condition Report

Sarasota Bay Condition Report for 2010

[Go back to Overview Page](#)

PASS



3 out of 3 indicators were rated as PASS.
[Learn more about how this report is created](#)

Summary:

The following summary text should be ignored. The text is intended for formatting purposes only and all content is essentially meaningless.

The overall health of this region remained the same as last year. Benthic community declined the most of all indicators, followed by water clarity.

Water quality: Both dissolved oxygen and chlorophyll *a* indicators remained in good and very poor condition, respectively. Both indicators' scores increased slightly in 2010, but water clarity scores decreased, scoring 19% (compared to 22% in 2009).

Biotic Indicators: Aquatic grasses and phytoplankton community scores remained relatively unchanged from 2009. The benthic community condition score was 71%, a sharp drop from the 2009 score of 85%. However, this indicator tends to be highly variable, and the 2010 score is the second highest since 2002.



Sarasota Bay

Report Navigation

- [Water Chemistry Ratings](#)
- [Other Measures of Bay Health](#)
- [Bay Contour Maps](#)
- [Seagrasses](#)
- [Land Use / Land Cover](#)

View Other Bay Reports for

- [Palma Sola Bay](#)
- [Roberts Bay](#)
- [Little Sarasota Bay](#)
- [Blackburn Bay](#)
- [Dona/Roberts Bay](#)

I

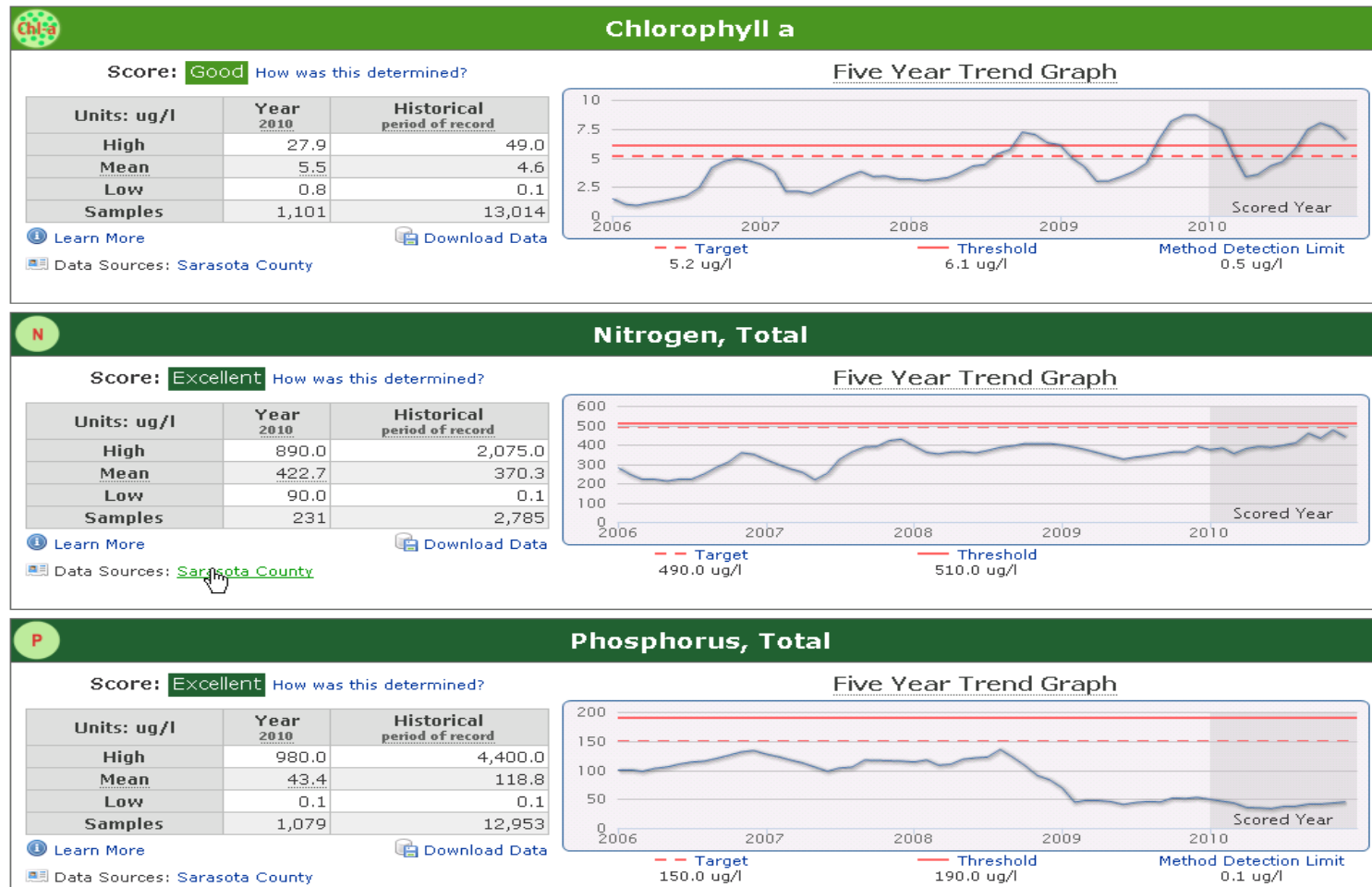
Water Chemistry Ratings

Total nitrogen, total phosphorus, and chlorophyll *a* levels are monitored carefully by water resource managers and used by regulatory authorities to determine whether a bay meets the water quality standards mandated by the Clean Water Act. The trend graphs for these indicators are shown below, along with their target and threshold values. A target value is a desirable goal to be attained, while a threshold is an undesirable level which is to be avoided. [Learn More about these ratings and how they are calculated »](#)

