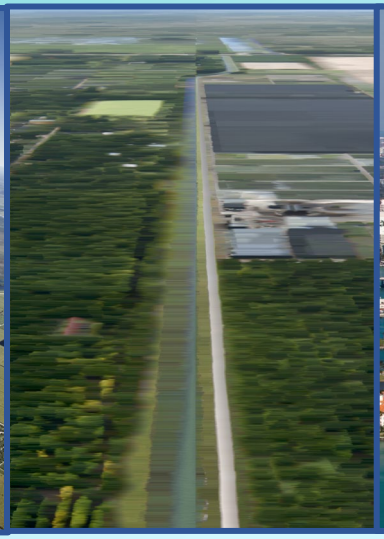
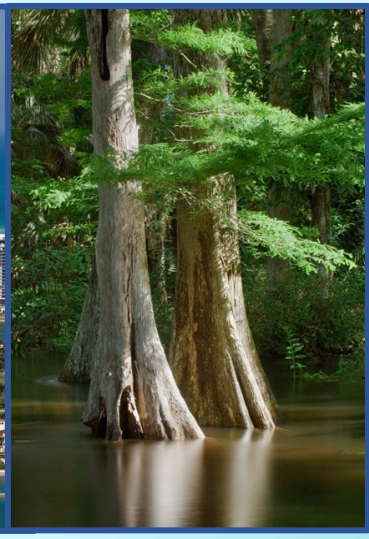
# 2023-2024 LEC Plan Update Future Direction

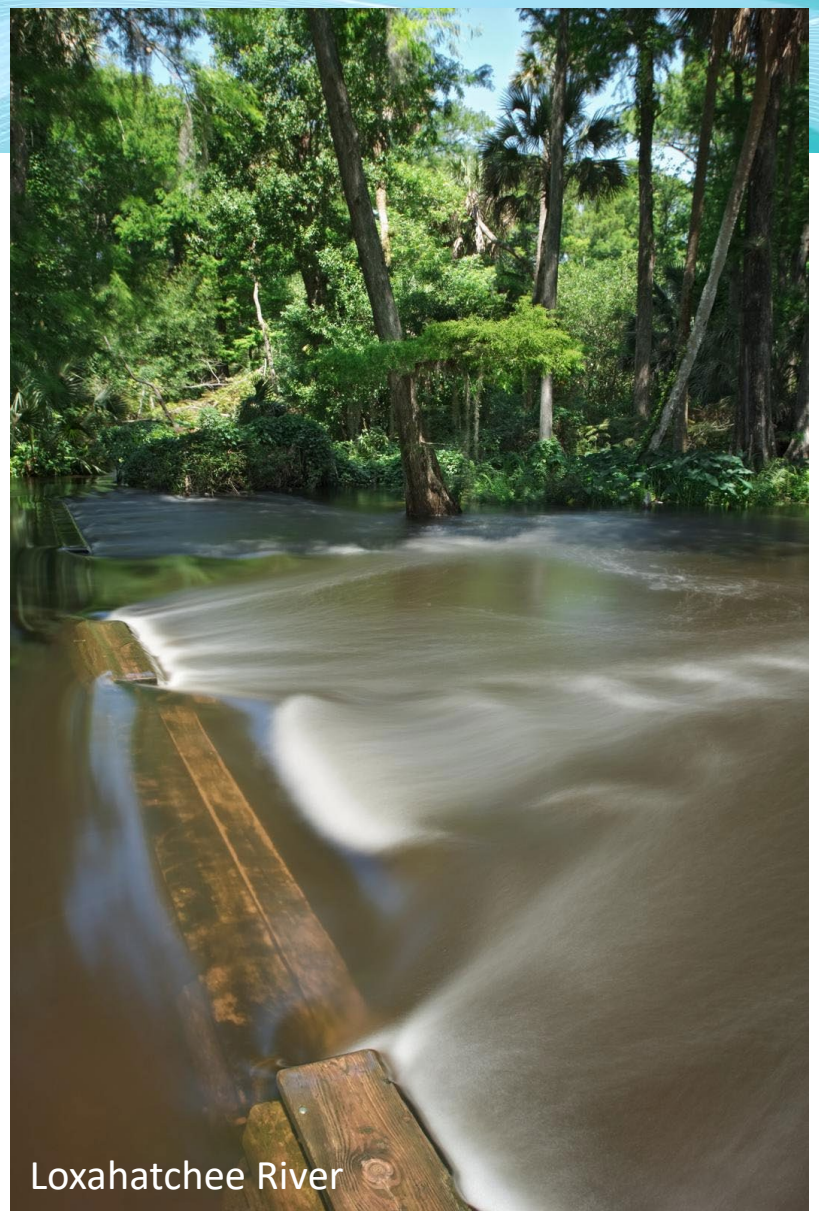




Tom Colios
Section Leader, Water Supply Planning
SEFLUC Meeting
September 8, 2025

# Future Direction

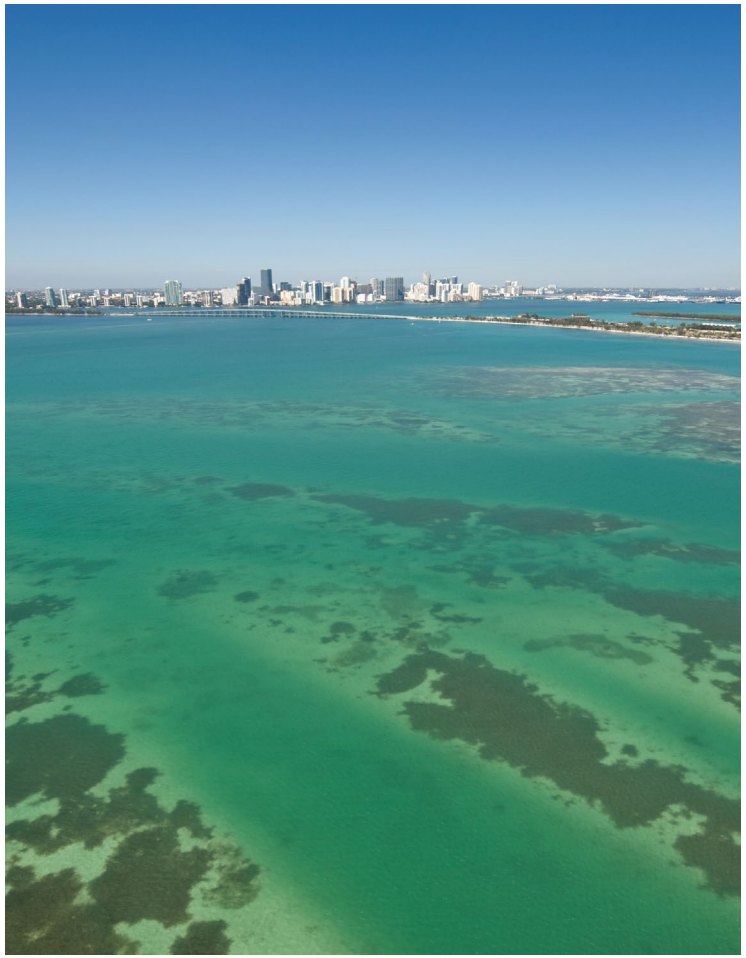
- Continue implementation of:
  - Aquifer monitoring programs
  - Water conservation programs
  - Alternative water supply development projects
  - CERP and other ecosystem restoration projects
- Implement long-term management measures for the FAS in coordination with utilities
- Evaluate, monitor, and design solutions in response to sea level rise and climate trends
- Coordinate with other agencies, local and tribal governments, and utilities on water supply elements


Loxahatchee River

# Regional and Local Planning Linkage

After the District Governing Board approves the water supply plan update:

