

Florida Department of Environmental Protection (DEP)
Wekiwa Spring and Rock Springs Basin Management Action Plan (BMAP)
Question and Answer (Q&A) Summary
Public Meeting on May 29, 2024
1:30 pm – 2:18 pm
Via GoToWebinar

Attendees

Arlene Acevedo, DEP	Raichel Gulde, RES
Alison Adams, Citizen	Sam Hankinson, DEP
Dustin Allen, DEP	Margarita Hernandez, DEP
Suzanne Archer, SJRWMD	Barbara Howell, DEP
Erica Atkinson, City of Apopka	Bryan Hummel, EPA
Lisa Bally, ATM	Nathan Jagoda, DEP
Michael Barr, DEP	Chandler Keenan, DEP
Janelle Barrierio, FL Senate	Joy Kokjohn, SJRWMD
Sean Beaudet, Lake County	Ashley Konon, Friends of Wekiva
Evelyn Becerra, DEP	Emily Lawson, Orange County
Marcelo Blanco, DEP	Charles Legros, DEP
Julie Bortles, Orange County	Heather Lindell, Orange County
Kellie Bracht, City of Altamonte Springs	Jeff Littlejohn, OnSyte Performance
Beth Brady, Save the Mantee	Lisa Lotti, City of Orlando
Kayla Brunson, DEP	Sarah Louissaint, DEP
Brandon Bryant, Orange County	Mary Beth Lupo, DEP
Thomas Calhoun, Seminole County	Celeste Lyon, RES
Cathie Catasus, Lake County	Tom Mayton, SJRWMD
Carolin Ciarlariello, DEP	Max Mcamis, Pasco County
Michael Cliburn, Friends of Wekiva	Karen Mclaughlin, Citizen
Stephen Cribb, City of Apopka	Cindy Newton, Citizen
Veronica Dau, Citizen	Charles Nimmo, DEP
Susan Davis, SJRWMD	Kevin O'Donnell, DEP
Cammie Dewey, SJRWMD	Kim Ornberg, Seminole County
Lauren Dorval, FDACS	Josh Papacek, SJRWMD
Chloe Dougherty, Florida Springs Council	Charles Parker, Orange County
Kim Duffek, DEP	Timothy Perry, Gardner Bist
Katie Durham, DEP	Wendy Poag, Lake County
Jeff Earhart, Lake County	Nancy Prine, Citizen
Justin Elkins, Lake County	Roderick Reardon, Citizen
Yesenia Escribano, FDACS	Eb Roeder, DEP
Chris Farrell, Audubon Florida	Mark Romagosa, DEP
Eka Febrina, Seminole County	Kristin Rubin, Citizen
Jessica Fetgatter, DEP	Shannon Salvatori, SJRWMD
Tina Gordon, Wildwood Consulting	Scott Santos, Citizen
Roxanne Groover, FOWA	Stacey Simmons, FDACS

Ryan Smart, Florida Springs Council
Victoria Steinnecker, Corollo Engineers
Ken Storey, ECFPRC
Jennifer Thera, FDACS
Rory Trumbore, Citizen
Diana Turner, DEP
Unknown, The Florida Channel
Lisa Van Houdt, DEP

Ken Weaver, DEP
Tanya Welborn, DEP
Brenda Wells, Florida Springs Council
Shannon Wetzel, Seminole County
Joseph Whyte, RES
Michael Wolcott, Citizen
Nick Zurasky, FDACS

Wekiwa Spring and Rock Springs BMAP Overview

Q: Did the water quality slide show no real changes over time? How does that match up with nutrients removed? I am interested in a discussion of project results (reductions in loading) compared with actual water quality changes in the springs.

A: There is a lot of uncertainty in the subsurface regarding flow and impact of a particular project on the vent, so it is hard to make a one-to-one comparison. We are reviewing groundwater data at the vent and upstream, but this is still ongoing. We will also be looking closely at groundwater well data to give us a more immediate idea of water quality from projects on the land surface and to see how quickly we can track progress.

Nitrogen Source Inventory Loading Tool (NSILT) Results

Q: What was the wastewater treatment loading percentage?

A: The wastewater loading is estimated at 134,595 pounds of nitrogen per year (lb-N/year), which is about 11% of the total estimated nitrogen load.

Q: You have a slide that shows an onsite sewage treatment and disposal system (OSTDS) density map and there is discretion about using NSILT for the contribution calculation based on estimated loading, census data, etc. There were also high, medium, and low recharge factors. I didn't notice how density factor is applied to the loading calculation. Is the density factor being factored into the NSILT somewhere that you did not discuss?

A: The density is not factored into the OSTDS loading equation; it was for visual representation. The OSTDS loading estimate is based on the county's persons per household and the estimated load per person, and the number of OSTDS. This loading is adjusted with a recharge factor based on the location of each OSTDS.

Q: If there is a direct swap from a conventional OSTDS to an enhanced, nutrient-reducing OSTDS, do you apply 50% reduction for TN loading at that location (and depending on whether it is located in a high, medium, or low recharge area)?

A: Yes, that is correct.

Spring Vent Load Analysis Results

There were no questions during this section.

Next Steps - BMAP Updates

There were no questions during this section.

Adjournment

The meeting ended at 2:18 pm.