



Everglades West Coast Basin Management Action Plan (BMAP) Annual Meeting

Via Webinar

Webinar Registration Link:

<https://attendee.gotowebinar.com/register/8910167807692451160>

*April 28, 2026
10 AM EDT*

Agenda

- Everglades West Coast Basin Management Action Plan (BMAP) Background.
- Statewide Annual Report and Reduction Progress for Everglades West Coast BMAP.
- Programmatic Updates.
- Department of Agriculture and Consumer Services (DACS) Updates
- Look Ahead and Resources.

Please note the site for documents relating to the Everglades West Coast BMAP:

[BMAP Public Meetings | Florida Department of Environmental Protection](#)

For more information on the Everglades West Coast BMAP, contact: Evelyn Becerra, 850-245-8547.

Evelyn.Becerra@FloridaDEP.gov



WEBINAR HOUSEKEEPING

Attendee Participation

Open your control panel.

Join audio:

- Choose Computer Audio **or**
- Choose Phone Call and dial using the information provided with your registration

Attendee audio will automatically be muted.

Submit questions and comments via the **Questions** panel.

If viewing this webinar as a group, please provide a list of attendees via the **Questions** panel.

Note: Today's presentation is being recorded and will be provided after the webinar.

A screenshot of the GoToWebinar control panel. The window title is "File View Help". The "Audio" section is expanded, showing "Computer audio" and "Phone call" options. The "Phone call" option is selected, indicated by a red arrow. Below the audio options, there is a "MUTED" indicator and a volume slider. The "Questions" section is also expanded, showing a text input field with the placeholder "[Enter a question for staff]" and a "Send" button. The text "(Example Only)" is overlaid in red on the "Send" button. At the bottom of the control panel, it displays "Webinar Housekeeping" and "Webinar ID: 608-865-371". The GoToWebinar logo is at the very bottom.



EVERGLADES WEST COAST BASIN MANAGEMENT ACTION PLAN (BMAP) ANNUAL MEETING

Evelyn Becerra

Water Quality Restoration Program
Division of Environmental Assessment and Restoration
Florida Department of Environmental Protection

GoTo Webinar | April 28, 2026



AGENDA

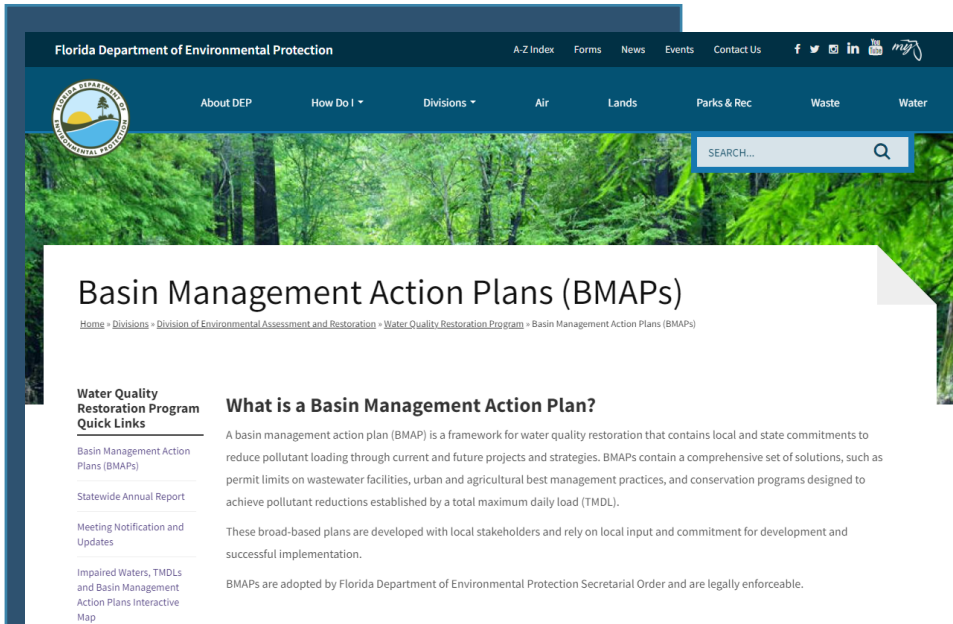
- Everglades West Coast BMAP Background.
- Statewide Annual Report (STAR) and Reduction Progress for the Everglades West Coast BMAP.
- Programmatic Updates.
- Florida Department of Agriculture and Consumer Services (FDACS) Updates.
- Look Ahead and Resources.



