

iMap User Guide

**St. Johns County, FL – GIS Division
4020 Lewis Speedway
St. Augustine, FL 32084**



Contents

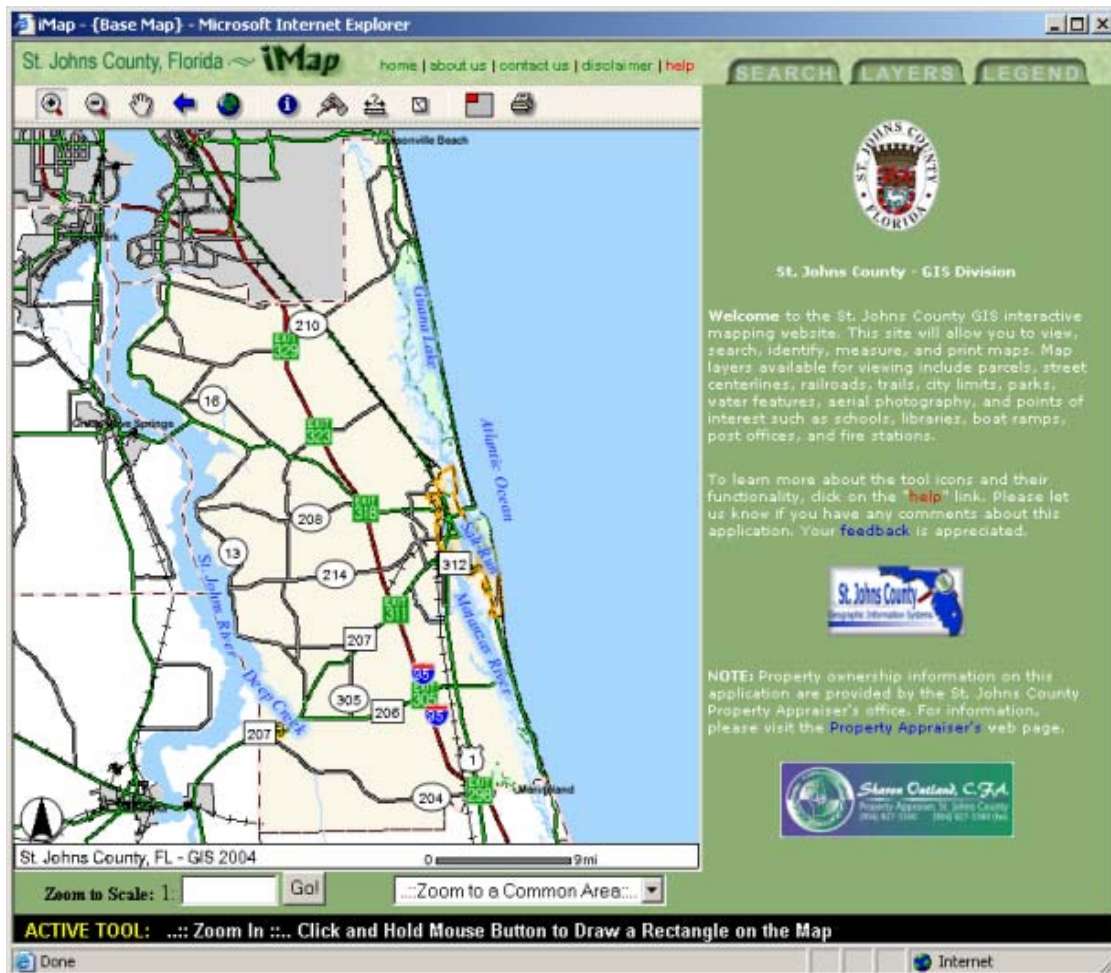
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Functional Overview

iMap is St. Johns County's Internet mapping solution built in a framework for distributing GIS mapping capabilities via the Internet.

Possible Uses

- Provides a variety of end users access to a wide range of GIS data using only a standard web browser.
- Provides the ability to view property information by searching for a property address or Parcel Identification Number (**PIN**).
- Provides users the ability to zoom in and out of the map display using the navigational tools, turn map layers on or off, and print your own custom maps.



