

# Simsuite Overview for Planners

## <http://simsuite.usace.army.mil>

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®

US Army Corps of Engineers  
**BUILDING STRONG**®

Division Boundaries

URL: [Go to...](#)

Layer Owner: [SimSuite Baselayers](#)

Group: [Government](#)

Keywords: Corps, USACE, Boundary, Boundaries, Civil Works, MSC, Divisions, Division

★ Add Bookmark → View Details

Resolution: 10m

Save Profile | Export CSV | T

Home Data My Favorites Activity Resources

Search viewers...

SimSuite

# What is Simsuite?

- A user-friendly mapping and analysis tool with basic and advanced GIS functions
- A tool for sharing, collaborating, planning and creating displays and more!
- Viewable internally
- Started several years ago with Emergency Management and others are starting to use more routinely



# When would you use Simsuite for Planning Studies?

- Access useful information in existing databases
- Integrate and rapidly assess data for baseline conditions and alternatives
- Visualize problems and opportunities
- Create multipurpose report graphics/maps
- Communication tool for in-house and outside interests
- And more!



# Simsuite Benefits

- Easy to print, share and send template maps
- Quick access to display and download some real-time data, and other sources of info:
  - ▶ NOAA, FEMA flood boundaries, project, census, threatened/endangered species, elevations, watersheds, channels, more
- Cost-effective tool for creating new analysis tools





# SimSuite



US Army Corps of Engineers

- Home
- Data
- My Favorites
- Activity
- Resources

### EM Common Ops

- [Browse existing viewers...](#)
- [Create a new viewer](#)



### EM Exercise

- [Browse existing viewers...](#)
- [Create a new viewer](#)



### EM Mission Models

- [Browse existing viewers...](#)
- [Create a new viewer](#)



### EM PRTs

- [Browse existing viewers...](#)
- [Create a new viewer](#)



### Flood Risk Management

- [Browse existing viewers...](#)
- [Create a new viewer](#)



### Military Support

- [Browse existing viewers...](#)
- [Create a new viewer](#)



### Planning (General)

- [Browse existing viewers...](#)
- [Create a new viewer](#)



### Recreation & NRM

- [Browse existing viewers...](#)
- [Create a new viewer](#)



### Regulatory

- [Browse existing viewers...](#)
- [Create a new viewer](#)



### Environmental Restoration

- [Browse existing viewers...](#)
- [Create a new viewer](#)