Source: DEP



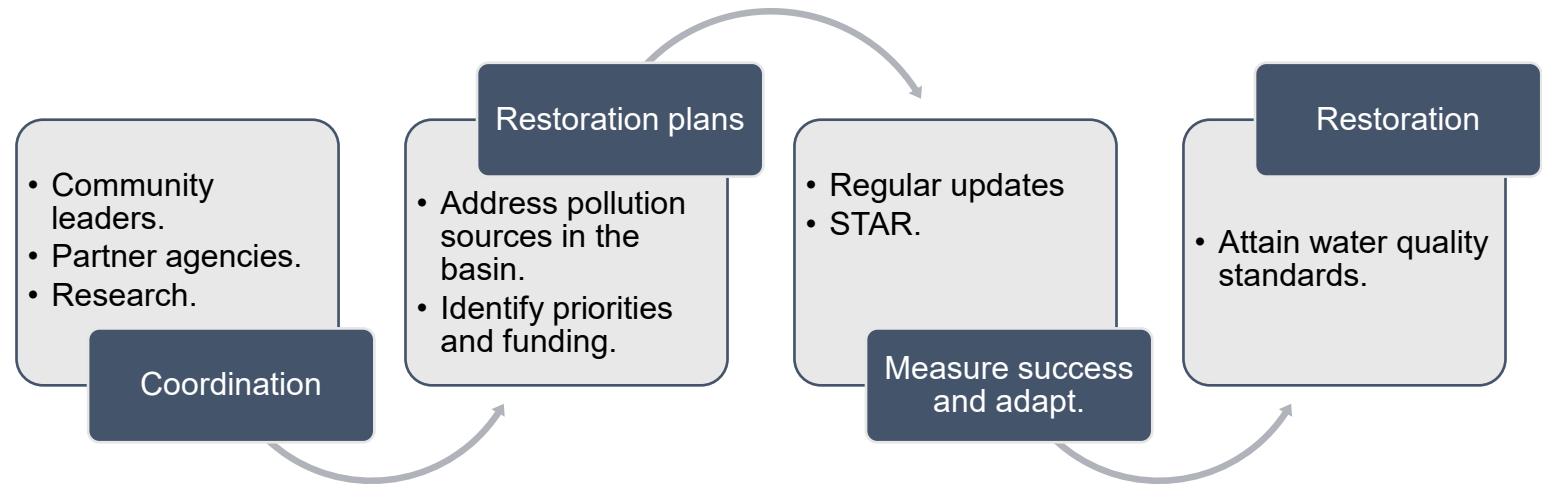
BMAP BACKGROUND



One of DEP's methods for restoring water quality in an impaired waterbody.

BMAPs are:

- Developed with stakeholder input.
- Adopted by the Florida Department of Environmental Protection's (DEP) Secretarial Order.
- Enforceable.
- Implemented through a phased approach.
- Reported on annually.
- Updated regularly.





KEY BMAP COMPONENTS

- Total maximum daily loads (TMDLs) being addressed.
- Area addressed by the restoration plan.
- Identify sources.
- Phased implementation approach.
- Milestones.
- Projects and management strategies.
- Future growth impacts.

Projects to meet the TMDL:

- Implementation timeline.
- Commitment to projects.
- Expected water quality improvement from projects and management strategies.

Process to assess progress toward achieving the TMDL:

- Monitoring plan.
- Project reporting.
- Periodic follow-up meetings.
- Water quality analyses.



EVERGLADES WEST COAST BMAP BACKGROUND

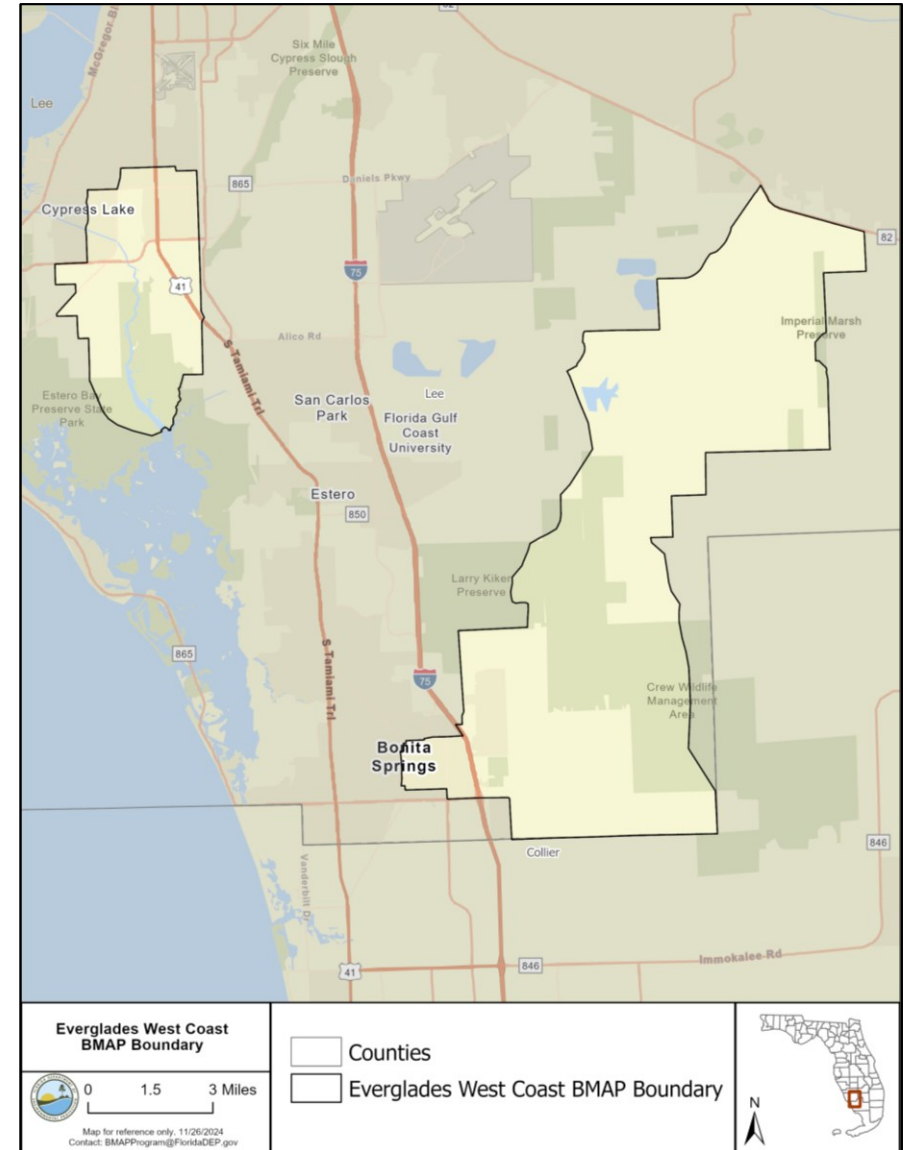
Everglades Total Maximum Daily Loads (TMDLs):

Hendry Creek and Imperial River

- Adopted in 2008
 - Dissolved oxygen (DO) impairments.
 - Total Nitrogen (TN) reductions.
- Target concentration 0.74 milligrams per liter (mg/L) TN.

2025 BMAP:

- Updated June 2025.
- Effective November 2025.