Understanding the iMAP Interface

MAP Toolbar

Informational Links

Data Frame Toolbar

The screenshot shows the iMap web application running in Microsoft Internet Explorer. The browser title bar reads "iMap - {Base Map} - Microsoft Internet Explorer". The page header includes "St. Johns County, Florida" and "iMap" with navigation links: "home | about us | contact us | disclaimer | help". A "SEARCH" button is visible in the top right. The main content area features a map of St. Johns County, Florida, with various roads and landmarks labeled. A "MAP Toolbar" is located in the top left of the map area. A "Data Frame Toolbar" is located in the top right of the map area. A "Zoom to a Specific Scale" box is overlaid on the map. The right sidebar contains the St. Johns County logo, the text "St. Johns County - GIS Division", a welcome message, and a note about property ownership information. The bottom of the map area shows a scale bar (0 to 11 miles) and a "Zoom to Scale" input field with the value "1: 450708". Below the map, the "ACTIVE TOOL" is displayed as "Zoom In :: Click and Hold Mouse Button to Draw a Rectangle on the Map". The status bar at the bottom shows coordinates: "Latitude: 30° 0' 4.56\" (N) Longitude: 81° 13' 0.51\" (W) State Plane (Feet) X: 587539.70 Y: 2060454.42".

Zoom to a Specific Scale

Current Active Tool

Latitude & Longitude

Zoom to a Common Area

Navigational Mapping Tools

Map Toolbar



- The **Map Toolbar**, which is a group of small buttons located above the map display, is a collection of tools to navigate and interact with the map display.
- For a brief explanation of what each tool does, click on the “**help**” link.
- The **Quick Help** page will open up in the right hand side screen of the mapping interface. Read this and you will have the basics you need to use the interactive mapping application. Refer back to this Quick Help as needed while you explore the functionality of iMAP.

QUICK HELP

Map Tools:

- Zoom in to the map
- Zoom out from the map
- Pan around the map
- Return to the previous map view
- Zoom out to the full extent of the map
- Identify features on the **active layer**
- Identify common attributes about a user-selected point on the map
- Measure distances on the map
- Clear all markings on the map (Also initialize the Measure Tool to zero)
- Turn the Overview Map on or off
- Print the current map

Tools Details



Zoom In: Click on the “**Zoom In**” button to zoom into a particular area in the map display. You can click once using the left mouse button or you can click and hold down the left mouse button and drag the cursor to form a rectangle of the area to zoom to. Keep using the “**Zoom In**” tool until you see additional layers including aerial imagery.



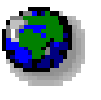
Zoom Out: Click on the “**Zoom Out**” button to zoom out from the map. You can “*click*” or “*click and drag*” on the map display.



Pan: Click on the “**Pan**” button to move around the different parts of the map. Click and hold down the left mouse button and drag the map in the opposite direction you want to go. Repeat this process until you have located the area of the map you want.



Previous Extent: Click on the “**Previous Extent**” button to go back to your previous map extent. This button does not affect visible or active layers, only the geographic extent of the map display. Note: You can go back only one step.



Full Extent: Click on the “**Full Extent**” button to zoom out to a full extent of the map data.



Identify: Click on the “**Identify**” button to get information about a specific feature. Once you click on this button, the [Map Layers](#) page will open up on the right side of the interface. Make sure the [Layer](#) that you want to identify is **highlighted in yellow** (See [Map Layers](#)). Then click on a specific feature of the active layer on the map. Data about the specific feature will be displayed at the right side of the interface.