# Easy Print Template

Print Save As... Page Setup... Map Properties... Legend Properties... Close

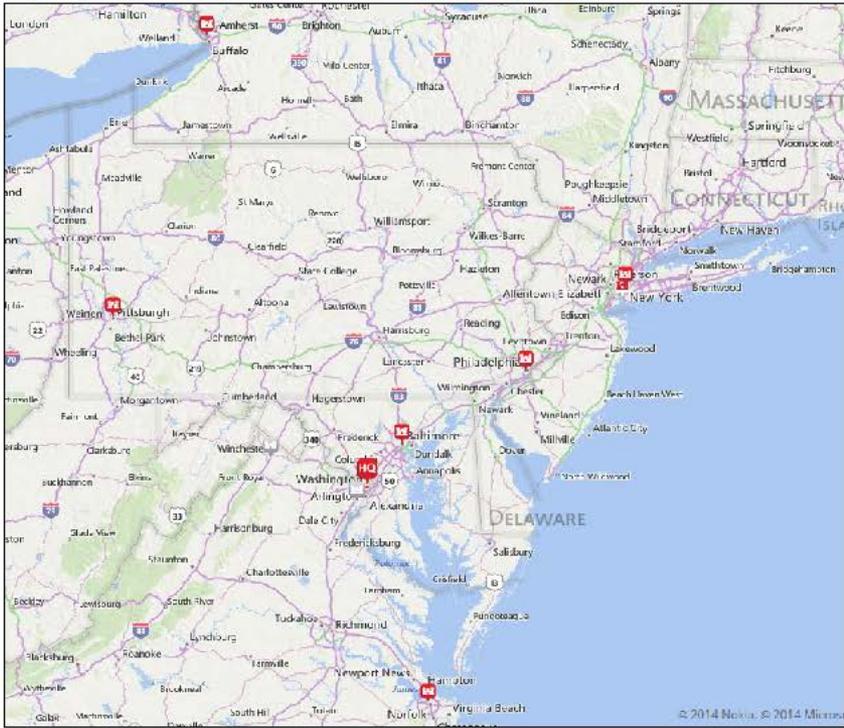
Title Chesapeake Bay Comprehensive Plan



US Army Corps of Engineers

## Chesapeake Bay Comprehensive Plan

US ARMY CORPS OF ENGINEERS



**LEGEND**

**USACE HQ Offices**

- Director
- Division
- Lab
- Center
- HQ

**Chesapeake Bay Watershed**



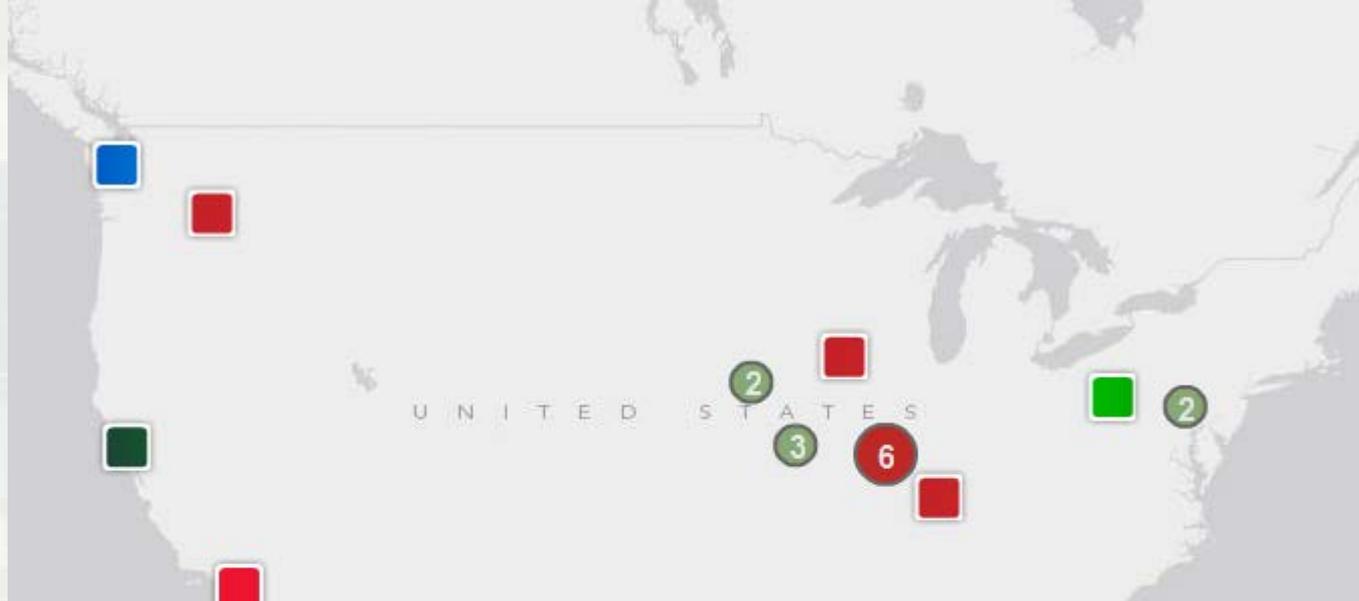
© Open...

US Army Corps of Engineers  
This map was produced using the  
SimSuite web application on:  
05 Sep 2014 @ 1513

© 2014 Nokia. © 2014 Microsoft



# Viewers



## Chesapeake Bay Comprehensive Pl... E1-NAB

Created: Monday, 02 Jul 2012 @ 01:00  
Last Updated: Sunday, 15 Jul 2012 @ 11:27

The intent of the plan is to identify natural resource restoration (habitat focused) as well as stormwater manag...

★ Add Bookmark → Open Viewer



## Flood Risk Management / Inland Flo... Q0-IWR

Created: Monday, 20 Aug 2012 @ 01:00  
Last Updated: Thursday, 15 May 2014 @ 15:31

This viewer was created for IWR Planning in regards to Flood Risk Management / Inland Flooding

★ Add Bookmark → Open Viewer



## Generic Aquatic Ecosystem Restor... Q0-IWR

Created: Tuesday, 01 Jul 2014 @ 10:25  
Last Updated: Tuesday, 08 Jul 2014 @ 09:45

This is created for general use. It is based off of the Aquatic Ecosystem Restoration template. This was created on July ...

★ Add Bookmark → Open Viewer



## Generic Coastal Storm Risk Manag... Q0-IWR

Created: Tuesday, 08 Jul 2014 @ 09:36  
Last Updated: Tuesday, 08 Jul 2014 @ 09:36

This is a genneric viewer for use as needed.

★ Add Bookmark → Open Viewer



## Generic Deep Draft Navigation Vie... Q0-IWR

Created: Tuesday, 08 Jul 2014 @ 09:37  
Last Updated: Tuesday, 08 Jul 2014 @ 09:40

This is a genneric viewer for use as needed.

★ Add Bookmark → Open Viewer



## Generic Hydropower Viewer Q0-IWR

Created: Tuesday, 08 Jul 2014 @ 09:40  
Last Updated: Tuesday, 08 Jul 2014 @ 09:41

This is a genneric viewer for use as needed.

★ Add Bookmark → Open Viewer



## Generic Inland Navigation Viewer Q0-IWR

Created: Tuesday, 08 Jul 2014 @ 09:41  
Last Updated: Tuesday, 08 Jul 2014 @ 09:42

This is a genneric viewer for use as needed.