- Local governments must amend their Comprehensive Plan to update their Water Supply Facilities Work Plan within 18 months of the plan update's approval
- Local governments, in coordination with utilities, identify the projects to be developed
- Must include at least a 10-year planning period, identify alternative and traditional water supply development projects, conservation efforts, and reuse activities needed to meet the projected future water demands
- LEC Plan Update was approved September 2024. Water Supply Facilities Work Plans are due **March 2026**
- Utility annual progress reports due in November

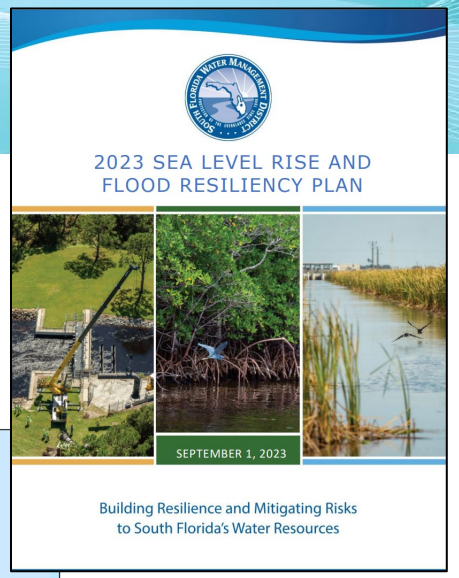


Miami - Biscayne Bay

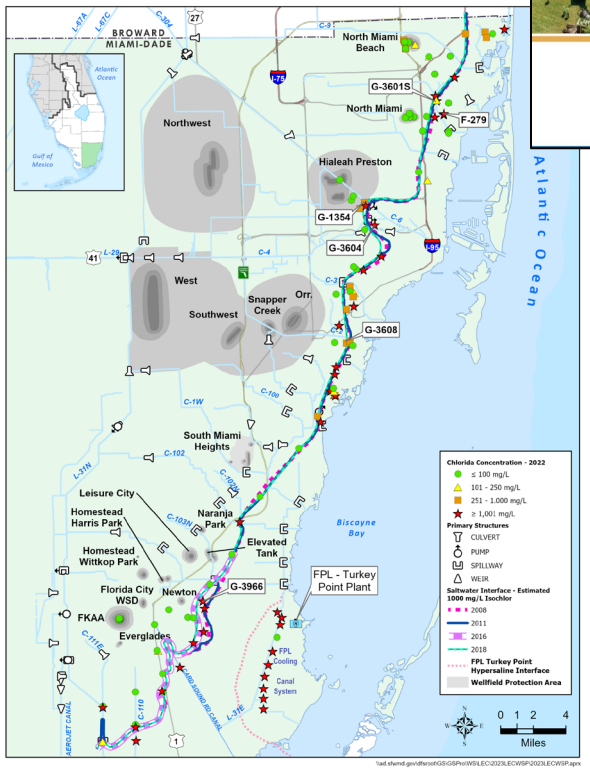
# Emerging Issues Discussion

- Polyfluoroalkyl Substances (PFAS)
  - Recent developments by the United States Environmental Protection Agency on the regulatory criteria for PFAS could require changes in the level of treatment required and may result in increased raw water demands
  - Current recommended water quality standards are under review (4 or 40 ppt)
- Permitting Regulation Limitations
  - Increased withdrawals from traditional sources limited by Regional Water Availability rule
- Development of Alternative Sources
  - Time for Budgeting and Planning
- Recommend the 10-year Facility Work Plan include utility's plan/method to deal with PFAS

# Long-term Water Supply Vulnerability Assessment




- 50-year look ahead
- Changing conditions
  - Increased demands
  - Rainfall patterns & Evapotranspiration
  - Sea level rise
- The SFWMD is preparing by:
  - Conducting research
  - Developing ECSM groundwater simulations
- Identify overall water supply vulnerabilities including saltwater intrusion in coastal wellfields



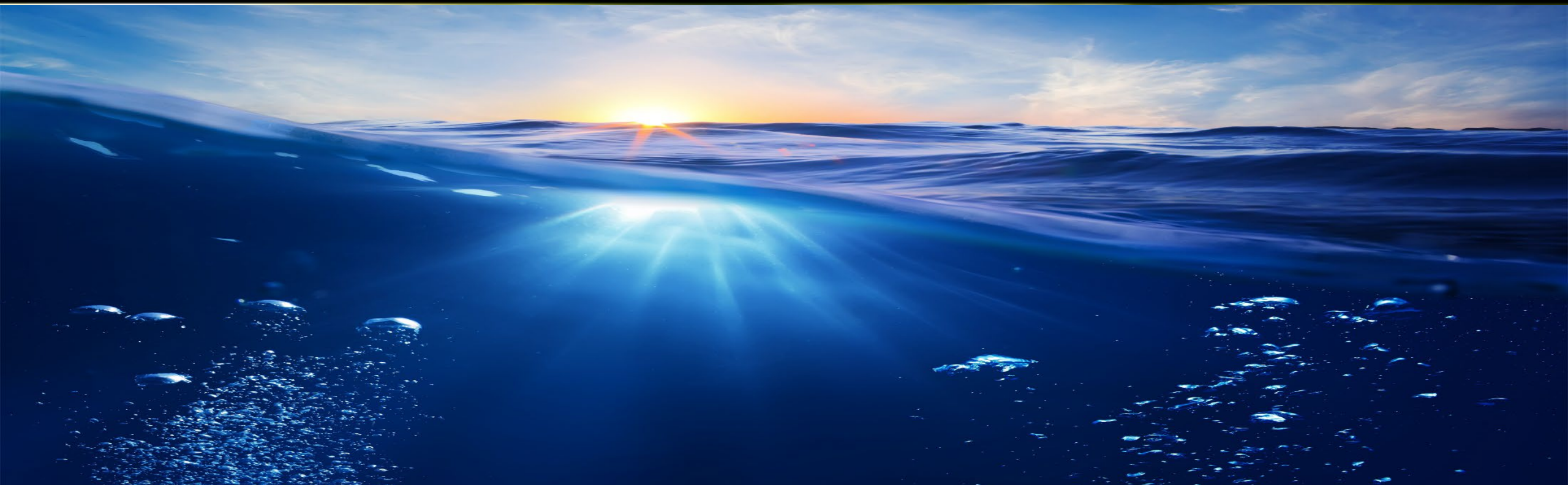

Website: https://www.sfwmd.gov/our-work/district-resiliency

Presenter: Tom Colios

# Questions?

- Plan information can be found at: www.sfwmd.gov/lecplan
- **Nancy Demonstranti, Plan Manager**
  - ndemonst@sfwmd.gov
- **Tom Colios, Section Leader**
  - tcolios@sfwmd.gov
- **Mark Elsner, Bureau Chief**
  - melsner@sfwmd.gov

SOUTH FLORIDA WATER MANAGEMENT DISTRICT



# Water Supply Utilities Project Database (WaSUP) 2025 Update

*Matt Stahley*
*Water Supply Specialist*
*September 8th, 2025*

sfwmd.gov

# Statutory Requirements

- Annual Progress Report required pursuant to Section 373.709, Florida Statutes
- Utilities must provide an update on water supply projects by November 15th, 2025.

# The WaSUP Database

- WaSUP provides an easier method for you to submit the required report.
- Submission of a report using the WaSUP database completes your requirement for an Annual Progress Report, due by Nov. 15 of each year.