EVERGLADES WEST COAST BMAP

STAKEHOLDERS

Type of Organization/Entity	Name
Responsible Entities	Agriculture Lee County City of Bonita Springs Catalina at Winkler Preserve Community Development District (CDD) Corkscrew Farms CDD Laguna Lakes CDD
Responsible Agencies	County Health Departments DACS DEP Florida Department of Transportation (DOT) District 1 South Florida Water Management District (SFWMD)



STAR OVERVIEW

The Statewide Annual Report 2024

The state of Florida is prioritizing the protection and restoration of our waterways by implementing sound, science-based solutions to current and future environmental challenges. Under the leadership of Governor Ron DeSantis, the Florida Department of Environmental Protection (DEP) is working with local, state and federal partners on short- and long-term strategies to protect water quality and quantity, including investment in long-term restoration projects. DEP has prepared the 2024 Statewide Annual Report (STAR) to detail the status of many of these strategies in an interactive application format, which is best viewed on a desktop computer screen using Google Chrome or Microsoft Edge. This application does not scale well on mobile devices and is optimized for viewing on larger format screens.

As required by section 403.0675, Florida Statutes, and to report on additional restoration efforts, this report updates the status of protection and restoration actions through total maximum daily loads (TMDLs); basin



Total Maximum Daily Loads	Basin Management Action Plans	Alternative Restoration Plans	Minimum Flows and Water Levels	Recovery and Prevention Strategies	Contacts and Project Data
					

<https://floridadep.gov/STAR>



STAR OVERVIEW

What is the STAR?

- Summarizes accomplishments in the BMAPs statewide.
- Reports on restoration projects and management strategies.
- Published July 1 of each year.
- Currently in the process of project updates and verification for STAR 2025.
 - Projects reported through Dec. 31, 2025.

Florida Department of Environmental Protection Statewide Annual Report 2024
Basin Management Action Plans

Introduction	Total Maximum Daily Loads	Basin Management Action Plans	Alternative Restoration Plans	Minimum Flows & Water Levels	Recovery & Prevention Strategies	Contacts & Project Data
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How to Use This Report | What Is the STAR? | Reductions & Legislation | What Are Nutrients? | What Are FIB? | What Are BMAP Projects?

Nutrient BMAPs | Fecal Indicator Bacteria BMAPs | BMAP Projects | Project Table

Chassahowitzka-Homosassa Springs
DeLeon Spring
Everglades West Coast
Gemini Springs
Jackson Blue Spring
Kings Bay and Crystal River Springs
Lake Harney, Lake Monroe, Middle St. Johns River, and Smith Canal
Lake Jesup

Click on a point to find out more information on a specific project. Or click on the Contacts and Project Data card above for a full project list.

Adopted BMAP Projects STAR 2024

- Stormwater
- Wastewater
- Agriculture
- In Waterbody

5 mi | Esri, NASA, NGA, USGS | University of South... Powered by Esri

Everglades West Coast TN Reductions Achieved by Completed and Ongoing Projects as of December 31, 2024

Wastewater | Load Tracking | Stormwater | Agriculture

Units are in pounds per year.

Nitrogen Reduction | Phosphorus Reduction

<https://floridadep.gov/STAR>



STAR PROJECT COLLECTION

- Notify your BMAP coordinator if changes in access to project list are needed.

A screenshot of the DEAR Restoration Project Collection Portal. The page has a blue header with the Florida Department of Environmental Protection logo on the left, "DEP BUSINESS PORTAL" in the center, and "DEAR RESTORATION PROJECT COLLECTION PORTAL" on the right. Below the header, there is a navigation bar with "Workflow" (selected), "Data Services", "Module Administration", and "Source Tables". A "Project Workbook" button is highlighted with a mouse cursor. In the top right corner, there is a user greeting: "Welcome, Evelyn Becerra [Roles: Coordinator]" and a session timeout notice: "Your Session will time out in 059 minutes. Sign Out". A "Home" link is also visible. The main content area displays the text: "Welcome to the DEAR Restoration Project Collection Portal".