Bay Condition Report

Water Chemistry Ratings

Total nitrogen, total phosphorus, and chlorophyll *a* levels are monitored carefully by water resource managers and used by regulatory authorities to determine whether a bay meets the water quality standards mandated by the Clean Water Act. The trend graphs for these indicators are shown below, along with their target and threshold values. A target value is a desirable goal to be attained, while a threshold is an undesirable level which is to be avoided. [Learn More about these ratings and how they are calculated >](#)



Bay Condition Report

Other Measures of Bay Health

In addition to nutrient levels and chlorophyll concentration, dissolved oxygen levels, and water clarity are also objective indicators of bay health. These have complex interactive cycles which are affected by rainfall, temperature, and tidal action, as well as other factors. High nutrient levels (nitrogen and phosphorus) can stimulate excessive growth of marine algae (indicated by chlorophyll a level), resulting in reduced water clarity (and increased light attenuation) and depleted oxygen levels. Both plants and animals in a bay need oxygen to survive, and the seagrasses which provide food and cover for bay creatures need light for photosynthesis.

Dissolved Oxygen

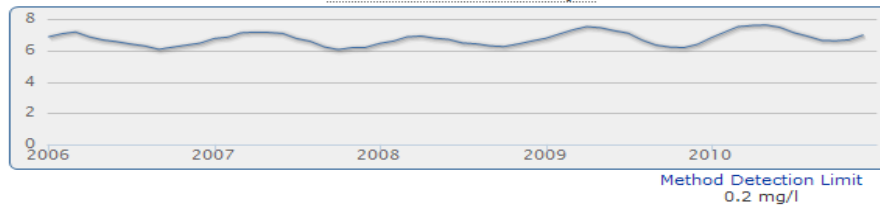
Units: mg/l	Year 2010	Historical period of record
High	9.9	12.7
Mean	7.2	6.8
Low	4.9	3.3
Samples	240	3,423

[Learn More](#)

[Download Data](#)

Data Sources: Sarasota County

Five Year Trend Graph



Light Attenuation

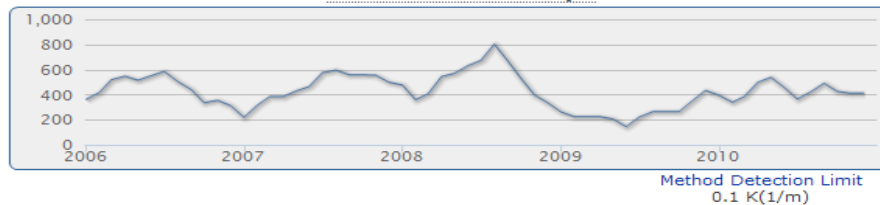
Units: K(1/m)	Year 2010	Historical period of record
High	1,477.0	4,350.0
Mean	539.4	497.2
Low	0.3	0.1
Samples	468	7,055

[Learn More](#)

[Download Data](#)

Data Sources: Sarasota County

Five Year Trend Graph



Rainfall

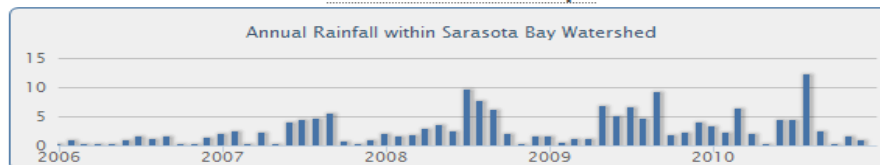
Units: inches	Year 2010	Historical period of record
High	40.9	45.3
Mean		30.0
Low		8.1
Samples	365	2,700

[Learn More](#)

[Download Data](#)

Data Sources: Sarasota County

Five Year Trend Graph



Bay Conditions Report

Salinity

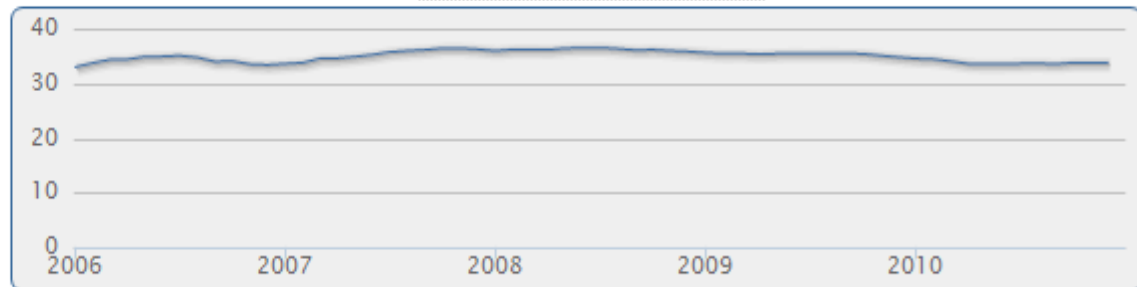
Units: PSS	Year 2010	Historical period of record
High	35.2	42.3
Mean	33.7	34.1
Low	27.7	18.6
Samples	238	3,425

[Learn More](#)

[Download Data](#)