★ Add Bookmark → Open Viewer



## Generic Recreation Viewer Q0-IWR

Created: Tuesday, 08 Jul 2014 @ 09:42  
Last Updated: Tuesday, 08 Jul 2014 @ 09:43

This is a genneric viewer for use as needed.

★ Add Bookmark → Open Viewer



## Generic Small Boat Harbor Viewer Q0-IWR

Created: Tuesday, 08 Jul 2014 @ 09:44  
Last Updated: Tuesday, 08 Jul 2014 @ 09:44

This is a genneric viewer for use as needed.

★ Add Bookmark → Open Viewer



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# Data Library

The screenshot displays the SimSuite Data Library interface. At the top, there is a navigation bar with 'Home', 'Data', 'My Favorites', 'Activity', and 'Resources'. A search bar is located on the right. The main content area shows search results for 'Q0 - IWR' with 45 matches. The results are organized into a grid of cards, each representing a data layer. Each card includes the layer name, URL, owner, group, and keywords, along with 'Add Bookmark' and 'View Details' buttons.

Current Viewer Dashboard Login

## SimSuite

### US Army Corps of Engineers

Home Data My Favorites Activity Resources

Home > Data Add new layer to library...

'Q0 - IWR' - 45 matches in layers  Layer Owner  Group Q0 - IWR

<b>EPA No Discharge Zones</b> URL: <a href="#">Go to...</a> Layer Owner: Q0 - IWR Group: <a href="#">!ERROR</a> Keywords: discharge, epa, environmental <a href="#">★ Add Bookmark</a> <a href="#">→ View Details</a>	<b>WSD Parks</b> URL: <a href="#">Go to...</a> Layer Owner: Q0 - IWR Group: <a href="#">Borders</a> Keywords: parks, wsd, environmental <a href="#">★ Add Bookmark</a> <a href="#">→ View Details</a>	<b>Essential Fish Habitat - AHMS</b> URL: <a href="#">Go to...</a> Layer Owner: Q0 - IWR Group: <a href="#">Environmental</a> Keywords: habitat, fish, <a href="#">environmental</a> <a href="#">★ Add Bookmark</a> <a href="#">→ View Details</a>
<b>USGS Topo Change</b> URL: <a href="#">Go to...</a> Layer Owner: Q0 - IWR Group: <a href="#">Environmental</a> Keywords: topo, change, quad, usgs, land, environmental <a href="#">★ Add Bookmark</a> <a href="#">→ View Details</a>	<b>USA Federal Lands</b> URL: <a href="#">Go to...</a> Layer Owner: Q0 - IWR Group: <a href="#">Borders</a> Keywords: lands, federal, national, environmental <a href="#">★ Add Bookmark</a> <a href="#">→ View Details</a>	<b>NRCS Watershed Boundary Dataset</b> URL: <a href="#">Go to...</a> Layer Owner: Q0 - IWR Group: <a href="#">Water Resources</a> Keywords: watersheds, huc, basins, subbasins <a href="#">★ Add Bookmark</a> <a href="#">→ View Details</a>
<b>IENC WRECKS,DEPARE,CNTARE</b>	<b>Moore, OK Tornado Damage Swath</b>	<b>Damage Assessments - Moore Tornado</b>