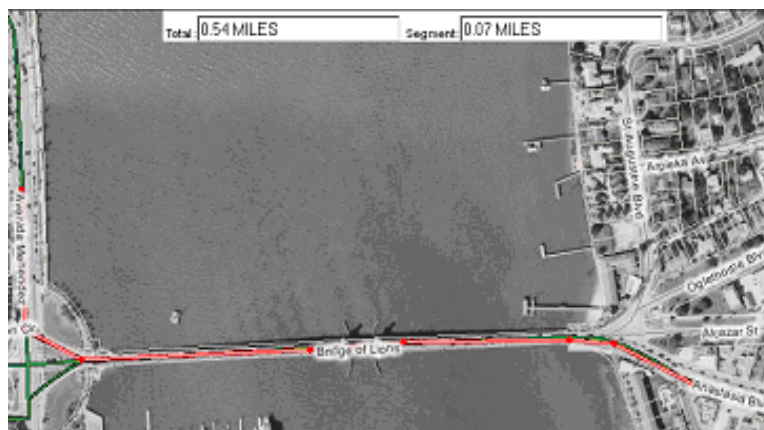
Drilldown: Click on the “**Drilldown**” button to identify common attributes about a specific point on the map display. Once you click on the map, a **red star** ★ will appear on the map and attributes such as County Commissioner / School Board District, Census Tract, Zip Code, and School Attendance Zones will appear on the right side of the interface. Clicking on the **hyperlinks** may take you to a third party Internet website.



Measure: Click on this button to activate the “**Measure**” tool. You can then find the straight-line distance between any two points on the map display.

Here's How:

- Click once at the point you wish to measure *from* on the map display.
- Wait for a **red dot** to be displayed on the map.
- Move the mouse cursor to another point on the map display that you wish to measure to and click again.
- A line segment will be drawn on the map connecting the two points, and the real-world distance between the points will be shown in a report field that appears at the top of the map display.
- Each additional click will draw another contiguous line segment.
- The distance between the two most recent points will be displayed (Segment), as will the total length of all the contiguous line segments (Total).





Clear and Reset Map: Click on this button to clear all markings and selections on the map display. In addition, this button will also reset the Measure Tool to zero.



Overview Map: Click on this button to turn the “**Overview Map**” on or off on the main map. The Overview Map shows the entire County and a red box, which represents the extent of the map display. The **red box** will change as the user zooms and pans in the map display.



Print: Click on the “**Print**” button to print the map display that is currently showing on the screen. Once you click on the button, a new print page will appear on the right side of the interface.

You can give your map a custom title and description by replacing the text “St. Johns County” and “Online Map”. Next, simply set the layout orientation to either Portrait or Landscape. Then click on the “**Create a Map in PDF**” button. A new window will open, showing the map you want to print.

The screenshot shows a green background with the title "PRINT A MAP" at the top. Below the title are three sections: "Enter The Map Title:" with a text box containing "St. Johns County", "Enter The Map Description:" with a text box containing "Online Map", and "Select The Map Page Size:" with two radio button options: "Portrait (8.5\"x11\")" (selected) and "Landscape (11\"x8.5\")". At the bottom is a button labeled "Create a Map in PDF".

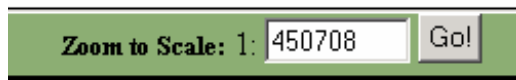
Note:

- The map generated by this application requires you to have **Adobe Acrobat Reader 4.0** or greater.
- Make sure your Internet browser’s pop-up blocker is turned off.

Printing from Adobe Acrobat Reader:

- Click the “**Print**” button or choose File → Print to open the print dialog box. Choose the printer you want the map printed to and click the “**Properties**” button and then the “**Layout**” tab to check that the orientation (portrait / landscape) is the same as the map.
- Click “**OK**” to close the properties dialog box and then click “**OK**” to print the map.
- When you are done printing, you can either save the PDF map for future reference or simply close out of Adobe Acrobat Reader and continue using **iMAP**.

Zoom To Scale



Use this tool if you want to zoom in or out of the map to a specific scale. Simply, enter in a scale (*example: 2400*) and click on the “**Go!**” button (*Do not press the “Enter” key on the keyboard*). The map display automatically redraws at the specific scale and is centered on the area of interest. Note: Aerial imagery layers will turn off at a scale of 1:600 or less.