Data Sources: Sarasota County

Five Year Trend Graph



Method Detection Limit
0.1 PSS

Turbidity

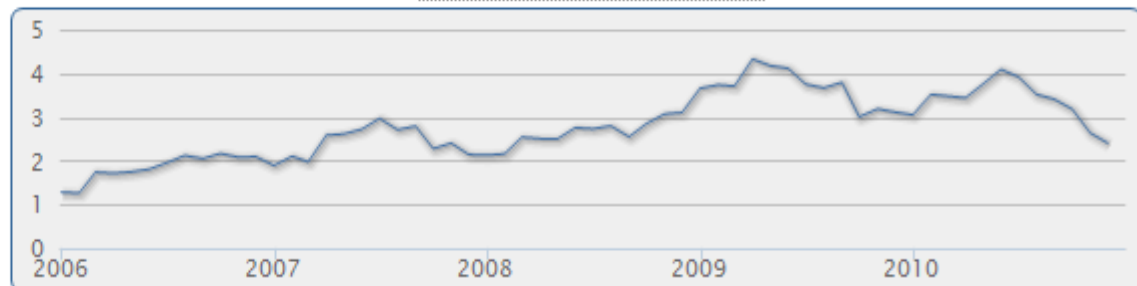
Units: NTU	Year 2010	Historical period of record
High	13.0	33.0
Mean	3.3	3.3
Low	1.0	0.1
Samples	1,098	13,003

[Learn More](#)

[Download Data](#)

Data Sources: Sarasota County

Five Year Trend Graph

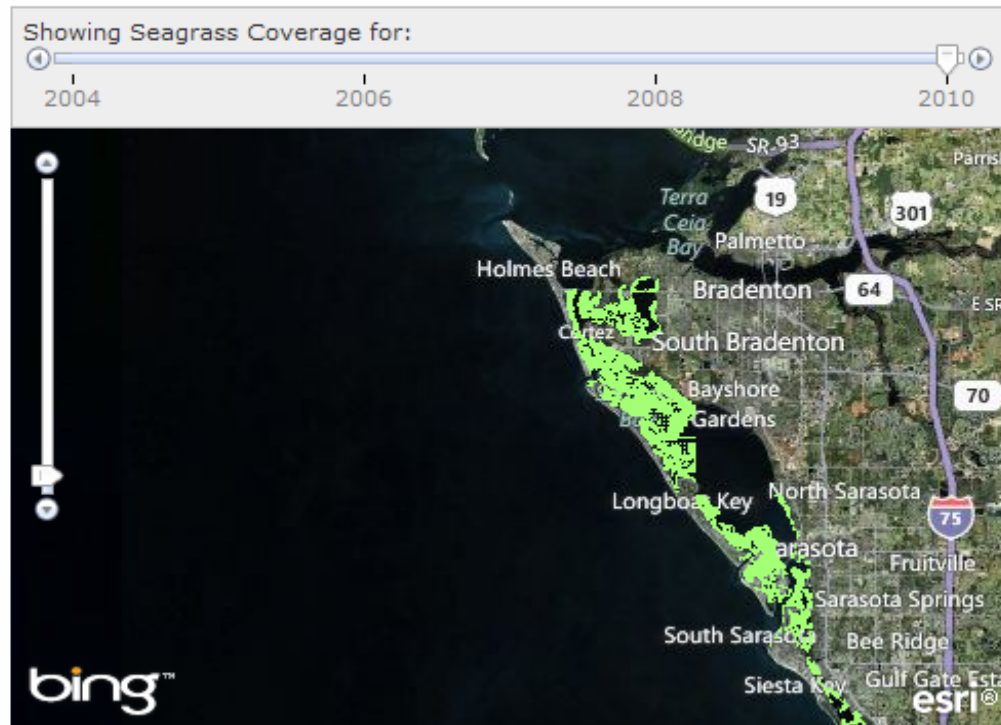


Method Detection Limit
0.2 NTU

Bay Condition Report

Seagrasses

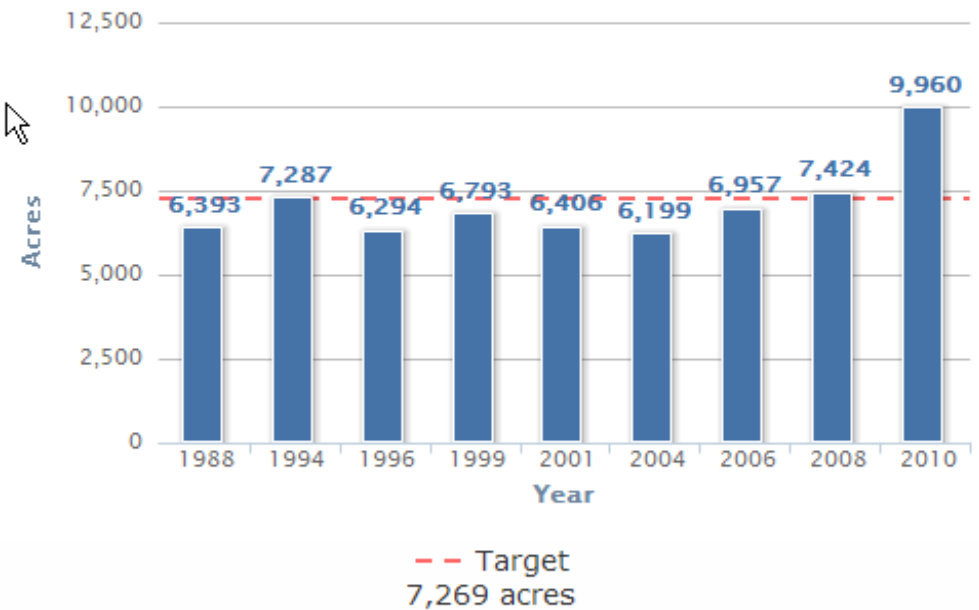
Among the most important habitats in Florida's estuarine environments, seagrass beds are indispensable for the role they play in cycling nutrients, supplying food for wildlife, stabilizing sediments, and providing habitat for juvenile and adult finfish and shellfish. Use the interactive map below to observe the size, density and location of seagrass beds from year to year. The graph shows how the total amount of seagrass in the bay has changed over time. [Learn More about Seagrasses »](#)