# Data Preview

Home » **Data**

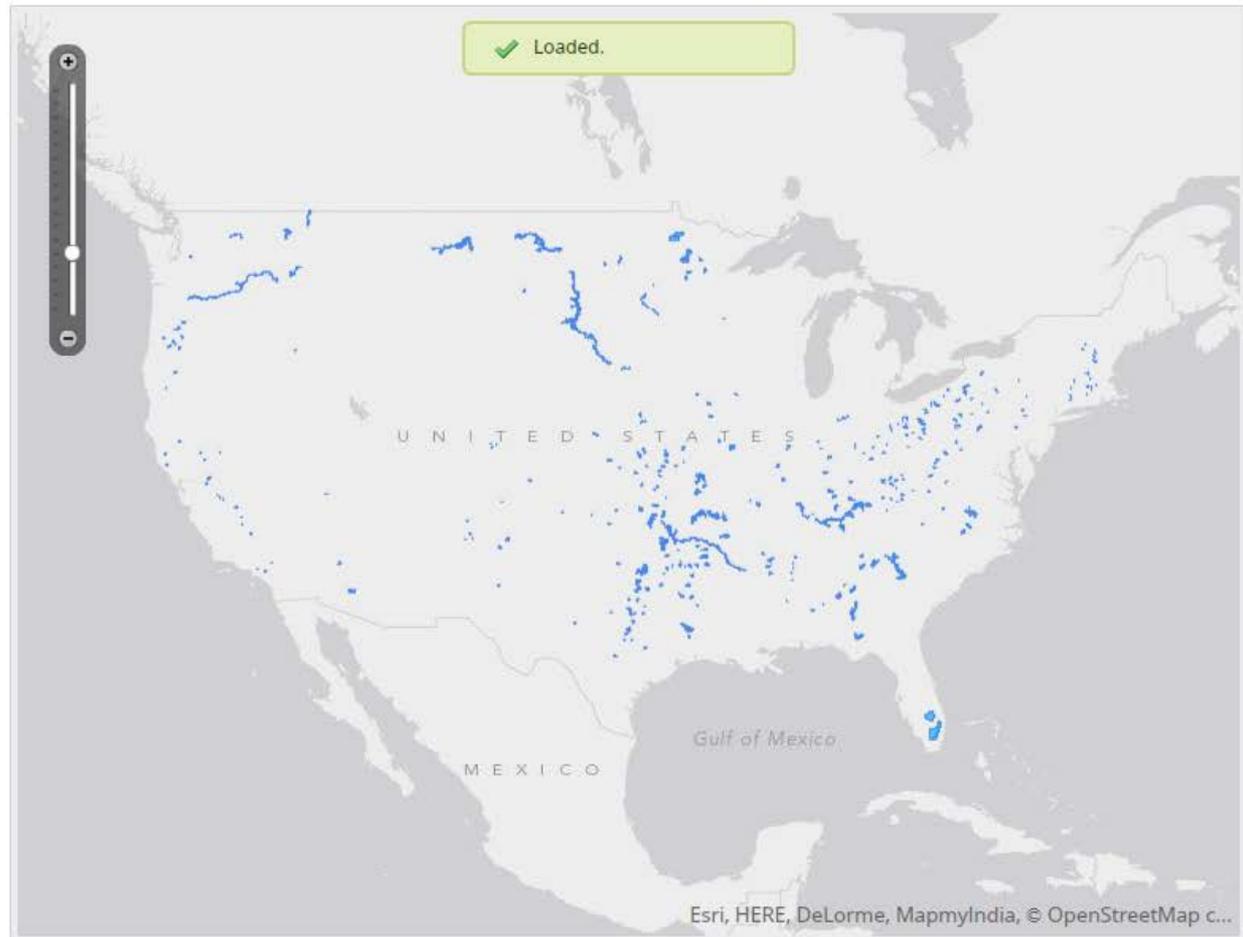
 Add new layer to library...

 Back

## USACE Reservoirs

Details Viewers

**ID:** 61  
**Real-Time?:** No  
**Layer Owner:** SimSuite  
**Group:** Water Resources  
**Sub-group:** Impoundments  
**Keywords:** Water, Reservoirs, Flood Control, Lakes, Corps, USACE



# Data Examples

- FEMA 100-year floodplain
- Critical facilities
- Marine Traffic
- Highways
- Census Data
- Stream gages
- Structure Inventory (In Progress)
- Critical Habitat
- Your additions (*with advanced user rights*)



# EddMaps Invasive Species App

The screenshot displays the 'Generic Aquatic Ecosystem Restoration Viewer' interface. The top navigation bar includes 'Return to Portal', 'Standard Tools', 'Apps', and 'Search'. Below this, there are buttons for 'App Library', 'Nature Serve', 'NHDPlus Catchment Reports', 'Downstream Route', 'Environmental', and 'EddMaps Invasive'. The main content area is titled 'EddMaps Invasive Species' and features a search box with 'Point' selected. The results are filtered by 'County: Pinellas' and show 341 results. The following table lists the first five species shown:

Species Name	ID	Genus	Species	Identifier	Variety
African collared dove	22788	Streptopelia	roseogrisea	(Sundevall, 1857)	
African jewelfish	18376	Hemichromis	letourneuxi	Sauvage, 1880	
air-potato	3017	Dioscorea	bulbifera	L.	
Alexandrine parakeet	58126	Psittacula	eupatria	(Linnaeus, 1766)	

The map on the right shows Pinellas County, Florida, with a cyan-colored area highlighting the coastal region. Labels on the map include 'Hudson', 'Bayonet Point', 'Jasmine Estates', 'Port Richey', 'New Port Richey', 'Beacon Square', 'Holiday', 'Tarpon Springs', 'Palm Harbor', 'Dunedin', 'Clearwater', 'Largo', 'Indian Rocks Beach', 'Seminole', 'Madel Beach', 'Treasure Island', 'St Pete Beach', 'Pinellas County', 'State Aquatic Preserve', 'Tampa Bay', 'Tampa', 'MacDill Air Force Base', 'Gibson', 'Apollo Beach', 'Ruskin', and 'Parrish'. Major roads like I-75, I-4, and SR 500 are also visible.