# WaSUP Data Applications

- WaSUP utility data is used for:
  - Regional water supply plans
    - Service area map updates, population and per capita trends
    - Identifying new water supply and conservation projects and tracking the status, capacity, and capital costs

# WaSUP Data Applications

- Providing annual reports and info requests to FDEP
- Legislative requests for water supply/conservation funding

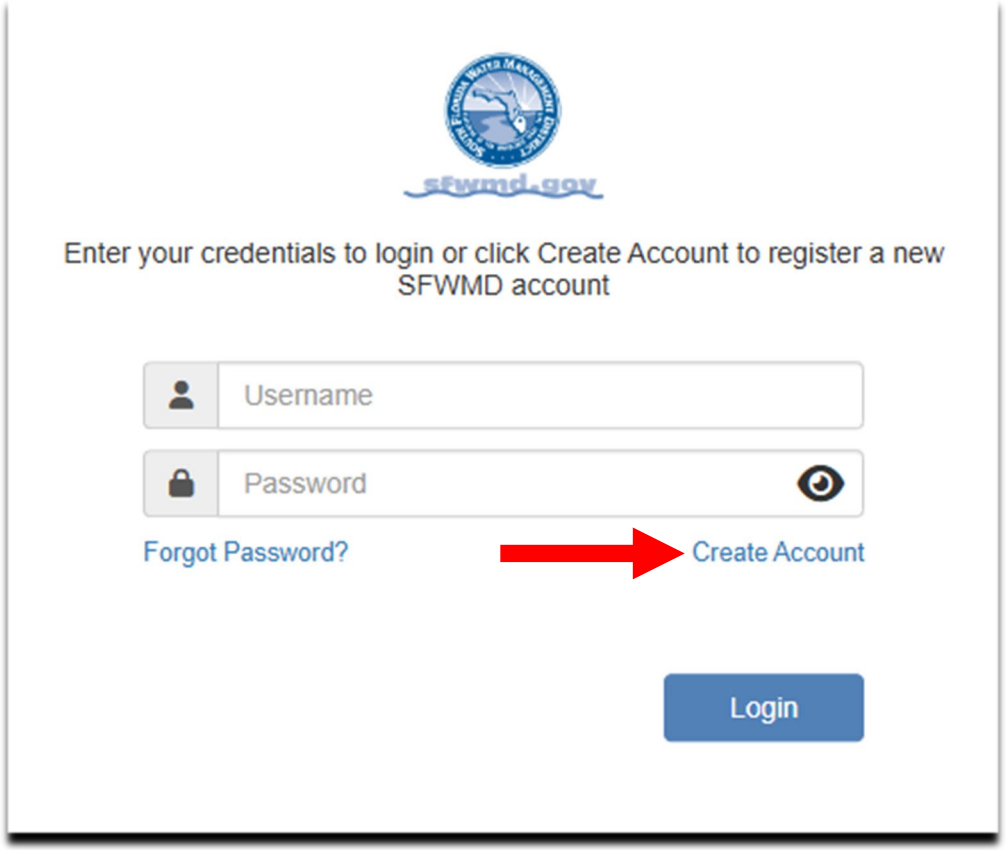
# Accessing WaSUP

- On October 15th, the database will be open and a follow up email will be sent to the verified utility contacts on file.
  - The email will contain an attachment with instructions and links to WaSUP and the password application.

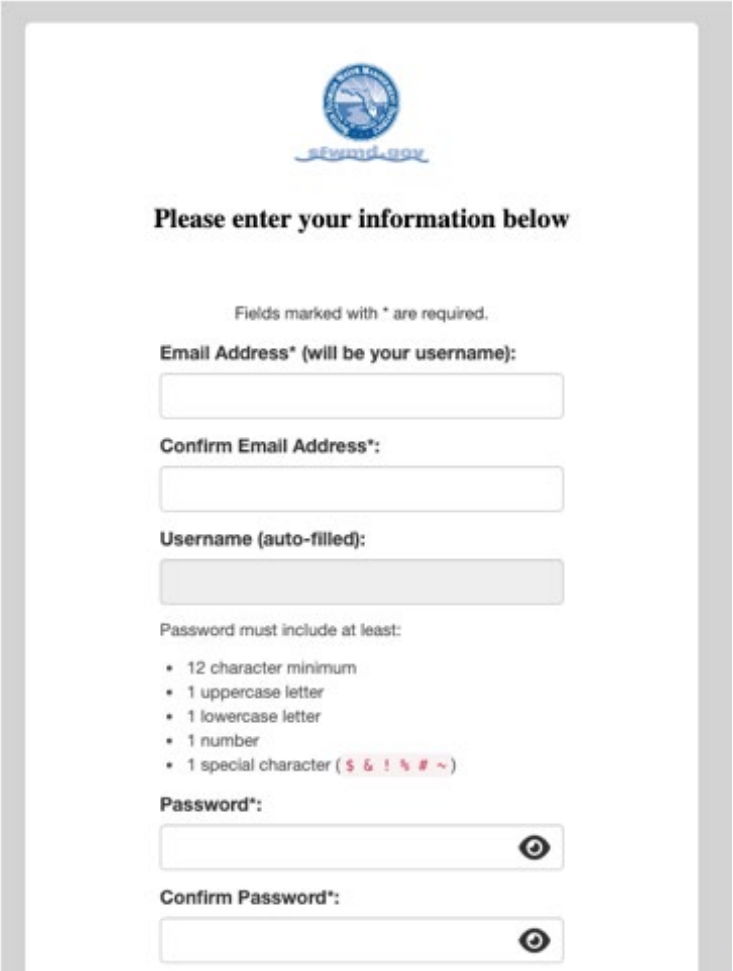
# New Users:

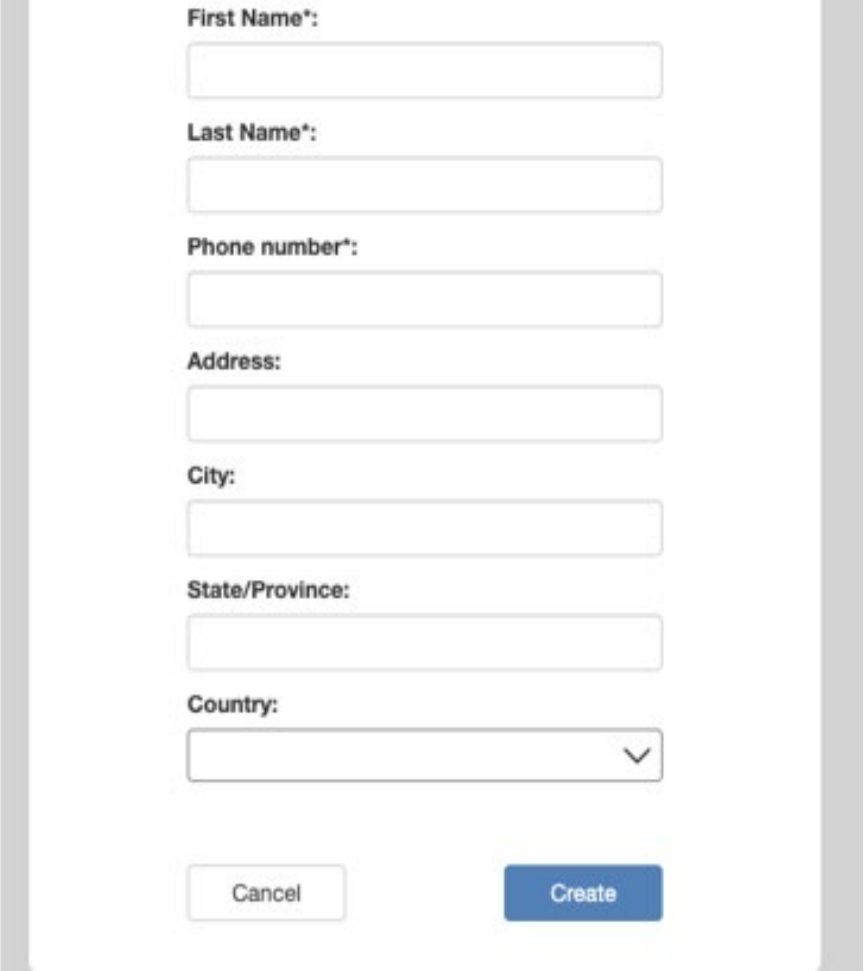
- All new users must create a User ID (e-mail address) and password to access the WaSUP database.
- Use the "Create Account" link for New Users provided in the guidelines document.
- https://webauth.sfwmd.gov/portal/selfservice/ssp_wsup/