Legend:

- Patchy Seagrass
- Continuous Seagrass

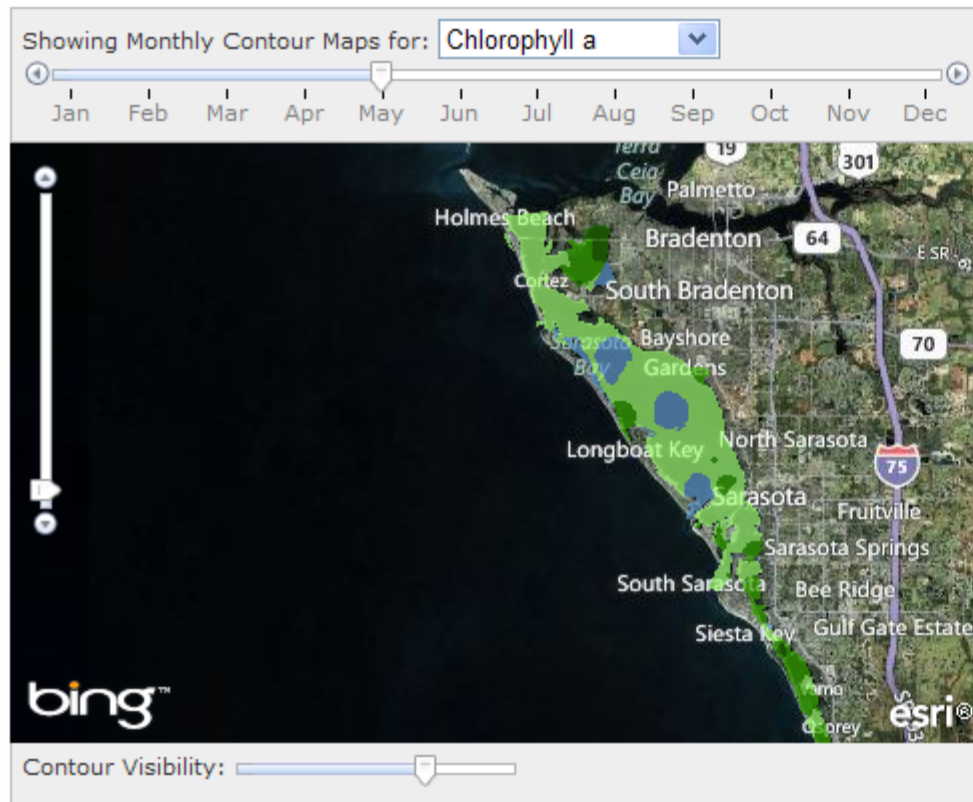
Seagrass Acreage Variation within Sarasota Bay



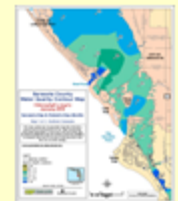
Bay Condition Report

Bay Contour Maps

Contour mapping is one of the best ways to visualize spatial differences in coastal water quality. The interactive map shown below presents monthly data for one selected water quality indicator atop an aerial view of the bay. Choose a different water quality parameter from the list at the top to change the map. [Learn More about Water Quality Contour Mapping »](#)



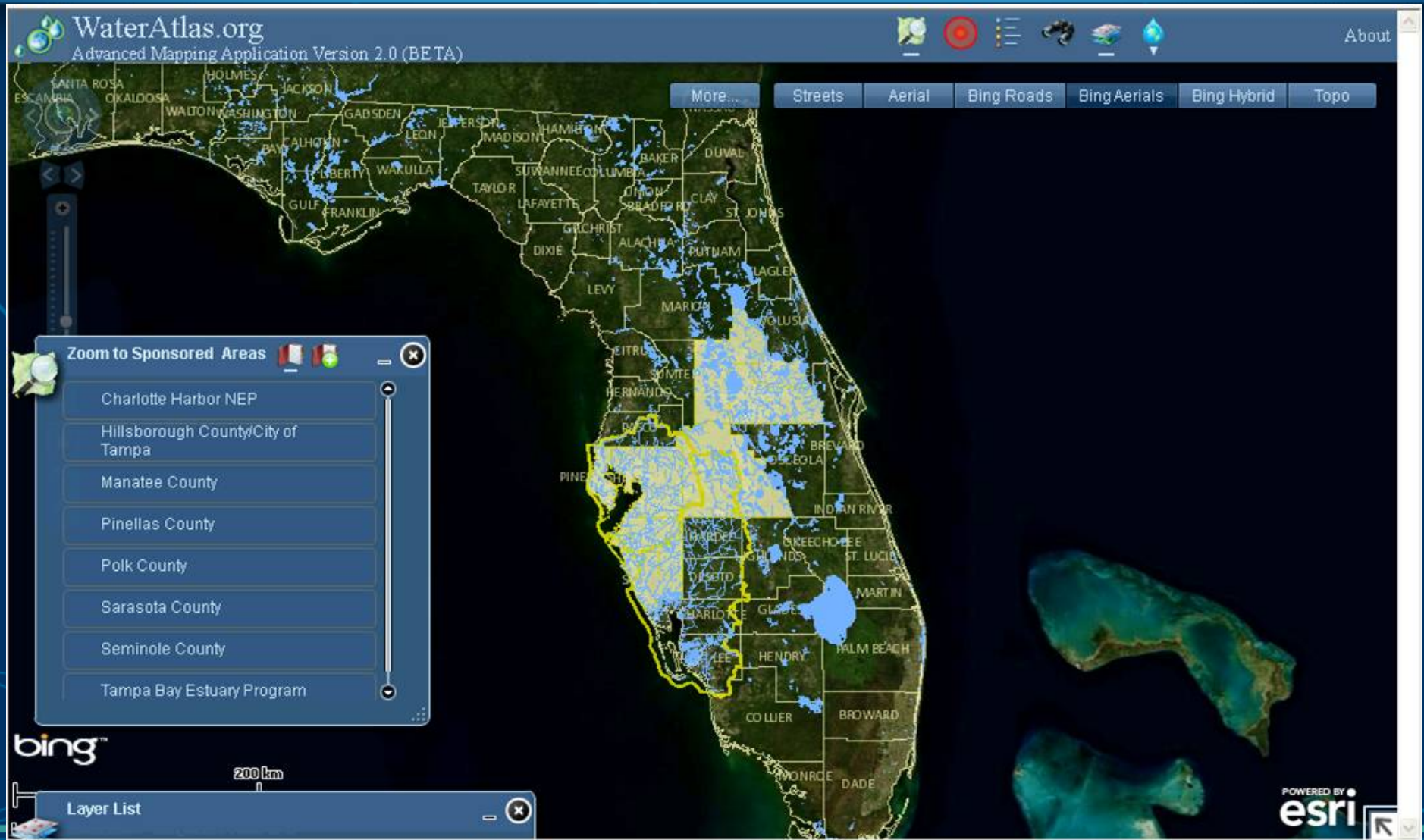
Visit the [Water Quality Contour Mapping Tool](#) to view and compare monthly water quality contour maps for ten different water quality indicators. In addition, you can generate your own custom maps.