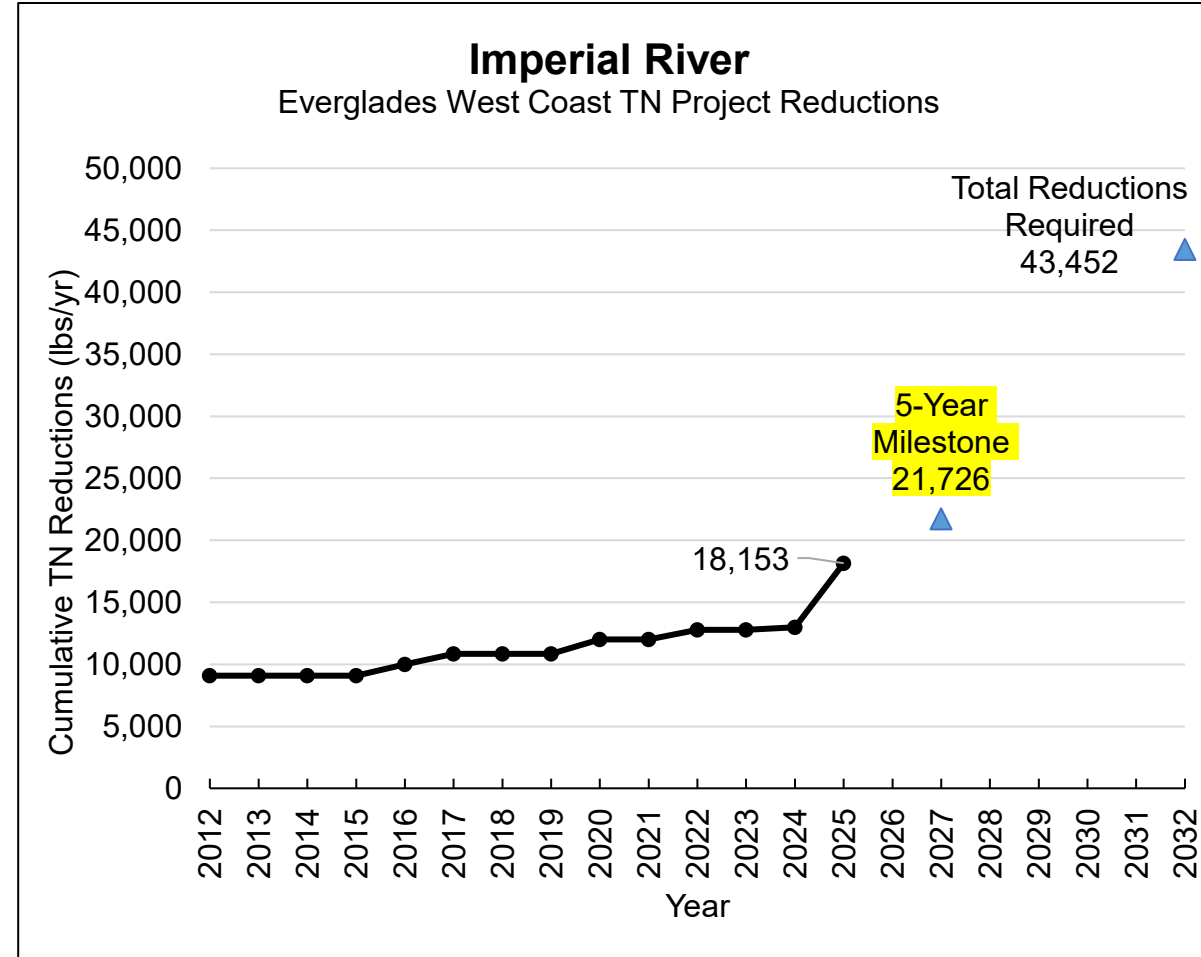
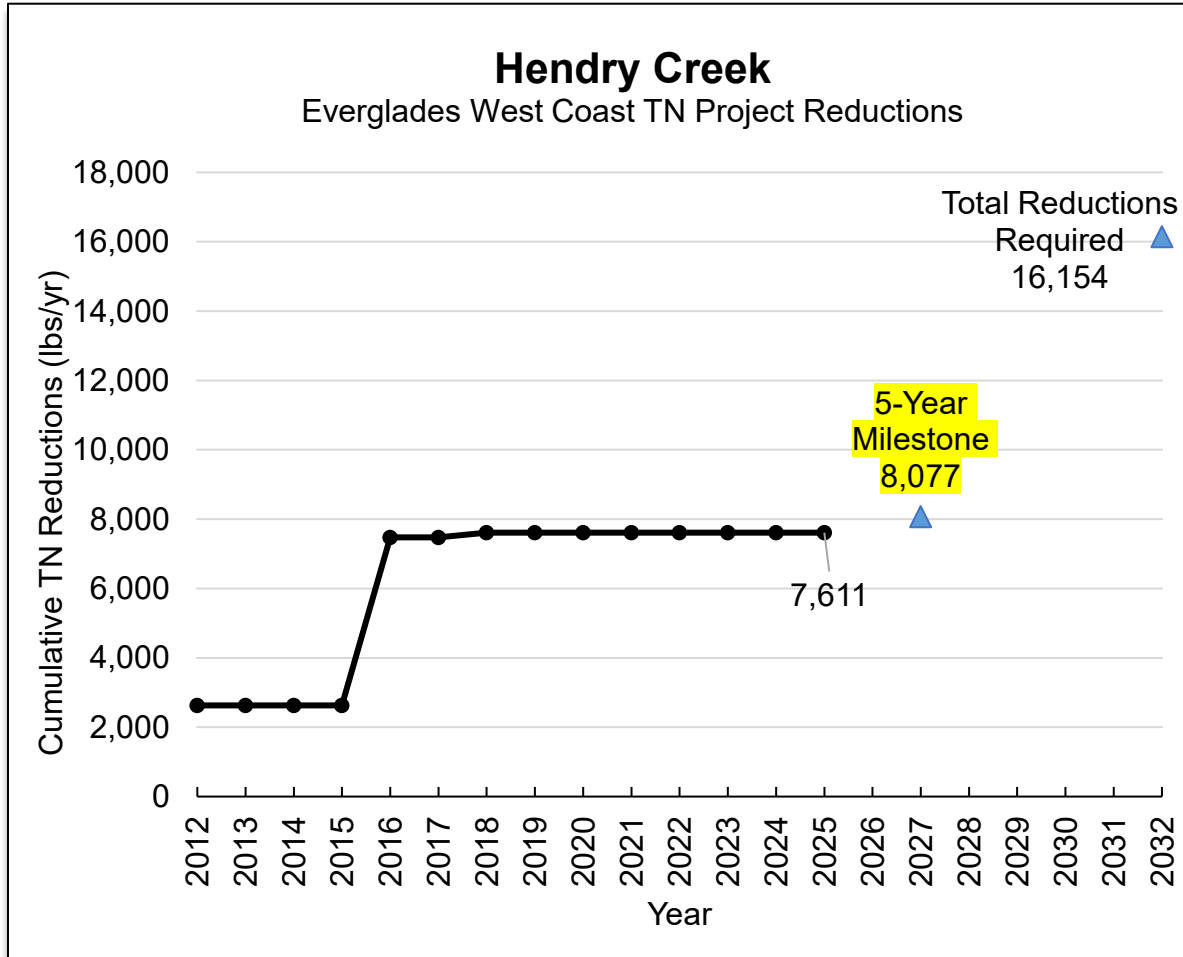


STAR PROGRESS

PRELIMINARY 2025 STAR UPDATES

TN Reductions Achieved by Basin through Dec. 31, 2025

Completed and ongoing projects only



lbs/yr = pounds/yr



STAR PROGRESS

PRELIMINARY 2025 STAR UPDATES

Projects through Dec. 31, 2025

Lead Entity	Completed	Ongoing	Planned	Underway	Total	% towards 2027 Milestone Hendry Creek	% towards 2027 Milestone Imperial River
City of Bonita Springs	10	3	0	2	15	NA	61%
Catalina at Winkler Preserve CDD	0	0	0	0	0	0%	NA
Corkscrew Farms CDD	0	0	0	0	0	NA	0%
DACS	2	2	2	0	6	0%	86%
DOT District 1	8	4	0	0	12	100%	100%
Lee County	12	4	4	1	21	98%	100%
Laguna Lakes CDD	1	1	1	0	3	0%	NA
Grand Total	33	14	7	3	57		

NA = Not Applicable

New BMAP entities may still be working towards adding projects to the BMAP



STATEWIDE ANNUAL REPORT (STAR)