# Self-Registration Screen – New User:

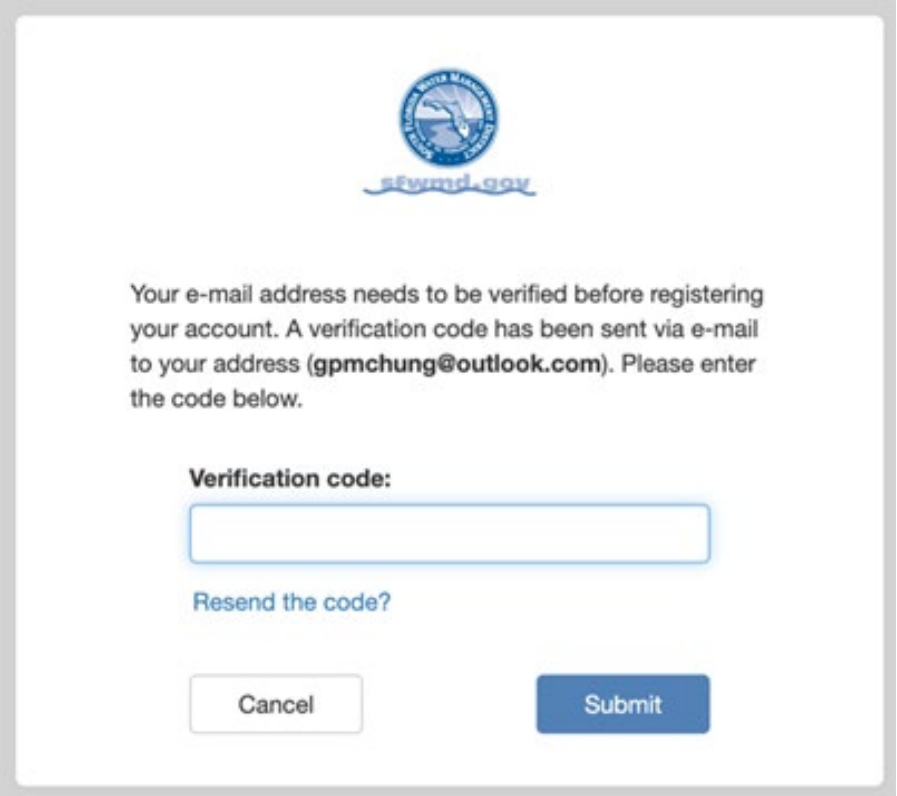


# Self-Registration Screen – New User:



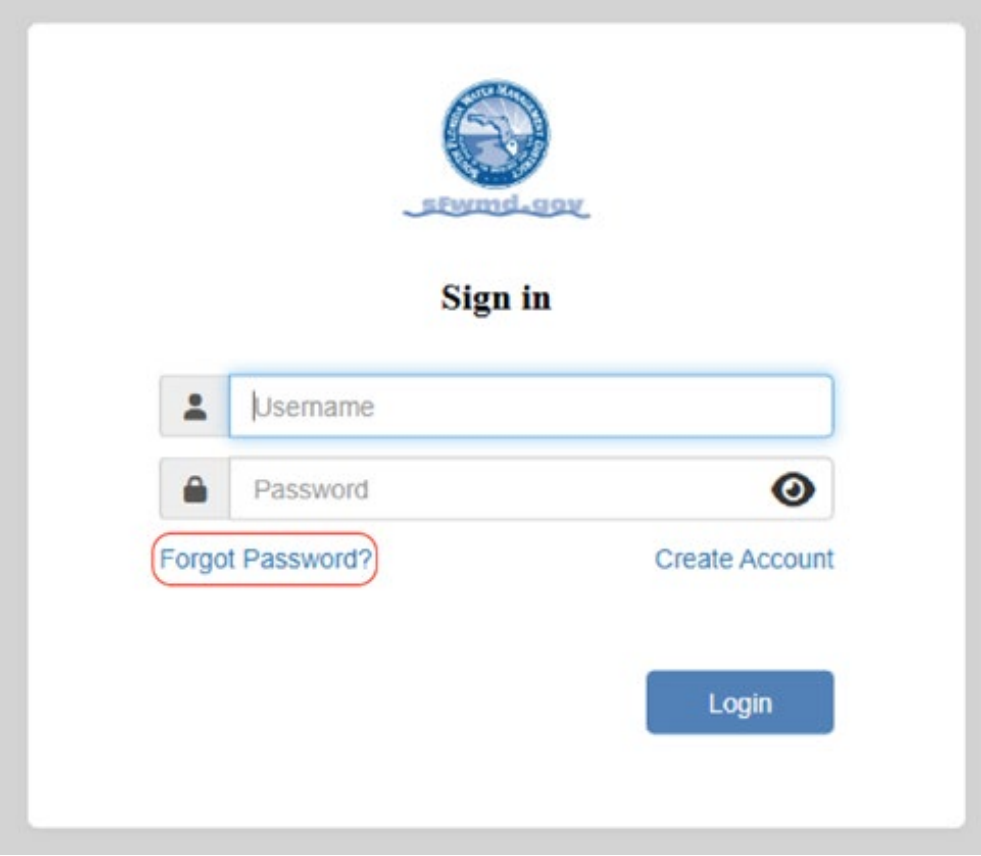
# Self-Registration Screen – New User:




- After you click Create, you will be sent a verification code in your email to complete your registration.
- Enter that verification code in the next screen shown here

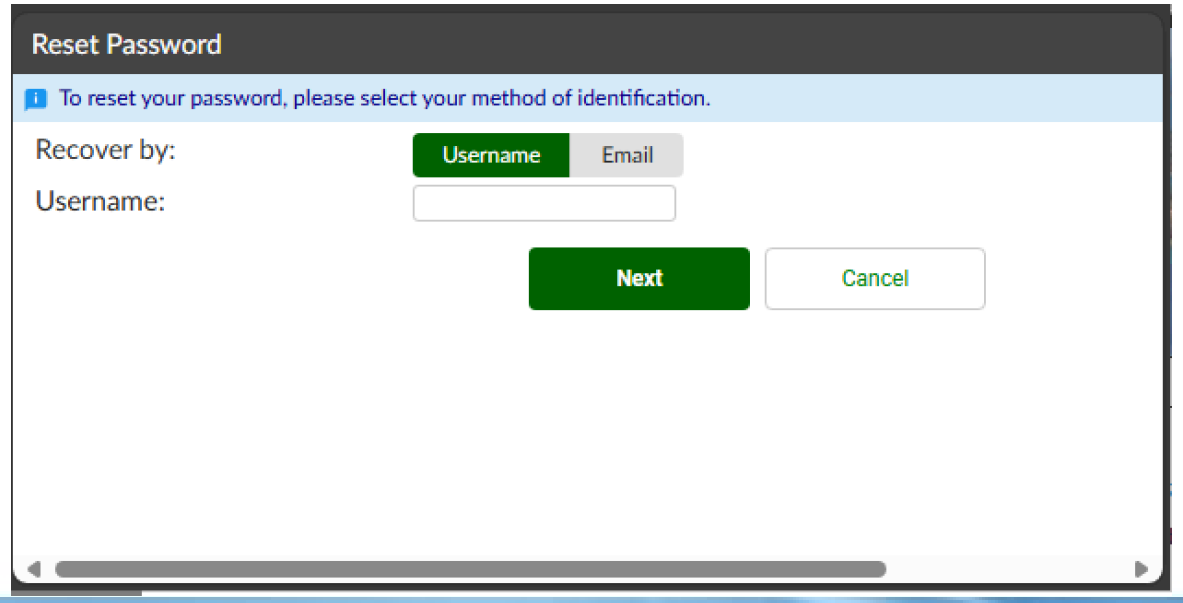
# Returning Users: Reset Password

- All returning users will need to reset their passwords using the forgot password link.