Contour Legend:

- Less than 1 mg/l
- 1.0 - 5.9 mg/l
- 6.0 - 10.9 mg/l
- 11.0 - 17.9 mg/l
- Greater than 18 mg/l

New Spatial Data Query Tools



New Water Atlas Mapping



WaterAtlas.org

Advanced Mapping Application Version 2.0 (BETA)



About



Enhanc...

Search Layer: Atlas Waterbodies
Search Layer Field: Waterbody Name
Search by waterbody name [Example: Alice

Search

Clear

Zoom to Sponsored Ar...

Charlotte Harbor NEP

Hillsborough County/City of Tampa

Manatee County

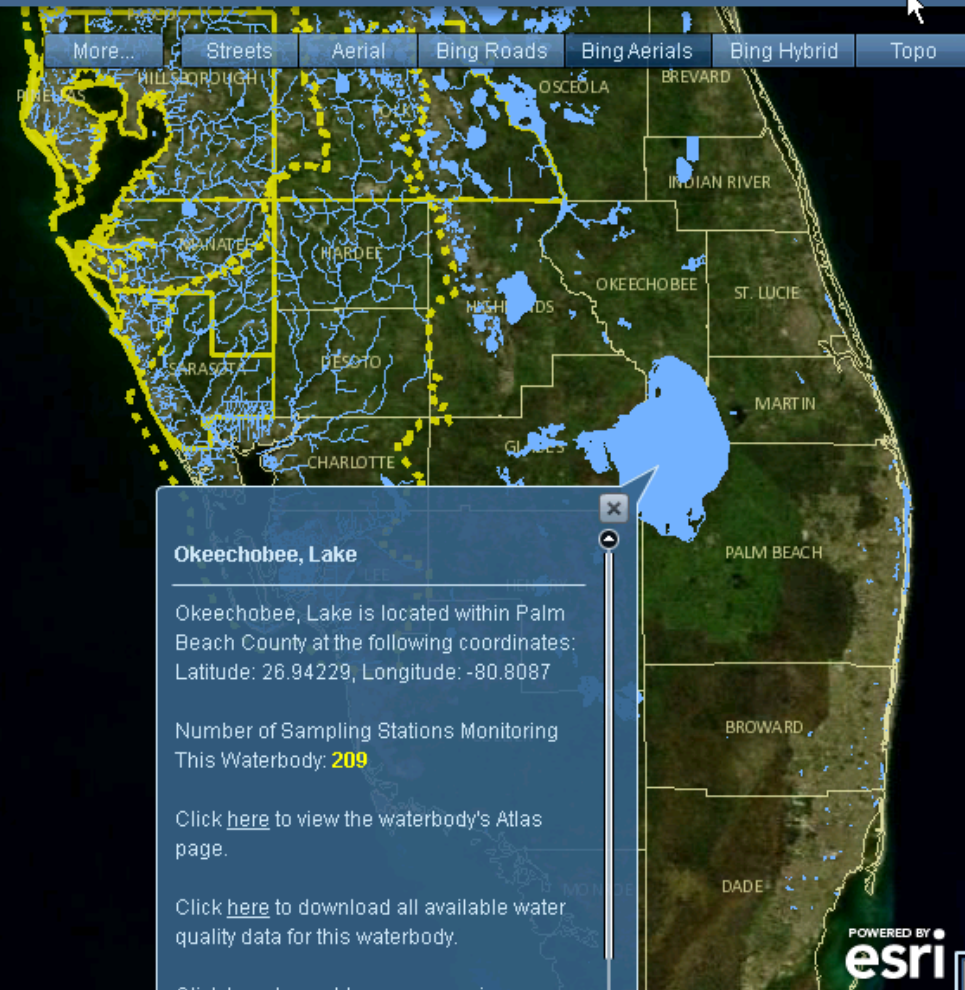
Pinellas County

Polk County

Sarasota County

Seminole County

Tampa Bay Estuary Program



Source Metadata

USGS National Water Information System

Datasource Information:

Dataset Type: Monitoring/Sampling Data

Name of Data Source: USGS National Water Information System

Number of Waterbodies Sampled: 673

Datasource Abbreviation (dataset): USGS_NWIS

Description of Datasource: As part of the Survey's program of disseminating water data to the public, the Water Resources Division (WRD) maintains a distributed network of computers and file servers for the storage and retrieval of water data collected through its activities at approximately 1.4 million sites. This system is called the National Water Information System (NWIS).