US Army Corps of Engineers

# US Army Corps of Engineers

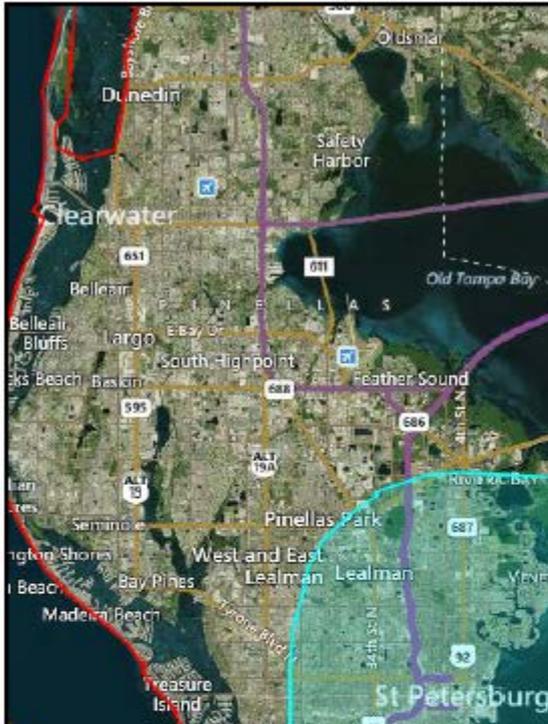
**Project Area:**  
154 sq mi

**General Information:**

USACE Division	South Atlantic Division
USACE District	Jacksonville
USACE Regulatory District	Jacksonville
Congressional Districts	FL-11, FL-10
State(s)	Florida
Counties	Pinellas
Watershed	Anclote River, Tampa Bay, Alligator Creek-Salt Creek Frontal

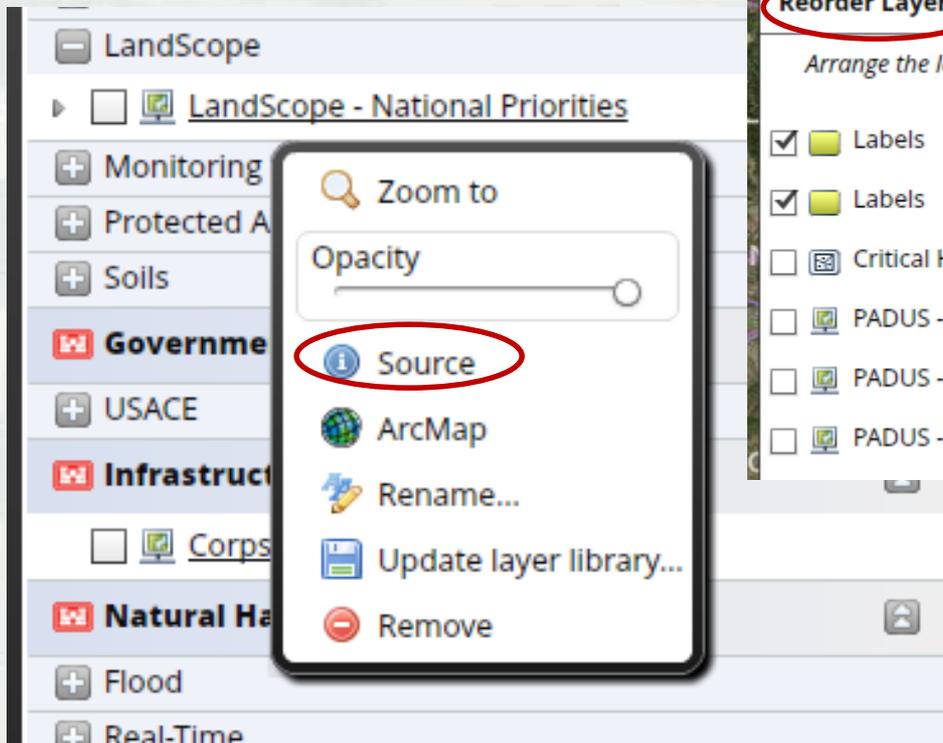
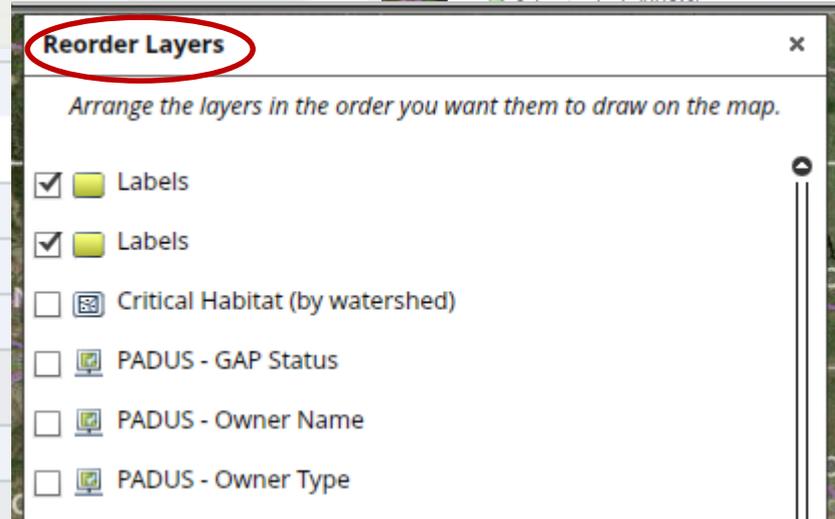
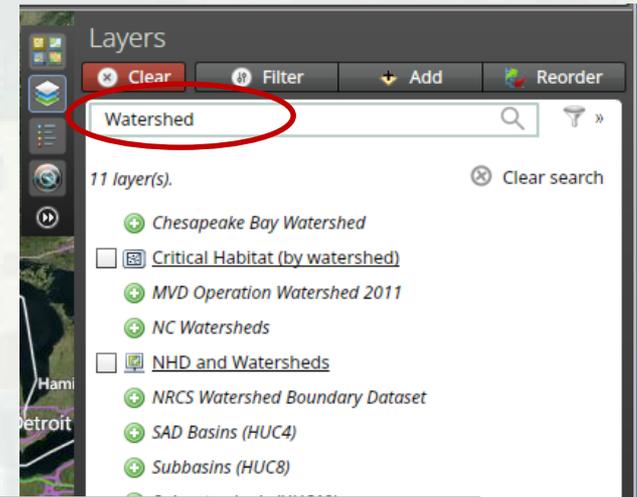
**Demographic:**