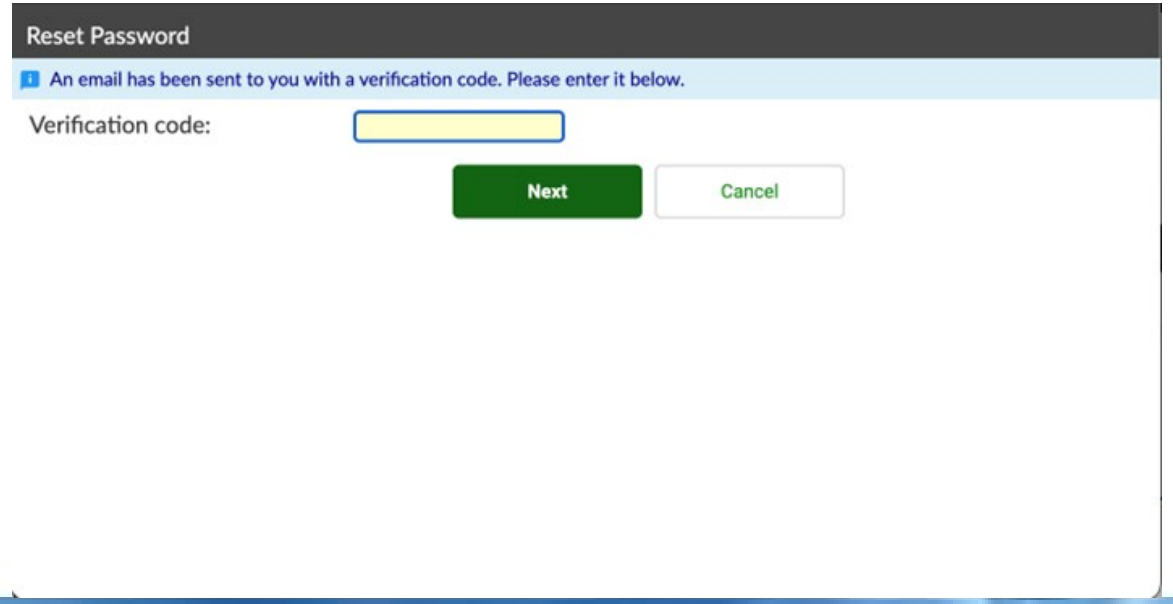


# Returning Users: Reset Password

- Enter your username (same as the email address you used to register for your account) and click Next.

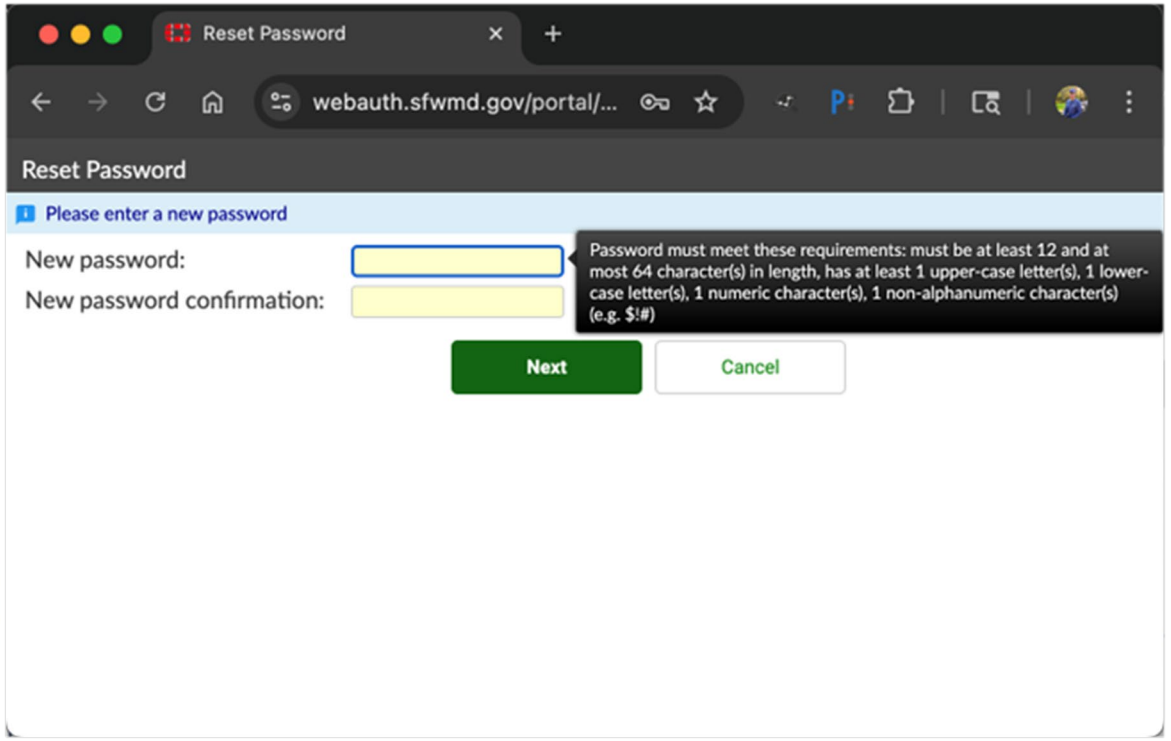



- You will be sent an email with a verification code. Enter that in the next screen. Click Next.