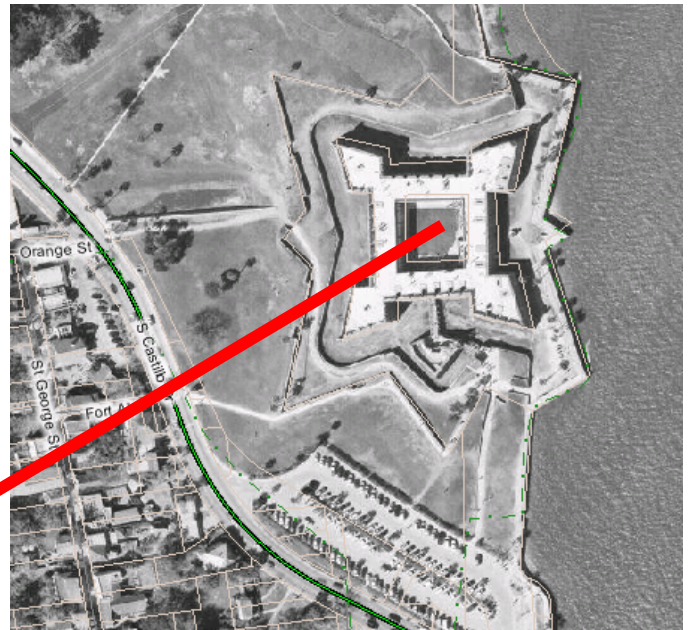
Current Active Tool



The “**Active Tool**” display, which is located on the bottom of the interface with a black background, labels which tool from the Map Toolbar is currently Active. It also displays a brief description on how to use the tool. For more information on how to use the **Map Toolbar**, please refer back to the [Navigational Mapping Tools](#) section of this User Guide.

Latitude & Longitude

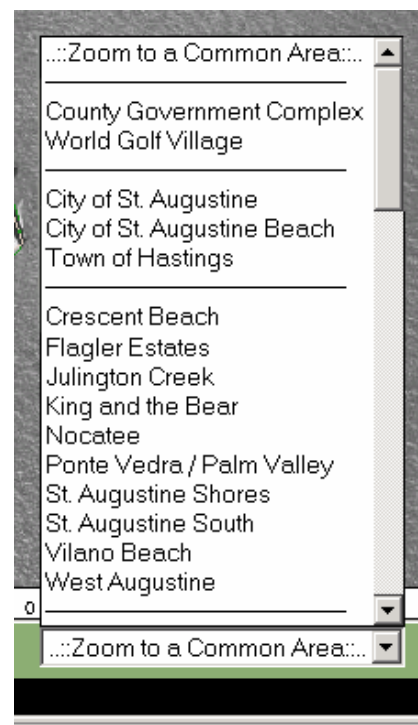
As you move the mouse cursor in the map display, the **Latitude and Longitude** of the cursor along with the X and Y coordinate in State Plane Feet is shown on the bottom of the map interface.



Latitude: 29° 53' 52.20" (N) Longitude: 81° 18' 41.49" (W) State Plane (Feet) X: 557456.58 Y: 2022908.58

Zoom to a Common Area

To quickly zoom into a particular area, simply click on the drop down arrow to see the listings of **“Common Areas”** for St. Johns County. Click on the Common Area name and the map display will automatically redraw to the selected area.



Informational Links

[home](#) | [about us](#) | [contact us](#) | [feedback](#) | [disclaimer](#) | [help](#)

home

Click on the “**home**” hyperlink to see the welcome page of the GIS Interactive Mapping website. You will also see a link on how to get “**help**”, a link on how to give us [feedback](#), and a link to the St. Johns County [Property Appraiser’s](#) web page who provided us the parcel ownership information for this application.

about us

Click on the “**about us**” hyperlink to open up a new web browser that will take you to the [St. Johns County – GIS Division](#) home page. From our home page, you will be able to access our Interactive Maps, GIS Map Mart (printable PDF maps), Frequently Asked Questions, and our Staff page.

contact us

Click on the “**contact us**” hyperlink to send us an e-mail about any comments or suggestions regarding our interactive maps. If you don’t have a default e-mail program set up on your personal computer, please go to our [internet web page](#) to see the GIS staff’s individual e-mail address.

feedback

Click on the “**feedback**” hyperlink to open up a new web browser that will take you to the “[iMAP Comments and Suggestion](#)” page. Please be sure that you take some time to fill out the form to help us improve our application. This is a voluntary form.

disclaimer

Click on the “**disclaimer**” hyperlink to see the Interactive Map Disclaimer. This is the same disclaimer you will see from our internet home page. You will have to [accept](#) the disclaimer in order for you to use the interactive maps.

help

Click on the “**help**” hyperlink to see a brief description of the Map Tools. For more detailed information, please refer back to the [Navigational Mapping Tools](#) section of this User Guide.