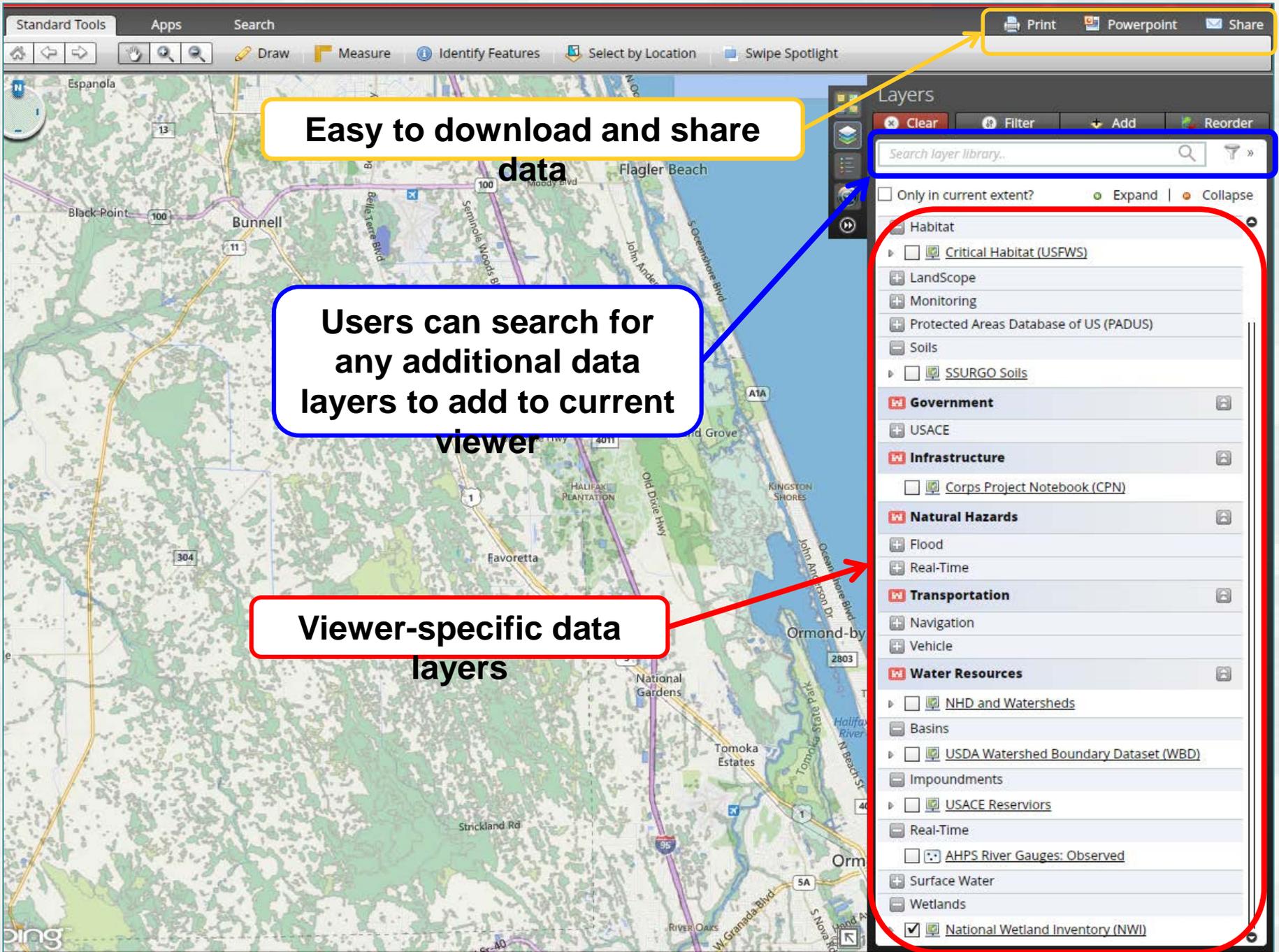
Population (total)	266,136
Median Age	43.13
Median Income	37,792.86



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# Download, Reorder, Search, Add, and Modify Labels/Colors on Data





Easy to download and share data

Users can search for any additional data layers to add to current viewer

Viewer-specific data layers

Layers

Clear Filter Add Reorder

Search layer library..