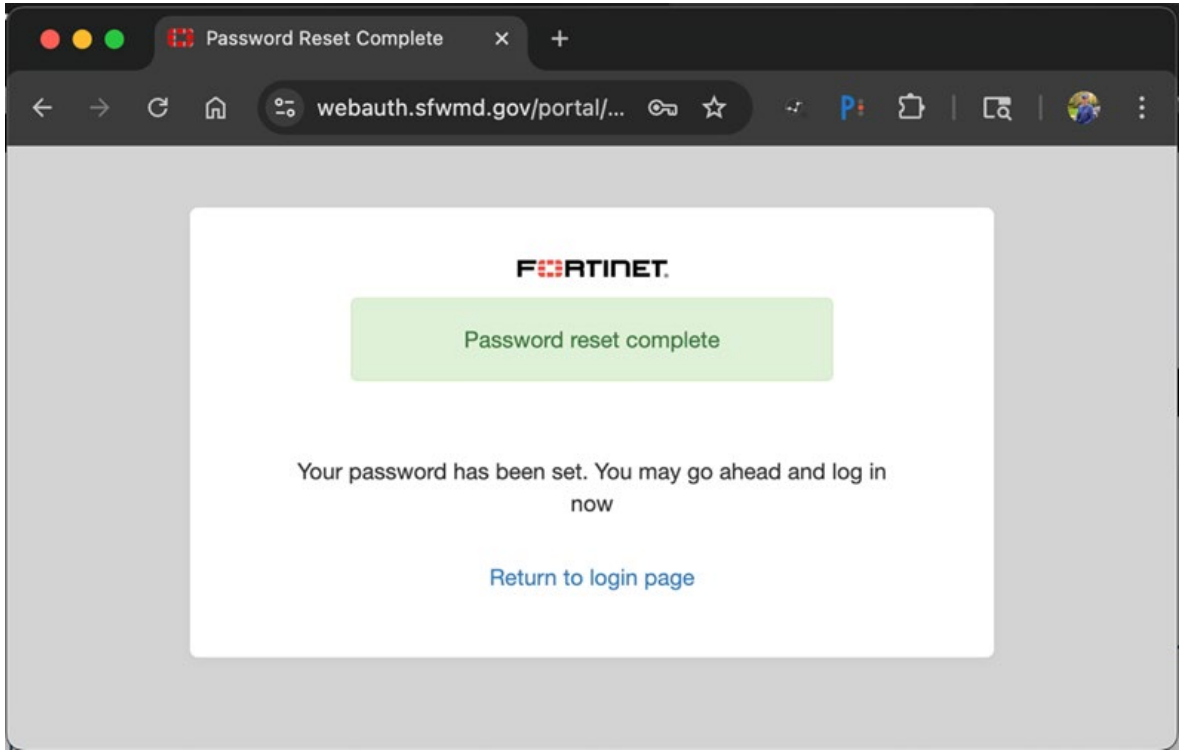


# Returning Users: Reset Password

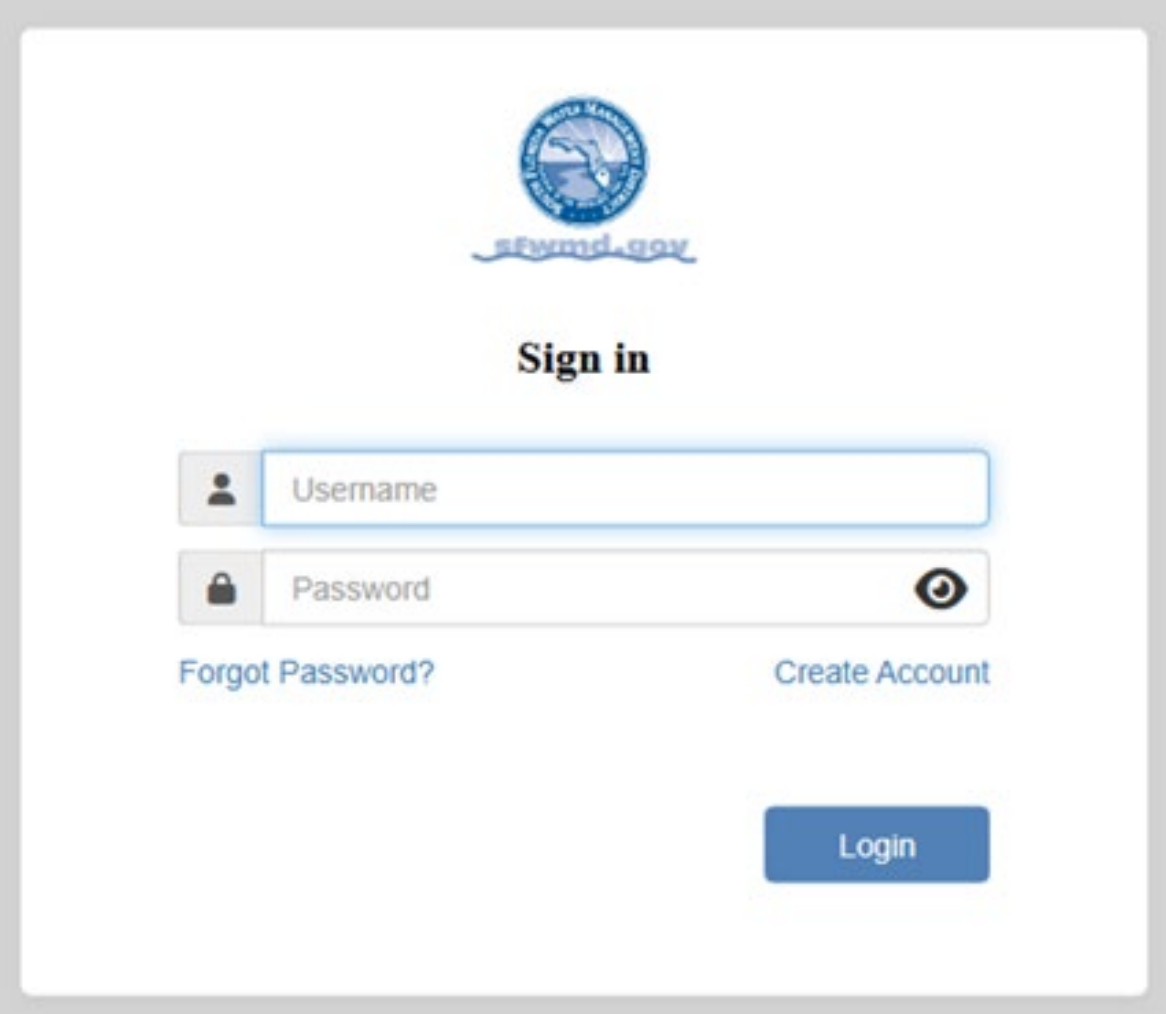
- Enter your new password on the next page.



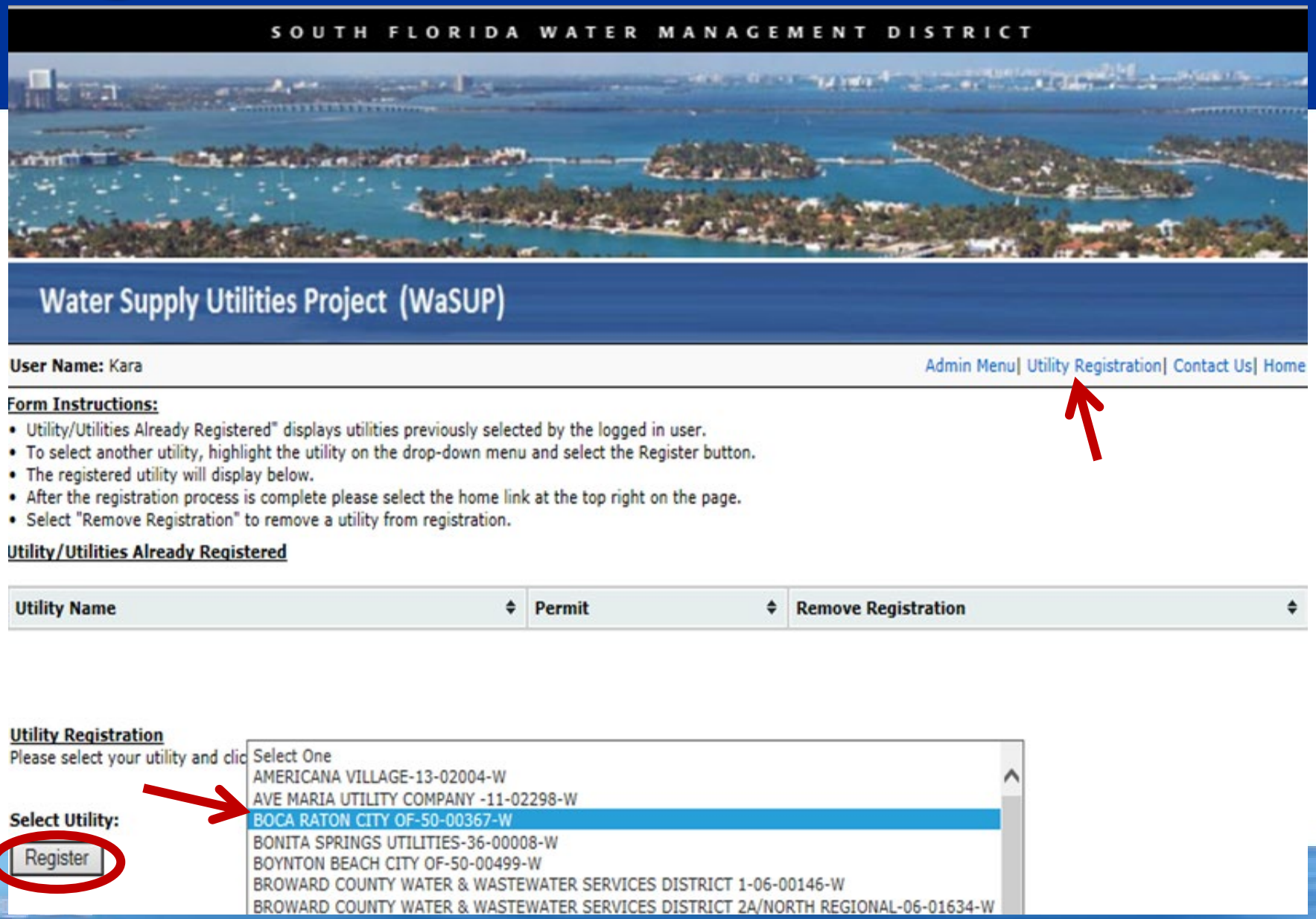

- You'll see a confirmation screen and receive a confirmation in your registered email account.