Method of Transferring Data to the Atlas: Automated transfer via HTTP

How Often Data is Transferred to the Atlas: Daily

Date of Most Recent Data Transfer: 2/15/2012 9:59:23 PM

Period of Record Within the Atlas: 10/25/1907 - 2/15/2012 6:00:00 PM

Disclaimer/Use Constraints: None

Custodian Information:

Agency Name:

USGS National Water Information System
Water Resources of the United States

Contact Name: Marge Davenport

Contact Phone: (850) 942-9500

Contact E-mail: Not Available

Contact URL: <http://water.usgs.gov/index.html>

[Print](#)

Identify Results - Hillsborough County - City of Tampa Water Atlas: Water Resourc...

<http://www.hillsborough.wateratlas.usf.edu/map/identify.asp?X1=530094.7022907936&Y1=1271188.678687825&X2>

SOURCE AGENCY	LAKEWATCH
WATERBODY SAMPLED	Alafia River
WBODYID	1
LATITUDE	27.87139
LONGITUDE	-82.28710999
NUMBER OF SAMPLING EVENTS	46
FIRST DATE SAMPLED	6/24/2000
LAST DATE SAMPLED	2/10/2001
Download Data Water Quality data for this station	
STATION ID	02301706
STATION NAME	ALAFIA RIVER NEAR RIVERVIEW FL
DATA SOURCE CODE	USGS_NWIS
SOURCE AGENCY	United States Geological Survey
WATERBODY SAMPLED	ALAFIA RIVER
WBODYID	1
LATITUDE	27.8825
LONGITUDE	-82.31
NUMBER OF SAMPLING	-

Associated Names

- There are no associated names for this body of water.

News and Events

No news or events have been posted yet. Be the first to submit news and events to the Water Atlas.

Water Resource Characteristics

Headwaters	Confluence of The North and South Prongs, Located East of Cr 39 S In Hillsborough County
Mouth	Hillsborough Bay

Map Legend

- Water Quality Sampling Sites
- Hydrology Sampling Sites

Data Summary

Data Integrity and QA

Florida Center Intranet
TOOLS

Data
SQL Activity Monitor
Data Update Exceptions

Mapping
SDE Sync & Integrity

QA/QC
Site Analysis
Water Quality Flagging

SDE Sync & Integrity

Sync SDE

☐ Perform Deep Integrity Check, Fool!

Integrity Violations

Group by: IntegrityIssue ▲

Search:

IssueID ▼	IntegrityIssue	WBodyID	WaterBodyName	DataSource	StationID	ReachCode	WShedID	BasinID	AdditionalInfo	RecordsAffected	LastProcessed
+	IntegrityIssue: Duplicate DataSource/StationID in Samples layer (4)										
+	IntegrityIssue: Lake/Pond is missing LakeRegion (1)										

Data QA/QC

Florida Center Intranet
TOOLS

Data
SQL Activity Monitor
Data Update Exceptions

Analyze Water Quality

Sites: Parameters:

Last Updated: 2/16/2012 5:48:01 PM
Field to Analyze: Result_Value
% of Mean: 75

Resource Name	Parameter	Min Date	Max Date
Airport Outfall Canal	TN_ugl	Jan-04-2005	Jul-05-2011
Alafia River	TN_ugl	Apr-28-1959	Aug-30-2011
Alafia River - North Prong	TN_ugl	Apr-28-1964	Sep-20-2011
Alafia River - South Prong	TN_ugl	May-19-1970	Sep-20-2011
Alafia River - South Prong - West Branch	TN_ugl	Jun-22-2005	May-04-2011
Alderman Creek	TN_ugl	May-24-1982	Mar-30-2011
Alice, Lake	TN_ugl	Dec-18-1990	Oct-13-2010
Allbright, Lake	TN_ugl	Nov-22-2010	Feb-24-2011
Allen, Lake	TN_ugl	Jul-28-1994	Aug-31-2009
Archie Creek	TN_ugl	Jul-27-2005	May-16-2011
Armistead, Lake	TN_ugl	Oct-08-1990	Jun-02-2011