Only in current extent?  Expand |  Collapse

- Habitat
  - Critical Habitat (USFWS)
- LandScape
- Monitoring
- Protected Areas Database of US (PADUS)
- Soils
  - SSURGO Soils
- Government**
  - USACE
- Infrastructure**
  - Corps Project Notebook (CPN)
- Natural Hazards**
  - Flood
  - Real-Time
- Transportation**
  - Navigation
  - Vehicle
- Water Resources**
  - NHD and Watersheds
  - Basins
    - USDA Watershed Boundary Dataset (WBD)
  - Impoundments
    - USACE Reservoirs
  - Real-Time
    - AHPS River Gauges: Observed
  - Surface Water
  - Wetlands
    - National Wetland Inventory (NWI)

# App Library

**SimSuite App Library.**  
Install and remove apps in the current viewer.

Search apps...

- All
- EM Common Ops
- EM Exercise
- EM Mission Models
- EM PRTs
- Environmental Protection and Restoration
- Flood Risk Management
- Military Support
- Planning (General)
- Recreation & NRM
- Regulatory

<b>Animation/Time Control</b> <span>+</span> Allows time-enabled layers to animate in the map.	<b>Downstream Route</b> <span>+</span> BETA tool. Calculates downstream network transversal.	<b>Drive Times Calculator</b> <span>+</span> This app will calculate estimated drive time areas from point loca...
<b>EOC Whiteboard</b> <span>-</span> Create/Display EM activities on the map.	<b>EPRAM</b> <span>-</span> The Emergency Power Response Assessment Model (EPRAM) is u...	<b>EddMaps Invasive Species</b> <span>+</span> BETA
<b>Elevation Profile</b> <span>+</span> Creates a user-defined elevation cross-section.	<b>Environmental</b> <span>+</span> Use this app to search for available environmental data in ...	<b>Google Street View</b> <span>+</span> This tool allows you to view Google Street View within the Si...
<b>Hurricane Forecast Models</b> <span>+</span>	<b>IWRM Library GeoSearch</b> <span>+</span> BETA Tool. Search planning documents spatially from the I...	<b>Local Storm Reports</b> <span>+</span> App displays near real-time field storm reports from the NWS
<b>MICA</b> <span>-</span>	<b>Mission Models</b> <span>-</span> ESF #3 Mission Models for planning and exercise events.	<b>My Maps</b> <span>+</span> Create/save your own custom maps within existing viewers