Data Frame Toolbar

Search Tools: To search for an address or parcel, click on the “**Search**” tab.

Search for an Address

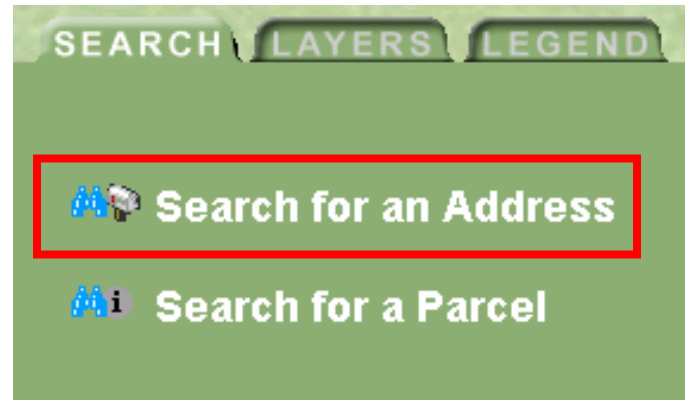
To locate a specific address, click on the “**Search for an Address**” link

- Enter the House Number.
(example: 42)
- Enter the House Number Suffix if one exists.
(example: A, ½)
- Enter the Street Name or select from the Master Street Index.
(example: St George)

Note: Only valid street names that are contained in the “**Master Street Index**” can be entered.

Advanced: Enter the first couple of characters of the street name then select the full street name from the “**Master Street Index**” drop down list.

- Do not enter street direction (E, W, N, S) or street type (ST, AV, BLVD, etc) in the street name.
- Click on the “**Search**” button.
- Click the “**Street Name**” [hyperlink](#) under the Search Result(s) to zoom to the address location.



The screenshot shows the 'Search for an Address' form. At the top, there are three tabs: 'SEARCH', 'LAYERS', and 'LEGEND'. The 'SEARCH' tab is active. Below the tabs, the title 'Search for an Address' is displayed. The form contains the following fields and buttons:

House Number	House Number Suffix
42	1/2

Street Name: ST GEORGE

Master Street Index: ST GEORGE (dropdown menu)

Buttons: Clear, Search

The screenshot shows the 'Search Result(s)' table. The table has three columns: 'Low', 'High', and 'Street Name'. The result shows a range from 1 to 199 for St George St, Saint Augustine, FL 32084.

Low	High	Street Name
1	199	St George St Saint Augustine, FL 32084

Multiple Address Search Results

Search Result(s)		
Low	High	Street Name
100	508	N Orange St Hastings, FL 32145
100	1081	N Orange St Saint Augustine, FL 32084
100	1200	Orange Av Saint Augustine, FL 32092
200	340	Orange Av Jacksonville, FL 32259

- Certain address searches will return multiple results.
- Simply, select from one of the [hyperlinks](#) with the appropriate address to zoom to the address location desired.
- Check community name and zip code to differentiate between addresses with the same street name.

Search for an Address Legend



Address search result showing the **Pin Icon** identifies the actual physical location of the address.



Address search result showing the **Asterisk Icon** identifies the approximate location of an address along the street centerline.

Actual Address Location



Approximate Address Location



Search for a Parcel

To locate a specific property parcel, click on the “**Search for a Parcel**” link.

- Enter a 10 digit Parcel Identification Number (**PIN**).
(example: 073400-0000)

Note: The hyphen will automatically be added for you.