Florida Center Intranet
TOOLS

Data
SQL Activity Monitor
Data Update Exceptions

Mapping
SDE Sync & Integrity

QA/QC
Site Analysis
Water Quality Flagging

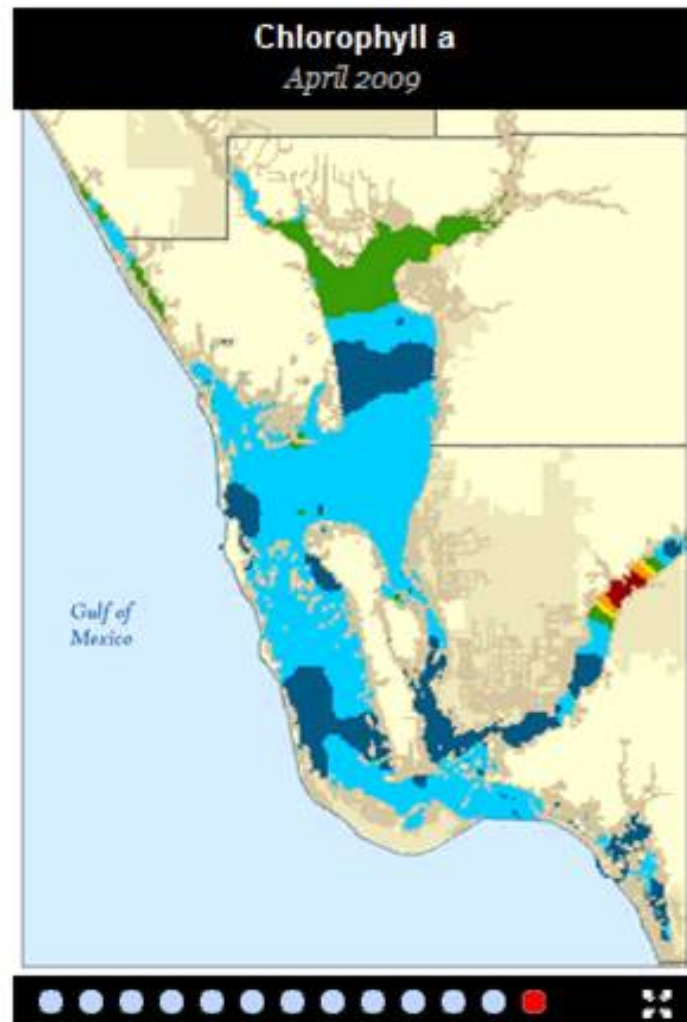
Analyze Water Quality

Sites: Parameters: Field to Analyze: % of Mean:

Last Updated: 2/16/2012 5:51:08 PM
Field to Analyze: MinValue
% of Mean: 75

Resource Name	Parameter	Min Date	Max Date	Latest Value	Min Value	Max Value	Mean Value	Std. Dev.
Airport Outfall Canal	TN_ugl	Jan-04-2005	Jul-05-2011	483.00	453.00	1,985.00	741.78	197.93
Alafia River	TN_ugl	Apr-28-1959	Aug-30-2011	1,630.00	70.00	37,430.00	2,530.53	1,635.76
Alafia River - North Prong	TN_ugl	Apr-28-1964	Sep-20-2011	1,271.00	110.00	46,260.00	3,812.27	2,282.81
Alafia River - South Prong	TN_ugl	May-19-1970	Sep-20-2011	2,410.00	300.00	22,780.00	1,465.44	490.43
Alafia River - South Prong - West Branch	TN_ugl	Jun-22-2005	May-04-2011	3,365.00	941.00	3,970.00	3,064.19	618.33
Alderman Creek	TN_ugl	May-24-1982	Mar-30-2011	2,340.00	320.00	6,600.00	2,122.47	1,085.08
Alice, Lake	TN_ugl	Dec-18-1990	Oct-13-2010	337.00	10.00	1,500.00	323.56	148.35
Allbright, Lake	TN_ugl	Nov-22-2010	Feb-24-2011	1,080.00	710.00	1,250.00	1,010.83	181.78
Allen, Lake	TN_ugl	Jul-28-1994	Aug-31-2009	1,000.00	640.00	3,300.00	1,101.29	257.36
Archie Creek	TN_ugl	Jul-27-2005	May-16-2011	588.00	588.00	1,870.00	1,089.96	324.37
Armistead, Lake	TN_ugl	Oct-08-1990	Jun-02-2011	1,326.00	350.00	1,326.00	996.38	136.55
Avis Lake	TN_ugl	May-18-1990	May-18-1990	1,880.00	1,880.00	1,880.00	1,880.00	0.00
Azalea Lakes #1 (09-02)	TN_ugl	Mar-31-2011	Aug-04-2011	1,133.33	760.00	2,070.00	1,201.82	339.55
Azalea Lakes (06-13)	TN_ugl	Mar-28-2011	Aug-04-2011	1,680.00	1,080.00	2,400.00	1,414.17	401.89
Baker Creek	TN_ugl	May-28-1959	Jul-26-2011	1,636.00	110.00	19,000.00	1,804.97	1,154.81
Barbara, Lake	TN_ugl	Feb-01-2000	Feb-17-2009	940.00	540.00	1,051.00	830.00	161.79
Basset Branch	TN_ugl	Jan-10-2007	Jul-01-2009	1,206.00	1,206.00	1,786.00	1,491.08	224.28
Bay Lake	TN_ugl	Jul-28-1994	Jul-24-2011	830.00	380.00	2,330.00	923.14	254.88
Behnke, Lake	TN_ugl	Dec-14-2011	Dec-14-2011	678.00	678.00	678.00	678.00	0.00

Questions?



Contour Mapping Timeline

The image being displayed is showing **Chlorophyll a** data starting with the most recent month of data and cycling through to the oldest contour map generated. Below are the available parameters having contour maps generated routinely. Select from the list below to see the change over time.

Contour Map Parameters

- Chlorophyll a
- Color
- Dissolved Oxygen (Bottom)
- Dissolved Oxygen (Surface)
- Salinity (Bottom)
- Salinity (Surface)
- Secchi Depth
- Temperature
- Total Nitrogen
- Total Phosphorus
- Turbidity

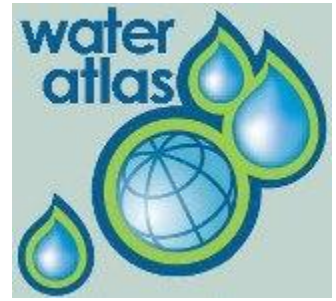
Map Legend

Chlorophyll a (ug/l)

- Less than 2
- 2 - 4.9
- 5 - 10.9
- 11 - 14.9
- 15 - 19.9
- 20 or Greater

Explore Coastal Watersheds Using the Sarasota County Water Atlas

The Sarasota County Water Atlas has interactive tools to help resource managers, students, academic researchers, and concerned citizens investigate and understand issues and trends related to coastal water quality. We invite you to visit the atlas at <http://www.sarasota.wateratlas.usf.edu/> and explore its many features, including...