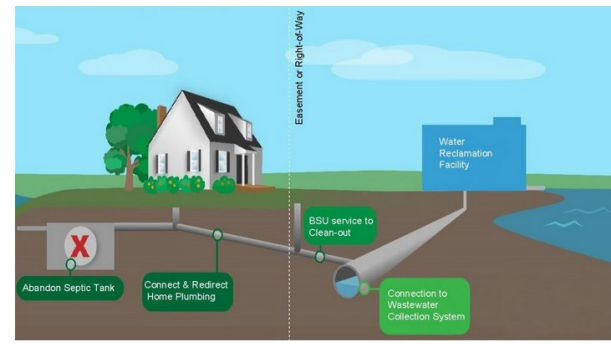
PROJECT SHOWCASE

Project Updates

- Lee County- Lakes Park Phase III
 - Third in a series of water quality projects at Lakes Park to be completed 2026.
- City of Bonita Springs - Septic to Sewer Phase 2
 - OSTDS conversions in two neighborhoods underway.
- Laguna Lakes CDD- Education Efforts
 - Ongoing education efforts submitted as a new project.

Sans Souci: Septic to Sewer Expansion

BSU and the City of Bonita Springs are working together to expand the wastewater collection/central sewer system in the Lakes of Sans Souci neighborhood. This expansion includes the installation of gravity sewer mains, sanitary sewer manholes, service lines, and clean outs. Existing septic systems will be abandoned and homes will be connected to BSU's central sewer system.



City of Bonita Springs

Laguna Lakes Community Development District

Irrigation Hotline

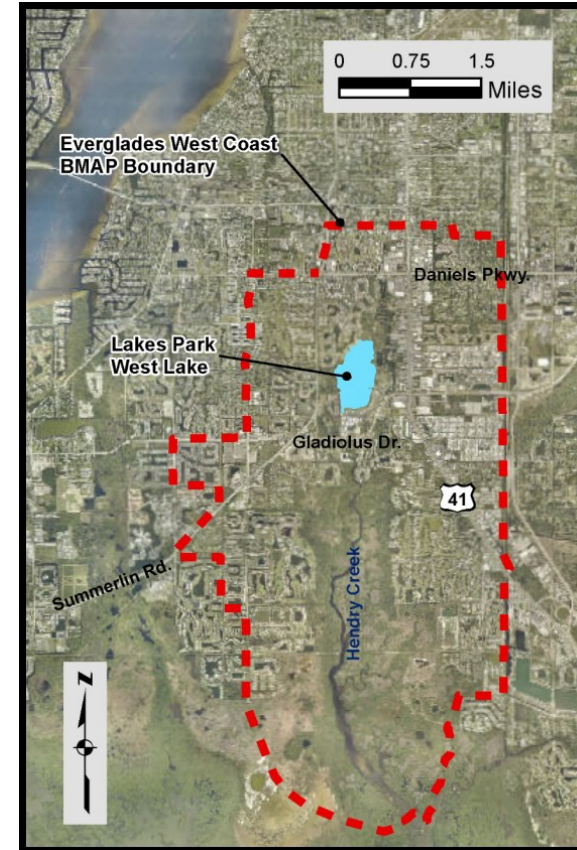
(239) 426-7006

If you have any concerns about irrigation issues in your yard or within the Laguna Lakes community, please call the Irrigation Hotline. This automated phone system collects a brief description of each issue, and the message will be distributed to the appropriate party to create a work order. Irrigation emergencies reported after business hours will be forwarded to the on-call contractor. For emergencies, please expect service within 24 hours. For non-emergencies, work orders may be addressed within one – two weeks.

Irrigation Calendars

The Laguna Lakes irrigation system is currently managed by a professional water management firm to use real time

Laguna Lakes CDD



Lee County



POLICY & REPORTING REMINDERS

Source	Topic	Requirement
Wastewater	Wastewater Effluent Limits	Where the law does not provide effluent limits or a compliance timeframe, new effluent standards will take effect at the time of permit renewal or no later than five years after BMAP adoption , whichever is sooner. Tables 22 and 23 in the BMAP document.
Wastewater	Connection to Sewer	Beginning February 2026 and every two years thereafter , utilities with sewer lines in BMAPs must provide DEP a list of properties with existing OSTDS where sewer is available (as defined in 381.0065, F.S.) but have not connected.
Agriculture	Concentrated animal feeding operations (CAFOs) - Dairies	To minimize infiltration of liquid manure, if a dairy uses a clay liner or some other type of engineered waste storage pond system, within two years of BMAP adoption , the dairy must submit to DEP an evaluation identifying the environmental, technical, and economic feasibility of upgrading to a concrete or geosynthetic liner.



Golf Course Requirements

Date	Requirement for <u>Public</u> Golf Courses	Requirement for <u>Private</u> Golf Courses
Nov. 27, 2026	Draft Nutrient Management Plan (NMP) Due	Draft NMP Due
Dec. 31, 2026	Superintendents must have completed their University of Florida Institute of Food and Agricultural Sciences (UF/IFAS) Golf Course Best Management Practices Program Certification	-
Nov. 27, 2027	Final NMP Due	Final NMP Due
Mid-November to Mid-January Annually	Annual reporting during STAR. Beginning November 2028.	Annual reporting during STAR. Beginning November 2028.

Everglades West Coast BMAP Annual Meeting

April 28, 2026

Jennifer Thera

Florida Department of Agriculture and Consumer Services

Office of Agricultural Water Policy



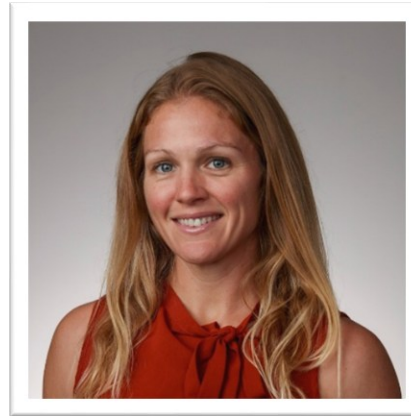
Florida Department of Agriculture and Consumer Services

Office of Agricultural Water Policy (OAWP) Team



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OAWP Team: Policy Planning and Coordination



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Bureau Chief

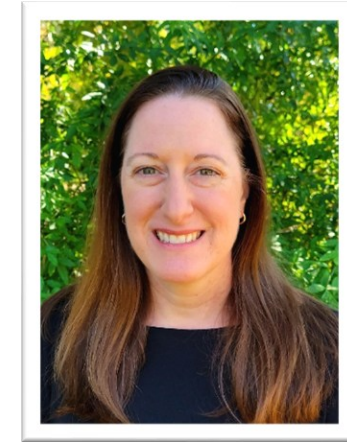
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Jennifer Thera

NEPP Coordinator

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Mission

Implement strategies that protect Florida's water resources while promoting the sustainability of agriculture.