Cancel Apply



# Planning Kick-Start

Generate Report

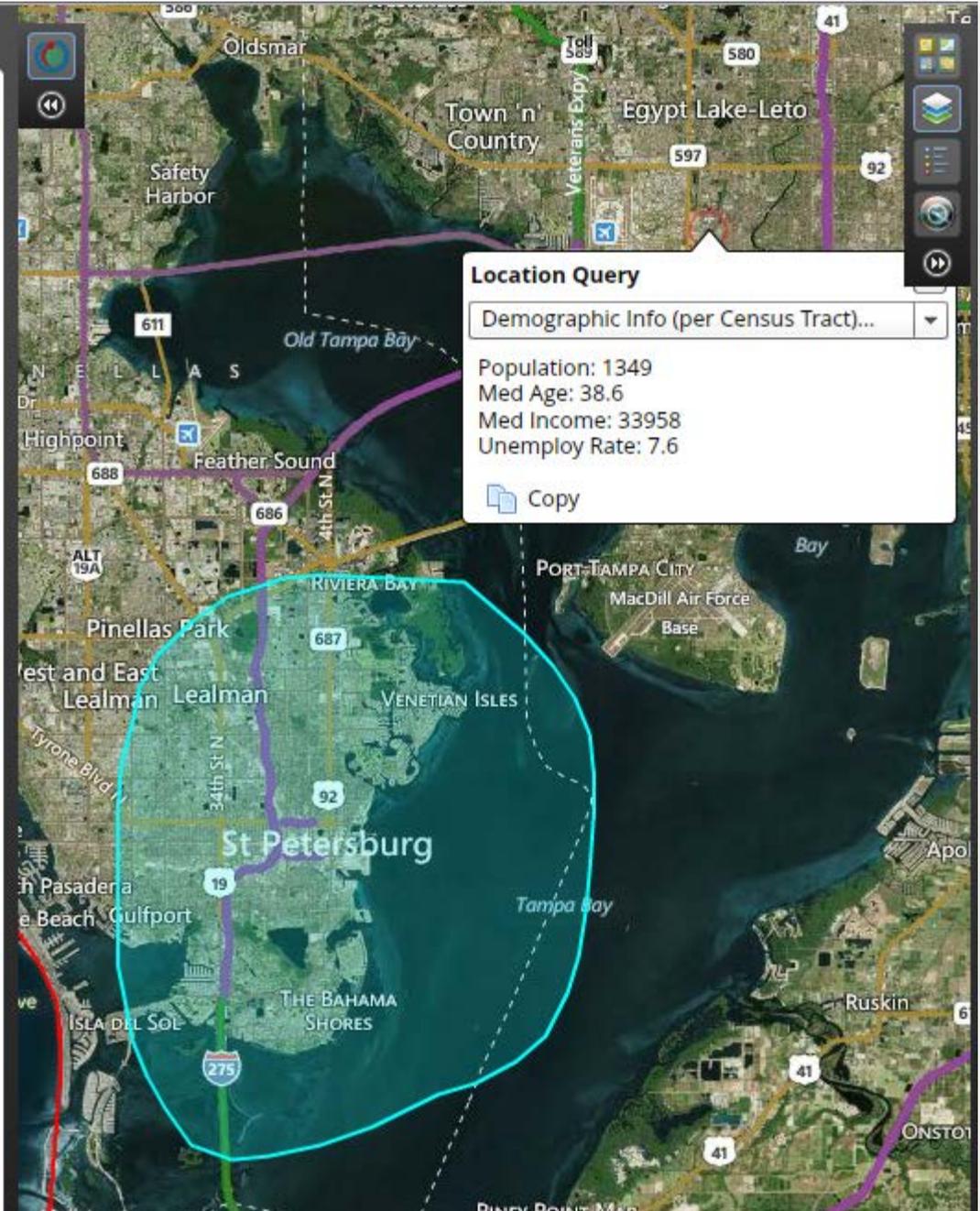
Create a Viewer

Edit

General Informat...	
x USACE Division	South Atlantic Division
x USACE District	Jacksonville
x USACE Regulatory Di:	Jacksonville
Congressional Distric	FL-11, FL-10
State(s)	Florida
Counties	Pinellas
Watershed	Anclote River, Tampa Bay,

Demographic	
Population (total)	266,136
Median Age	43.13
Median Income	37,792.86



# Advanced User Access

- Limited # of Admins per district
- Click on Login and Request Access
- Admins can:
  - ▶ Create/Edit viewers (within your organization)
  - ▶ Modify apps connected to viewers
  - ▶ Modify data associated with viewers
  - ▶ Add data to the system
  - ▶ Customize the look of the viewer
- Webinars available upon request



# Help?



Current Viewer   3 Dashboard Contact Us Login

## SimSuite



US Army Corps of Engineers

Home Data My Favorites Activity Resources

Search viewers... 

Home » Resources

### General Info

- [SimSuite Users Manual](#) - Documentation for **Frequently Asked Questions** about SimSuite.
- CorpsMap - Homepage for the **CorpsMap** system.
- EngLink - CAC log in for **EngLink Interactive**.

### USACE Organizations & Other Federal Partners

- HQUSACE - Homepage for the **HQUSACE Disaster Impact Models**.
- IWR - Homepage for the **Institute for Water Resources**.
- FEMA - Homepage for the **FEMA**.



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# SIMSUITE USER'S GUIDE

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U.S. ARMY CORPS OF ENGINEERS

AUGUST 25, 2014

The screenshot shows the SimSuite web application interface. At the top, there is a world map background with the text "SimSuite" in a large, white, sans-serif font. Below the map is a dark green navigation bar containing the US Army Corps of Engineers logo (a red square with a white castle icon) and the text "US Army Corps of Engineers". To the right of the logo are navigation links: "Home", "Data", "My Favorites", "Activity", and "Resources". Further right is a search bar with the placeholder text "Search viewers..." and a magnifying glass icon. Below the navigation bar, the main content area is divided into four sections, each with a thumbnail image and a title:

- EM Common Ops**: Thumbnail shows the "EM" logo. Below the title are two links: "Browse existing viewers..." and "Create a new viewer".
- EM Exercise**: Thumbnail shows the "SimEX" logo. Below the title are two links: "Browse existing viewers..." and "Create a new viewer".
- EM Mission Models**: Thumbnail shows a globe. Below the title are two links: "Browse existing viewers..." and "Create a new viewer".
- EM PRTs**: Thumbnail shows a group of people. Below the title are two links: "Browse existing viewers..." and "Create a new viewer".



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# Other Resource

**Simsuite and Nature Serve Webinar (Sep. 11, 2012): <http://tinyurl.com/m48taju>**



# Simsuite Support Team

- For Questions, Demos or Technical Issues:
  - ▶ Contact Erin Rooks, Forrest Vanderbilt, Janet Cushing, Jae Chung (IWR)
- PM/Developer: Chad Markin, IWR
- Additional Webinars and Viewer Setup available upon request



# Planning Questions and Help:

Contact Erin Rooks or Forrest Vanderbilt



Video tutorials coming soon!



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