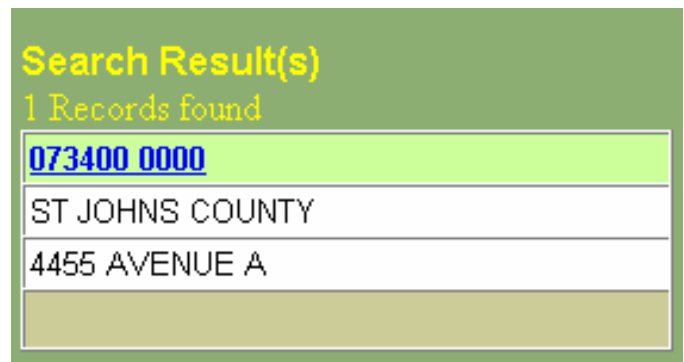
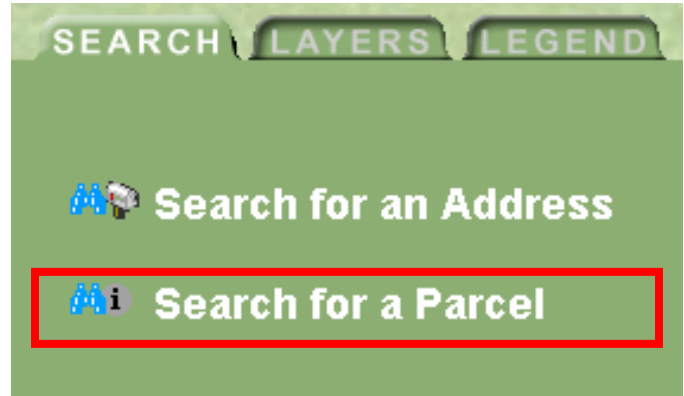
Advanced: Enter a minimum of six digits for the **PIN** to search for all parcels that start with that number.

OR

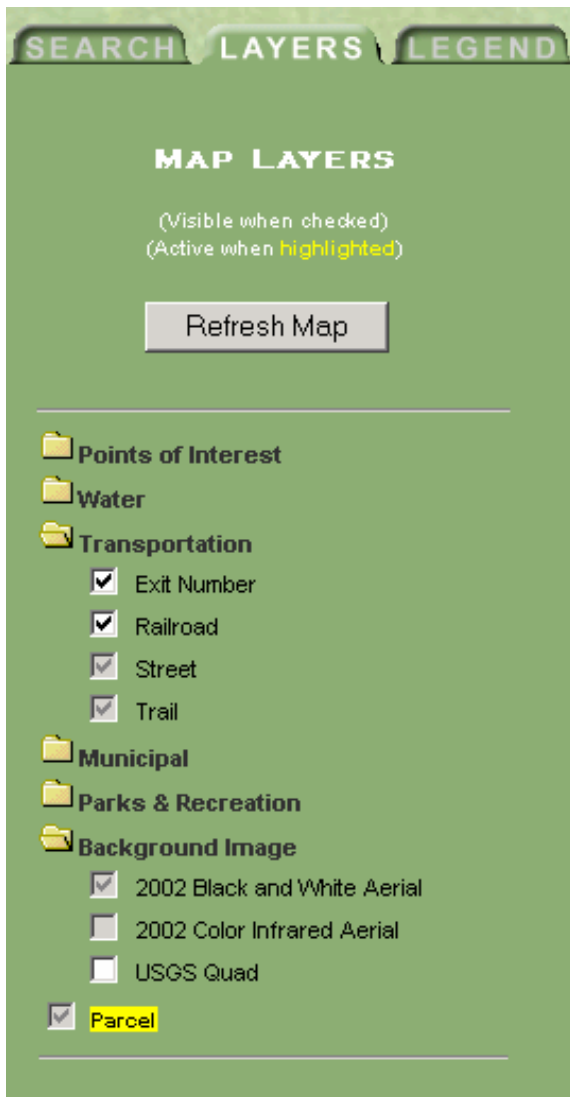
- Enter the owner’s last name.
(example: Smith)

Advanced: Enter a minimum of two characters to search for all parcels whose owner’s last name begins with those characters.