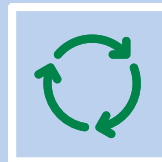
Strategic Goals



Expand and enhance agricultural Best Management Practice (BMP) implementation.



Ensure the availability of an adequate and sustainable agricultural water supply.



Manage cost share programs that support agricultural non-point source BMP implementation and water resource protection projects.

BMP Manuals

OAWP recently updated 9 manuals and adopted a 10th, new manual for Small Farms and Specialty Livestock



Manual	Last Updated	Stage	Dates
Sod	2008	Rule Effective	November 12, 2024
Cattle	2009	Rule Effective	December 22, 2024
Procedures	2021	Rule Effective	October 30, 2024
Small Farms and Specialty Livestock	New!	Rule Effective	February 23, 2025
Specialty Fruit and Nut	2011	Rule Effective	February 24, 2025
Citrus	2013	Rule Effective	March 4, 2025
Nursery	2014	Rule Effective	March 12, 2025
Vegetable and Agronomic Crop	2015	Rule Effective	February 27, 2025
Poultry	2016	Rule Effective	February 13, 2025
Dairy	2016	Rule Effective	March 5, 2025
Equine	2012	Rule Effective	March 12, 2025

<https://www.fdacs.gov/Divisions-Offices/Agricultural-Water-Policy/Rule-Development-Activities>

Producer Options in BMAP Areas

1. Enroll in our BMP Program and properly implement applicable BMPs for presumption of compliance, OR
2. Follow an FDEP or WMD-prescribed water quality monitoring plan at a producer's expense



Enrollments within the Everglades West Coast BMAP

Tributary	Total Ag Acres	Enrolled Ag Acres	% Enrolled	Irrigated Acres	Enrolled Irrigated Acres	% Enrolled
Hendry Creek	88	0	0%	47	0	0%
Imperial River	6,852	4,318	63%	2,719	2,695	99%

FDACS BMP Program enrollment as of Dec 2025 and the Draft 13th [FSAID](#) Geodatabase



Agricultural Acres Enrolled within Everglades West Coast BMAP

BMP Manual	Acres
Cattle	9
Multiple Commodities	593
Nursery	4
Vegetable & Agronomic Crop	3,713
TOTAL	4,318



2025 FDACS Legislative Annual Report – Available July 1

<http://www.fdacs.gov/Divisions-Offices/Agricultural-Water-Policy>



Florida Department of Agriculture and Consumer Services
Office of Agricultural Water Policy



Status of Implementation of Agricultural Nonpoint Source Best Management Practices

July 1, 2026

Report to the Governor, the President of the Senate, and the Speaker of the House
Pursuant to Section 403.0675(2), F.S.

Publication No: FDACS-P-01924 Rev. 07/26

1

Thank You!

<http://www.fdacs.gov/Divisions-Offices/Agricultural-Water-Policy>

Jennifer Thera, Environmental Consultant
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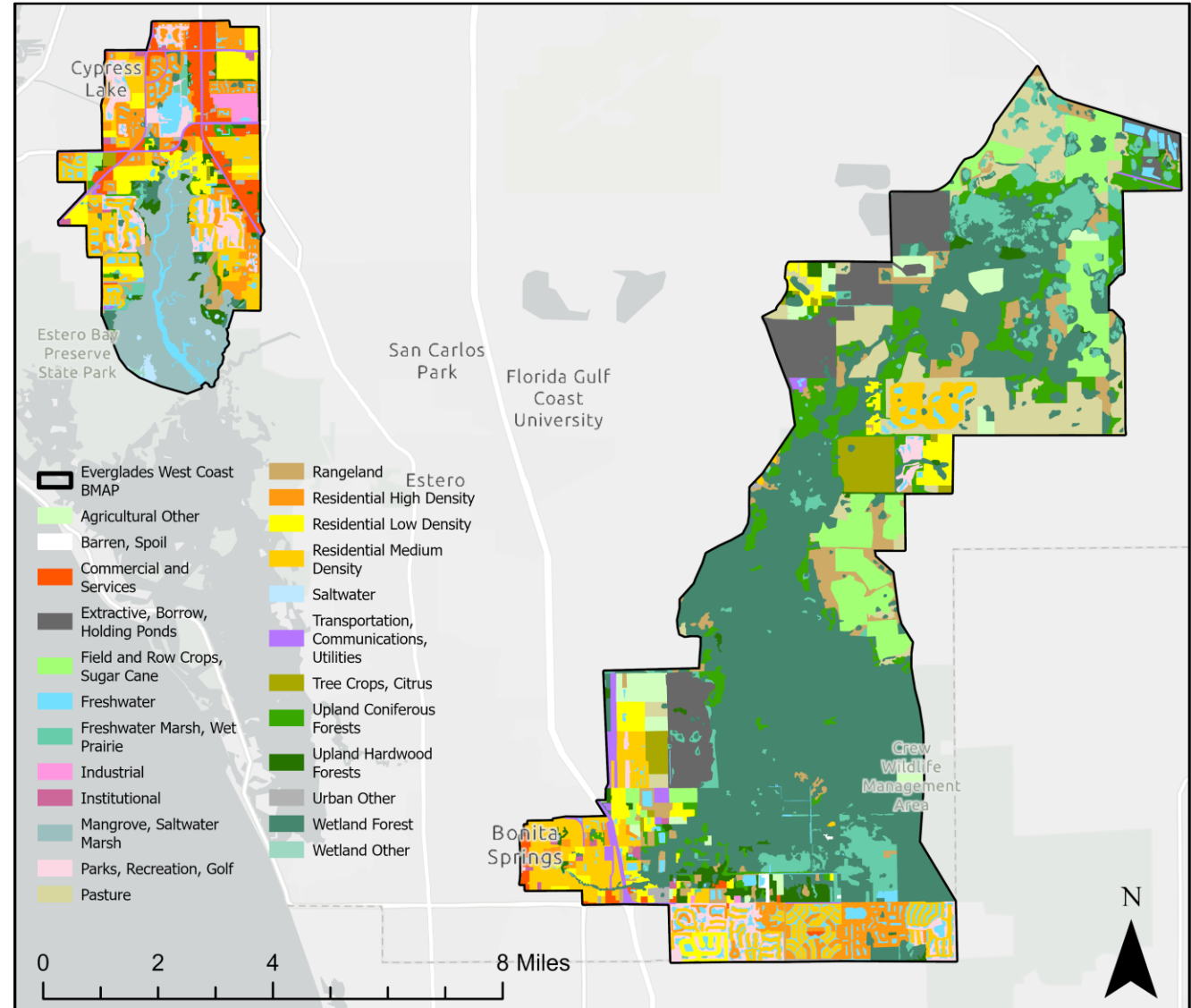
LOOKING AHEAD