# WaSUP Login Screen:



# Utility Registration: New Users



# Data Entry/Review

## Water Supply Utilities Project (WaSUP)

**User Name:** Chad

Utility Registration| Contact Us| Home

**Welcome to the South Florida Water Management District's Automated Progress Report.**

The Water Supply Utilities Project (WaSUP) annual progress report provides the status of completed and planned water supply projects by public water supply utilities. As per state statute (Section 373.709(6), Florida Statutes), this report shall be completed by November 15 each year.

If this is the first time you are reaching the application, click "Utility Registration" from top right under banner for the utility you need to enter data for. If Utility is already registered, it will be shown in the box below. Once you are ready to review information, click "Edit".

As you navigate from page to page, enter new information or modify prior year's information about your utility. You can navigate between pages by clicking on the desired tab (Home, Characteristics, Contact, Service Map, Uniform Per Capita, Water Supply Projects or Conservation Projects) at the top of the page. If you need to exit the application before completing, the data you have entered will be saved for completion at a future date. There is a "View Report" capability on the "Home" screen which can be selected at any time which will show the information entered for your utility.

Instructions are included at the top of each screen to assist as you move through the on-line tool. The requested information has been streamlined, where possible, by providing project information from previous reports, as well as drop-down menus for standard responses. You can use the "Edit" buttons to make specific changes to existing project details, or add new projects to the report.

Selecting the "Submit" button on the last screen will indicate that you are finished with the report, and ready to send your utility's information to the District. You may print the copy of your responses, which will be shown in report form.

Select Edit below to begin entering your utility's data.

**Utilities List**

| UtilityName | Permit | DepId | Options | LastUpdated (per capita) | DateSubmitted |
|---|---|---|---|---|---|
| A.G. HOLLEY STATE HOSPITAL | 50-01092-W | | Edit \| View Rep. \|Submit Rep. | | Not Submitted |
| SEACOAST UTILITIES AUTHORITY | 50-00365-W | 4501124 | Edit \| View Rep. \|Submit Rep. | 10/16/2019 01:41:48 PM | Not Submitted |

# Data Entry: Name of Person Completing Form

https://appst.sfwmd.gov/wsup/utilitycharacteristics.action?action=view&pwsid=199&fiscalYear=2019&utilityName=FORT%20LAUDERDALE

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Water Supply Utilities Project (WaSUP)

**User Name:** Matthew

Admin Menu| Utility Registration| Contact Us| Home

Home > Person Submitting Report

**Water Supply Name:** FORT LAUDERDALE

**Next>>**

**Form Instructions:**

**Name of person entering online form**

- Enter name of person completing the online form
- Select "Save Person(s) Name" button at the bottom of the screen

**Select "Next" to navigate to the Next screen**

**Select "Home" to return to the Home screen**

***Name of Person(s) Completing Form:**

Save Person(s) Name

# Data Entry: Contact Information

**Consumptive Use Permit Number(s):** 50-00367-W
**DEP Id(s):** 4500130

**Contact List Table**

| Name | Contact Type | Title | Phone | Options |
|---|---|---|---|---|
| Chris Helfrich | Utility Director | Director | (561) 338-7303 | Edit \| Delete |
| Lisa Wilson-Davis | Alternate Contact | Operations & Environmental Compliance Manager | 561-338-7310 | Edit \| Delete |

**Add Contact:**
Note: Fields marked as * are required.

***Contact Type:** Select One

***Name:**

***Title:**

***Address Line 1:**

**Address Line 2:**

***City:**

***State:**

***Zip:**

***Telephone Number:**

***E-mail Address:**

Add Contact | Clear Form

# Data Entry: Area Served Map

## Water Supply Utilities Project (WaSUP)

**User Name:** Matthew

Admin Menu| Utility Registration| Contact Us| Home

Home > Person Submitting Report > Contacts > Area Served Map

Next>>

**Water Supply Name:** FORT LAUDERDALE

**Service Area Map:**

This map is the current GIS base map for your utility's service area. The map depicts current areas served by your utility. Please verify the map includes only areas currently served by your utility, excluding self-supplied areas and/or areas served bulk water by other utilities, and revise if necessary.