- Choose how you want the results sorted, either by **PIN** or by **NAME**.
- Click the “**Search**” button to submit your request.
- Click the “**PIN**” [hyperlink](#) under the Search Result(s) to zoom to the parcel location. The selected parcel will be shaded a light color to highlight it.



Map Layers



To view the list of available layers, click on the “**Layers**” tab.

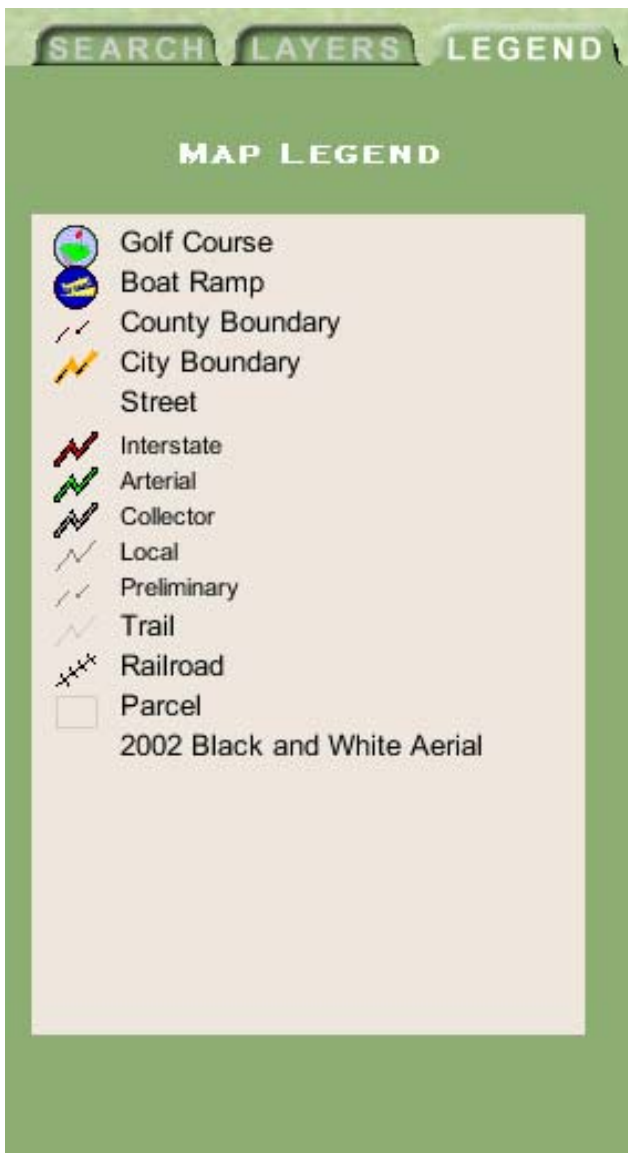
- The **Map Layers** are different features or sets of data that you can select to show on the map.
- The layers are **scale dependent**, meaning some layers will only be available at the scale they are best viewed at. As you **zoom in** on the map, more layers will become visible.
- Similar layers are grouped under the drop down folder. Click on the folder symbol  to expand the list of layers in the group.
- Layers that are currently shown on the map have a check mark in the square box to the left of the layer name. To turn layers on or off, just click in the square box.
- A layer name **highlighted in yellow** indicates the active layer. Only one layer can be active at a time. To set the active layer, click on the name of the layer (See [Identify Tool](#)).

Note:

- Click the check box to turn layer on and off.
- If the check box is disabled or grayed out, the layer is not available at the current scale.

- Click on the “**Refresh Map**” button, to reflect the changes made on the layer list in the map display.

Map Legend



Click on the “**Legend**” tab to view what each color and/or symbol on the map represents.

- The **Map Legend** is a reference to how each layer is symbolized.
- The **Map Legend** will only show layers that are currently visible in the Map Layers tab.

For more information, please visit our web site
<http://www.co.st-johns.fl.us/bcc/publicworks/gis/index.html>

Comments or Suggestion?
Please send them to: gis@co.st-johns.fl.us