BMAP UPDATES

- Updating the land use with SFWMD Land Cover Land Use 2021-2023.
- Requested feedback for entity jurisdictions in March.

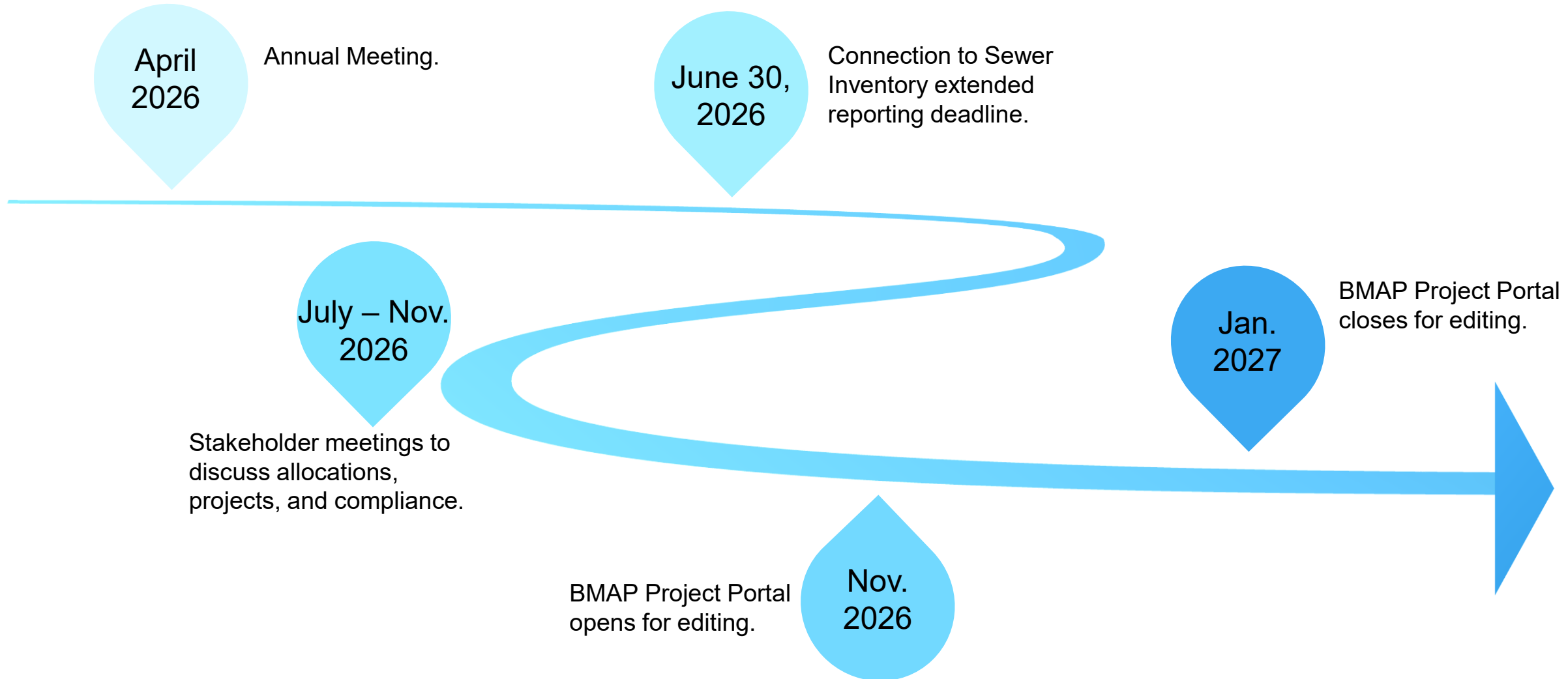
Next steps

- Updating allocations.
- Meeting with stakeholders.





LOOKING AHEAD





RESOURCES

BMAP WEBSITE AND STORYMAPS

Basin Management Action Plans (BMAPs)

[Home](#) » [Divisions](#) » [Division of Environmental Assessment and Restoration](#) » [Water Quality Restoration Program](#) » Basin Management Action Plans (BMAPs)

Water Quality Restoration Program Quick Links

[Basin Management Action Plans \(BMAPs\)](#)

[Statewide Annual Report](#)

[Water Quality Grant Opportunities 2024-25](#)

[BMAP Public Meetings](#)

[Impaired Waters, TMDLs and Basin Management Action Plans Interactive Map](#)

[Tools and Guidance for Calculating Total Nitrogen \(TN\) and Total Phosphorus \(TP\) Reductions](#)

[Florida Water Quality Credit Trading](#)

What is a Basin Management Action Plan?