Bay Conditions

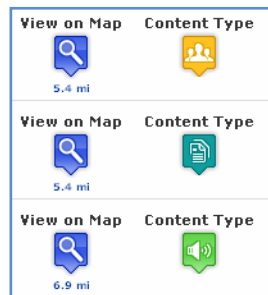
Learn about water quality in Sarasota's major bay groups—how it compares from bay to bay, from year to year, and to proposed standards. Explore the significance of various measures of water quality and their relationship to each other and to changing seasons and weather patterns. View graphs and charts, and download water quality data, to better understand how we assess coastal ecosystem health.

<http://www.sarasota.wateratlas.usf.edu/coastal/conditions-overview.aspx>

Sarasota Coastal Watersheds Wiki

View the results of the inaugural Sarasota Watershed Symposium here! Add a case study describing your own research, or share ideas for future projects to improve our coastal watersheds. By participating, you can help to build an online community of citizens and professionals who are working toward healthy bays, abundant wildlife, sustainable natural resources, and a vibrant local economy.

<http://www.sarasota.wateratlas.usf.edu/wiki/>



Spatial Digital Library

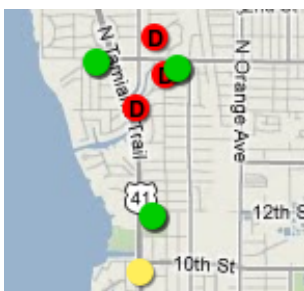
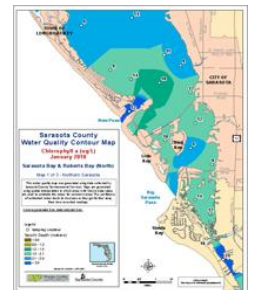
Find research reports, management plans, bathymetry and land use maps, popular articles, conservation advice, historical information, case studies, education and conservation organizations, videos, websites, and much more in this searchable online library. Use the interactive map to find items that pertain to a particular water resource, or view search results in a more traditional list format.

<http://www.sarasota.wateratlas.usf.edu/digitallibrary/spatial.aspx>

Water Quality Contour Mapping Tool

Visualize water quality data spatially by using this useful tool. Dissolved oxygen, clarity, nutrients, salinity, and chlorophyll a are some of the types of data you can map. View stored monthly maps or create and print custom maps by selecting the water quality parameter and period of your choice. You can also compare contour maps for two different parameters or time periods side-by-side to identify and illustrate water quality trends.

<http://www.sarasota.wateratlas.usf.edu/contour/>



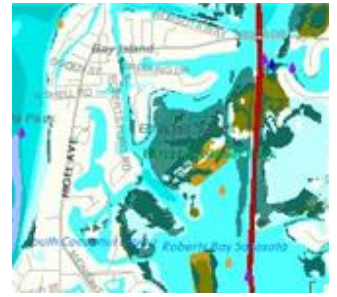
Real-time Data Mapper

Access up-to-the-minute water quality, hydrology, and weather data by selecting a marker on this interactive map. Get station metadata (location, owner, status), see the most recent sample data, view a graph of data from the previous day, week or month, or download stored data from any period. Zoom in to view non-real time data stations and download their stored data, as well.

<http://www.sarasota.wateratlas.usf.edu/datamapper/>

Advanced Mapping Tool

Use this interactive map tool to view and print custom maps. Choose the scale and map extent, display or hide data layers, then title your map and print it in one of three sizes. You can also use the search feature to quickly find a street address or a particular water body. Selectable map layers have information on water bodies, environment, recreation, planning & infrastructure (including land use), habitats, water levels, water quality, sampling locations and aerial photography. <http://maps.wateratlas.usf.edu/sarasota/>



SEA Team Blog

The Sarasota Environmental Aquatics (SEA) Team is an energetic group of volunteers whose work has made positive impacts on our bays. Whether they're seeding scallops or surveying seagrass, they provide scientists with valuable data. The information gathered by SEA Team volunteers allows scientists to better understand and manage these important ecosystems. Check out the blog to find out how you can join the team! <http://www.sarasota.wateratlas.usf.edu/seagrass/>

Stormwater Education

Learn about the sources of pollution carried in stormwater runoff and how we can reduce it. Basic information is accompanied by links to resources for homeowners, businesses and the construction industry, including local ordinances, informational videos, brochures, flyers and websites describing programs for disposal of polluting materials. There is even a kids' page with puzzles and games... and a music video!

<http://www.sarasota.wateratlas.usf.edu/stormwatered/>



Oral Histories – Celebrating Our Water Heritage

Enjoy these biographical slideshows featuring local residents whose lives and livelihoods have been closely tied to our water resources. A joint project of Sarasota County and New College, they were created by students who spent hours interviewing their colorful subjects. Full transcripts accompany the slideshows, which feature both historical and contemporary photos.

<http://www.sarasota.wateratlas.usf.edu/history/oralhistory.aspx>

Image Gallery – “Sarasota Captured”

Sarasota County Environmental Services enlisted the help of Ringling College of Art and Design photography students to create an extensive catalog of Sarasota's water bodies. Their work provides a historical record and a resource for staff and the community. Thanks to this internship there are now hundreds of photographs that artistically capture the beauty of Sarasota's waterways.

<http://www.sarasota.wateratlas.usf.edu/sarasota-captured/>



For more information about the Sarasota County Water Atlas contact:

Florida Center for Community Design + Research

School of Architecture & Community Design

University of South Florida

4202 East Fowler Avenue, HMS301, Tampa, FL 33620

(813) 974-4202

www.fccdr.usf.edu or www.wateratlas.org/