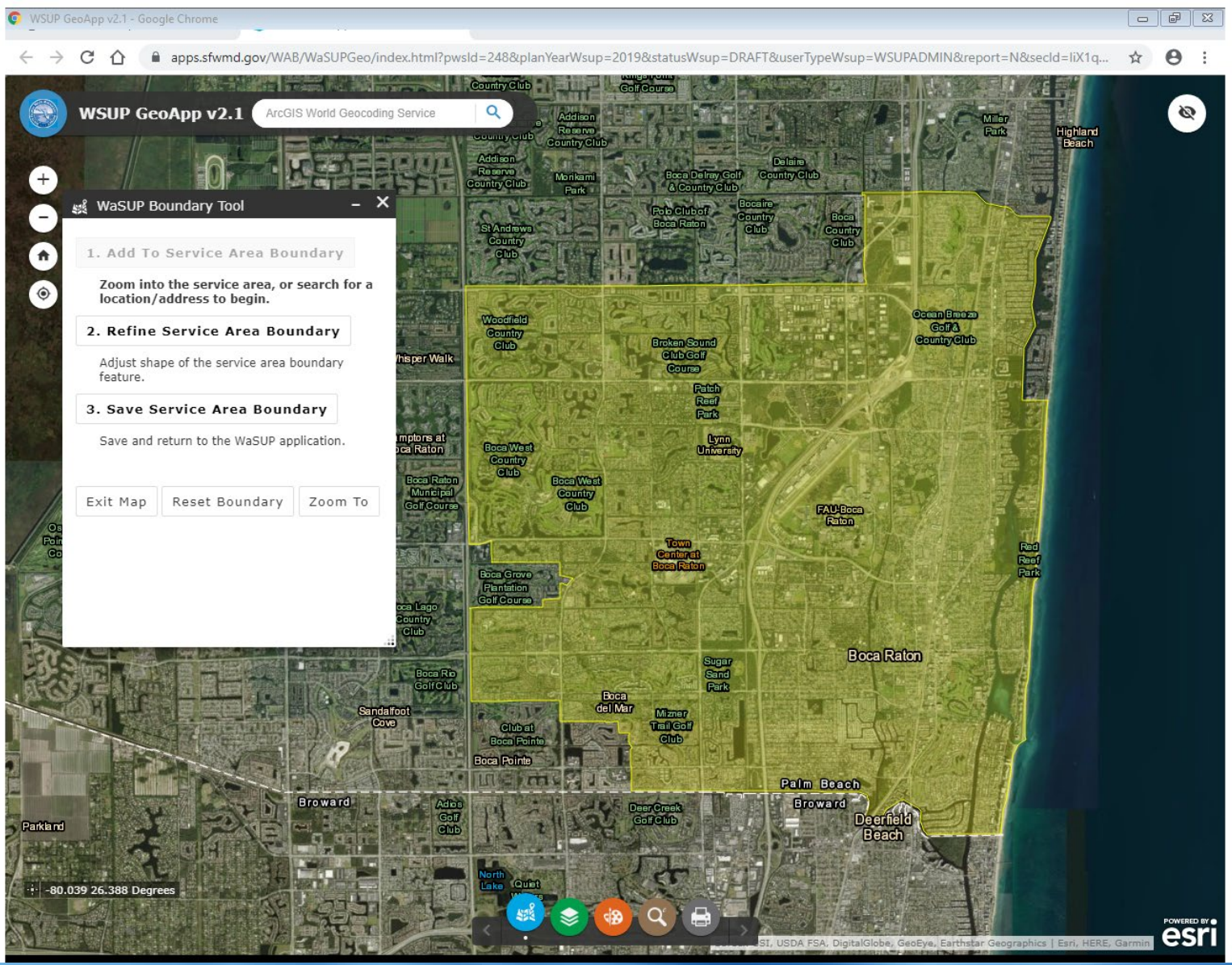
◉ **Draft** ○ **Final**

Access to Service Area Map

**Select "Next" to navigate to the Next screen**

**Select "Home" to return to the Home screen**

# Area Served


WSUP GeoApp v2.1 - Google Chrome
apps.sfwmd.gov/WAB/WaSUPGeo/index.html?pwsId=248&planYearWsup=2019&statusWsup=DRAFT&userTypeWsup=WSUPADMIN&report=N&secId=liX1q...
WSUP GeoApp v2.1
ArcGIS World Geocoding Service
WaSUP Boundary Tool
1. Add To Service Area Boundary
Zoom into the service area, or search for a location/address to begin.
2. Refine Service Area Boundary
Adjust shape of the service area boundary feature.
3. Save Service Area Boundary
Save and return to the WaSUP application.
Exit Map
Reset Boundary
Zoom To
Boca Raton
Palm Beach
Broward
Deerfield Beach
Highland Beach
Parkland
-80.039 26.388 Degrees
POWERED BY esri

# Uniform Residential Per Capita

**Water Use:**

In order to determine the uniform and residential per capita, we need to understand your utility's total water demands and the other users that are part of your customer base.

**Total Finished Water Produced:** Provide the Finished Water Produced in MGD at all facilities for the period Oct. 1, 2018 to September 30, 2019:

0.0 MGD(Million Gallons per Day)

**Bulk Sales:** Does your utility sell finished water in bulk to other utilities outside of your service area? (This should only be checked 'Yes' if your utility sells bulk water outside of service area to other utilities operating WTPs, not wholesale customers located within the service area) ◉ Yes ○ No

Select "No" - Table does not present on screen
Select "Yes"- Entry Table presents on-screen to be filled out
Select "Add New Entity and Water Sold Row" adds another row to the entry table
"Finished Water Sold" column automatically totals entries as they are added to table

Click Here to Add New Entity and Water Sold Row

| Entity | Finished Water Sold In 2019 Avg (MGD) | Delete |
|---|---|---|
| | | × |
| **Total Bulk Sales:** | 0 | |

**Bulk Purchases:** Does your utility buy finished water in bulk from other utilities? ○ Yes ◉ No

Select "No" - Table does not present on screen
Select "Yes"- Entry Table presents on-screen to be filled out
Select "Add New Entity and Water Sold Row" adds another row to the entry table
"Finished Water Sold" column automatically totals entries as they are added to table

**Total Finished Water Available for Distribution:** Total Finished Water Produced + Bulk Purchases - Bulk Sales in MGD:

0.00 (MGD)

**Raw Water Pumped:**

0.0 (MGD)

**Finished Water to Raw Water Ratio:**

**0.00**

# Uniform Residential Per Capita

**Utility Service Area Residential Population:** Population of your service area is calculated automatically as follows: enter the number of dwelling units (not connections) served by the utility and the estimated number of persons per household. If number of dwelling units is not known, enter the total population. Note: the estimate of persons per household should be determined using Census block data at the service area level.

**Utility Service Area Permanent (Non-seasonal) Residential Population**

Population details by Dwelling Unit (preferred) ○ Yes ◉ Dwelling Units not known

Permant Residential Population: 0.0

**Uniform Gross Per Capita:**

**0.00** Gallons per Day

**Total Residential Finished Water:**

To determine Total Residential Finished Water, enter either the % of Total Finished Water Available for Distribution that is Residential or the actual amount (if known) in MGD:

Select the Total Residential Finished Water entry type: ◉ Total Amount ○ % of total Finished Water

Total Amount: 0.0 MGD

**Uniform Residential Per Capita:**

Is calculated as follows: Total Residential Finished Water Use divided by population

0.00
**Gallons per Day**

Save

# Uniform Residential Per Capita

**Uniform Residential Per Capita:**

Is calculated as follows: Total Residential Finished Water Use divided by population

0.00
**Gallons per Day**

Save

# Water Supply Projects

**Water Supply Name:** BOCA RATON CITY OF

**Form Instructions:**

Details regarding the existing Water Supply Projects from prior years is displayed in the table (if applicable).

- To edit project data – select "Edit" then scroll down to make any changes. After changes have been entered, select "Update Project" and changes will be made in the table
- To complete process, click on "Status Verified" under the Action column to confirm project information was reviewed.

**Add Project**

- Go to the "Add Project" section under the table. Enter the information and select "Add Project".
- The new project details will be included in the table.
- To complete process, click on "Status Verified" under the Action column to confirm project information was reviewed.

**Select "Next" to navigate to the Next screen**

**Select "Home" to return to the Home screen**

**Water Supply Projects-Data Entry Screens**

Select project to view detail or edit below.

**Project List Table**

| Project Name | Project Type | Water Source | Capacity | Capital Costs | Status | Action |
|---|---|---|---|---|---|---|
| Recycling of Membrane Concentrate for Reuse Water | Alternative | Reclaimed | 4.25 | 1,737,016 | completed | Edit \| Status Verified |
| Reclaimed Water Distribution Expansion | Alternative | Reclaimed | 1 | 0 | planned | Edit \| Status Verified |

**Add Project:**

Note: Fields marked as * are required.

***Project Name:**

***Type of Project:** Alternative

**Project Description:**
(Limit To 300 characters)

***Capital Costs:** $ 0 (ex: 9,999,999)

*"Capital costs" includes planning, design, engineering, and project construction costs.*

***Source of Water for Project:** Select one

**If an ASR project, select source of water:** Select one

***Project Design Capacity:** (MGD) (ex 9,99,999.99)

***Project Status:**
(select one of the following) Select One

**Project Status Comments:**
(Limit To 300 characters)

Add Project | Clear Form

# Conservation Projects

Click Home to view Report

Submit

**Water Supply Name:** BOCA RATON CITY OF

**Form Instructions:**

Details regarding the existing Conservation Projects from prior years is displayed in the table (if applicable).

- To clear the form while updating or adding project, select "Clear Form".
- To complete the process, verify the status of each project below.

When all information is entered select **"Submit"**. To view a report, select **"Home"**.

**Conservation Projects Section**

Is your utility planning or working on any conservation projects using hardware or technology? (•) Yes ( ) No

If Yes, Project List Table is shown below. The information is pre-populated from previous year's entries.

Select project from table to view or edit project detail.

**Projects List Table**

| Project Name | SIP | Anticipated Savings (MGY) | Status | Capital Costs | Options |
|---|---|---|---|---|---|
| AMI Metering | N | 255.0 | underway | 5,000,000 | Edit \| Status Verified |

**Add Project:**

Note: Fields marked as * are required.

***Project Name:**

**Water Savings Incentive (SIP) Funds used?** ( ) Yes ( ) No

**Project Description:**

***Capital Costs:** $ 0

*"Capital costs" includes planning, design, engineering, and project construction costs.*

***Project Status:** Select One

**Project Status Comments:**

Add Project | Clear Form

# SFWMD Contact Info

- **Matt Stahley**

  Mastahle@sfwmd.gov

  (561) 682-2088

- **Chad Brcka**

  cbrcka@sfwmd.gov

  (561) 682-2816

# Links

## WaSUP Application URLs

- **Application Login**

**To login to the WSUP application, go to:**

https://wsup.sfwmd.gov/

- **Self Registration and Self Service**

**To register for an account, reset password use the self-registration URL:**

https://webauth.sfwmd.gov/portal/selfservice/ssp_wsup/

Questions??