A BMAP is a framework for water quality restoration that contains a comprehensive set of solutions to achieve the pollutant reductions established by a TMDL. Examples include permit limits on regulated facilities, urban and agricultural wastewater and stormwater infrastructure, regional projects and conservation programs designed and established by a TMDL. A BMAP is developed with local stakeholders and relies on local input for implementation. BMAPs are adopted by Secretarial Order and are legally enforceable. BMAPs allow for incremental load reductions through the implementation of projects and monitoring and conducting studies to better understand the water quality and hydrologic dynamics. DEP continues to work with local and regional projects necessary to meet reduction milestones to achieve the TMDLs and inform funding priorities.

What's New: Upcoming Meetings and BMAP Updates

July 1, 2025 BMAP Update Progress

As required by the Clean Waterways Act, DEP must prepare updates to its nutrient BMAPs by July 1, 2025. The [Update Progress](#) dashboard provides a visual representation of progress towards the completion of related sub-tasks leading up to the July 1, 2025 updates. Please visit the [BMAP Public Meeting](#) page for upcoming meetings and subscribe to meeting notices.

Nutrient BMAPs



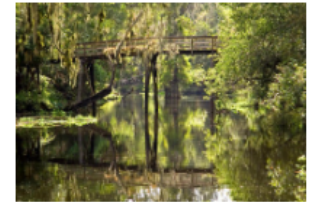
Nutrient BMAPs contain a comprehensive set of solutions, such as permit limits on wastewater facilities, urban and agricultural best management practices, and conservation programs designed to achieve pollutant reductions established by a total maximum daily load

Springs BMAPs



Springs BMAPs identify the sources of nutrient pollution, list the specific projects and programs necessary to reduce nutrient pollution, and establish priority focus areas where statutory prohibitions on certain activities apply (such as installation of new conventional septic systems).

Fecal Bacteria Impaired BMAPs



Bacteria basin management action plans (BMAPs) include management strategies or projects, to be implemented by local stakeholders, that aim to eliminate and prevent the release of waste, containing pathogens, to natural waterbodies.

[Basin Management Action Plans \(BMAPs\) | Florida Department of Environmental Protection](#)



RESOURCES

FUNDING OPPORTUNITIES



Florida Department of Environmental Protection
Funding Opportunities

[FloridaDEP.gov/Funding](https://www.floridadep.gov/Funding)





SUBSCRIBER PAGE

HOW TO CONTACT US



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THANK YOU



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**Everglades West Coast Basin Management Action Plan (BMAP) Annual Meeting
Webinar Summary**

Tuesday, April 28, 2026

10:00 am – 10:35 am

Participants

Miranda Anderson, DEP
Cora Aossey, DEP
Cassandra Armstrong, SFWMD
Tammy Ash, Conservancy of SW FL
Charles Avery, Citizen
John Baker, Bowman
Sarina Barnard, CHNEP
Ernie Barnett, FL Water & Land
John Barrington, FL Health
Terrie Bates, Citizen
Evelyn Becerra, DEP
Jake Bennett, Wells Street Partners
Chelsea Braz, USF
Jennifer Cappelletti, RES
Erin Carroll, FL Senate
Carolyn Ciarlariello, DEP
Scott Corwin, Timber Pines
Kevin Coyne, AMP
R. M. Edenfield, RMEC
Kristina Embrey, FGUA
Meysam Farahani, FDOT
Jessica Fetgatter, DEP
Marissa Figueroa, Audubon
Phil Flood, SFWMD
Jake Fojtik, FFBF
Marcy Frick, Tetra Tech
Aubrey Frye, SFWMD
Terry Gibson, Deploy US
Kathy Greenberg, Citizen
Roxanne Groover, FOWA
Maddy Hart, FDACS
Moirra Homann, DEP
Paul Julian, Everglades Foundation
Wesley Kayne, Barraco
Chandler Keenan, DEP
Sean Kelleher, Wells Street Partners
Travis Kirk, Seminole Tribe
Lisa Koehler, SFWMD
Greg Kosik, Lee County
Natalie Kraft, PPL
Lisa Kreiger, Lee County
Garrett Kusienski, Lee County
Katie Laakkonen, Naples
Sarah Laboda, Apex
Laura Layman, SFWMD
John Lindsey, Davenport
Joseph Lineberry, Citizen
Celeste Lyon, RES
Adam Majtyka, TC Wild
Jessica McPherson, Apex
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Mitchell Miller, Seven Lakes Assoc.
Alejandra Nirenberg, CRI
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Sangita Pokhrel, Collier
Irene Quincey, Pavese Law
Kai Rains, USF
Jennifer Reynolds, SFWMD
Maria Romero, Lee County
Frank Savage, Barraco
Larry Scrabis, Citizen
Matthew Scriptor, Ecological Assoc.
Lindsey Shapiro, Applied Ecology
Lily Silva, Apex
Tasha Smith, Citizen
Leyna Stemle, FDOT
Jordan Tedio, DEP
The Florida Channel
Jennifer Thera, FDACS
Tony Tomalewski, DEP
Jordan Varble, Apex
Robert Volpe, Golf Club at Palmira

Rhonda Watkins, Collier
Rachel Wright, Barraco

Amanda Zirzow, Citizen

The webinar recording and supporting materials are posted to the Florida Department of Environmental Protection (DEP) website at <https://floridadep.gov/dear/water-quality-restoration/content/bmap-documents-meeting-materials-and-recordings>.

Questions and Answers

Question: When will the stakeholders who have no planned projects be required to get going? There is only 6 years left to achieve the reduction goals.

Answer: There is a lot of work left to do. They need to provide projects that show how they are going to meet their milestones, and they have to do that during every Statewide Annual Report project collection period. We also have ongoing discussions with our entities so if there any issues, we can have those one-on-one conversations to try to get them to where they need to be.

Question: Will community development districts (CDDs) find out the results of their initial reporting (estimated reductions, what is left to do) at the July-November stakeholder meetings?

Answer: Yes. We will meet with everybody, especially because we will have that BMAP update coming up. We can talk through progress and what is needed. Once the Statewide Annual Report is published on July 1, you can go in and see the progress with the BMAP as a whole. We will also be in contact with our entities to let them know on their progress.