



# **Research Review & Advisory Committee Meeting**

**March 3, 2015**

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Division of Disease Control and Health Protection  
Florida Department of Health

To protect, promote and improve the health of all people in Florida through integrated state, county, and community efforts.



# Agenda

9:30 – 9:40      Introductions and Housekeeping

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9:40 – 9:45      Review of minutes:

- February 26, 2014 meeting

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9:45 – 11:00      Discussion on Nitrogen Reduction Strategies Study:

- Update on project timeline extension
- Current Project Status

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11:00 – 11:30      Updates on Other Projects

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11:30 – 11:40      Other Business

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11:40 – 11:50      Public Comment



# Introductions & Housekeeping

- Committee roll call
- Identification of audience
- How to view web conference
- Mute / unmute phone line = \*6
- Do not put phone on hold
- Download meeting material:

<http://www.myfloridaeh.com/ostds/research/Index.html>



# **Updates to Committee Members**

The following groups are currently being filled:

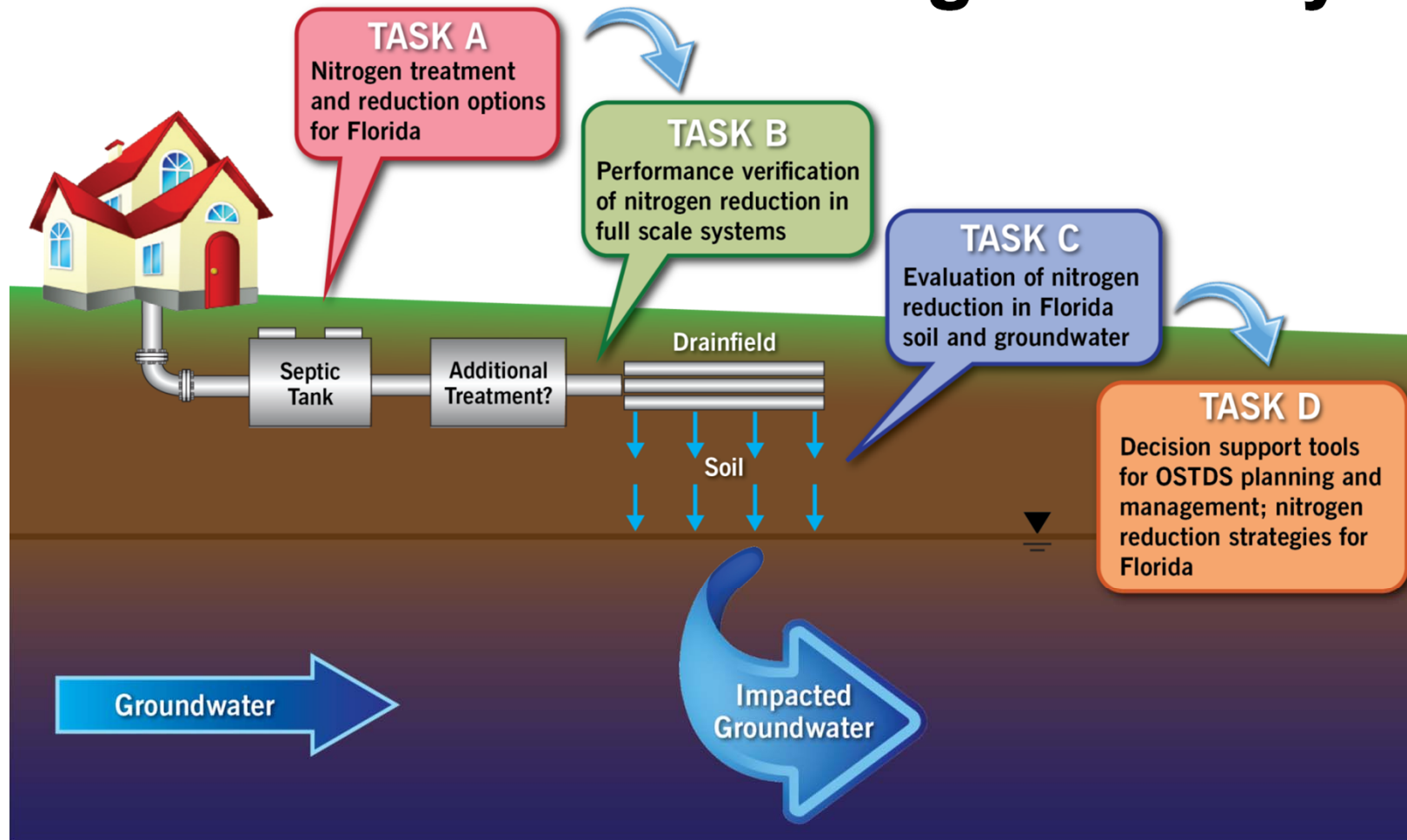
- Department of Health
- Septic Tank Industry
- Environmental Interest Group
- Restaurant Industry



# **Review of Meeting Minutes**

- February 26, 2014

# Florida Onsite Sewage Nitrogen Reduction Strategies Study





# **Florida Onsite Sewage Nitrogen Reduction Strategies Study**

Discussion on Nitrogen Reduction  
Strategies Study:

- Update on project timeline extension
- Current project status



# **Florida Onsite Sewage Nitrogen Reduction Strategies Study**

- 2014 Legislative Language
- Contract has now expired
- Purchase order in place until June 30, 2015 with current funding level



# Summary of Cash Available, Expenses, and Balance of Funds

Fiscal Year	Cash	Contract Expenses	Balance
2008-2009	\$800,000 <sup>1</sup>	\$213,727	\$ 586,273
2009-2010	\$0	\$485,720	\$100,553
2010-2011	\$2,000,000	\$742,016	\$1,358,537
2011-2012	\$0	\$678,773	\$679,764
2012-2013	\$1,103,566 <sup>2</sup>	\$1,103,566	\$679,764
2013-2014	\$114,772 <sup>3</sup>	\$794,536	\$0
2014-2015	\$712,689 <sup>3</sup>	\$712,689 <sup>4</sup>	\$0
<b>TOTAL</b>	<b>\$4,731,027<sup>5</sup></b>	<b>\$4,731,027<sup>5</sup></b>	

1 - \$900,000 was appropriated. \$800,000 for contract and \$100,000 for department administration of contract

2 - \$1,500,000 in non-recurring GR of which the contractor only spent \$1,103,566

3 – From DOH Trust Fund

4 – Estimated, as of 3/3/2015 \$150,000 has been invoiced

5 – Estimated \$268,973 short from original funding estimate of \$5,000,000



# Test facility

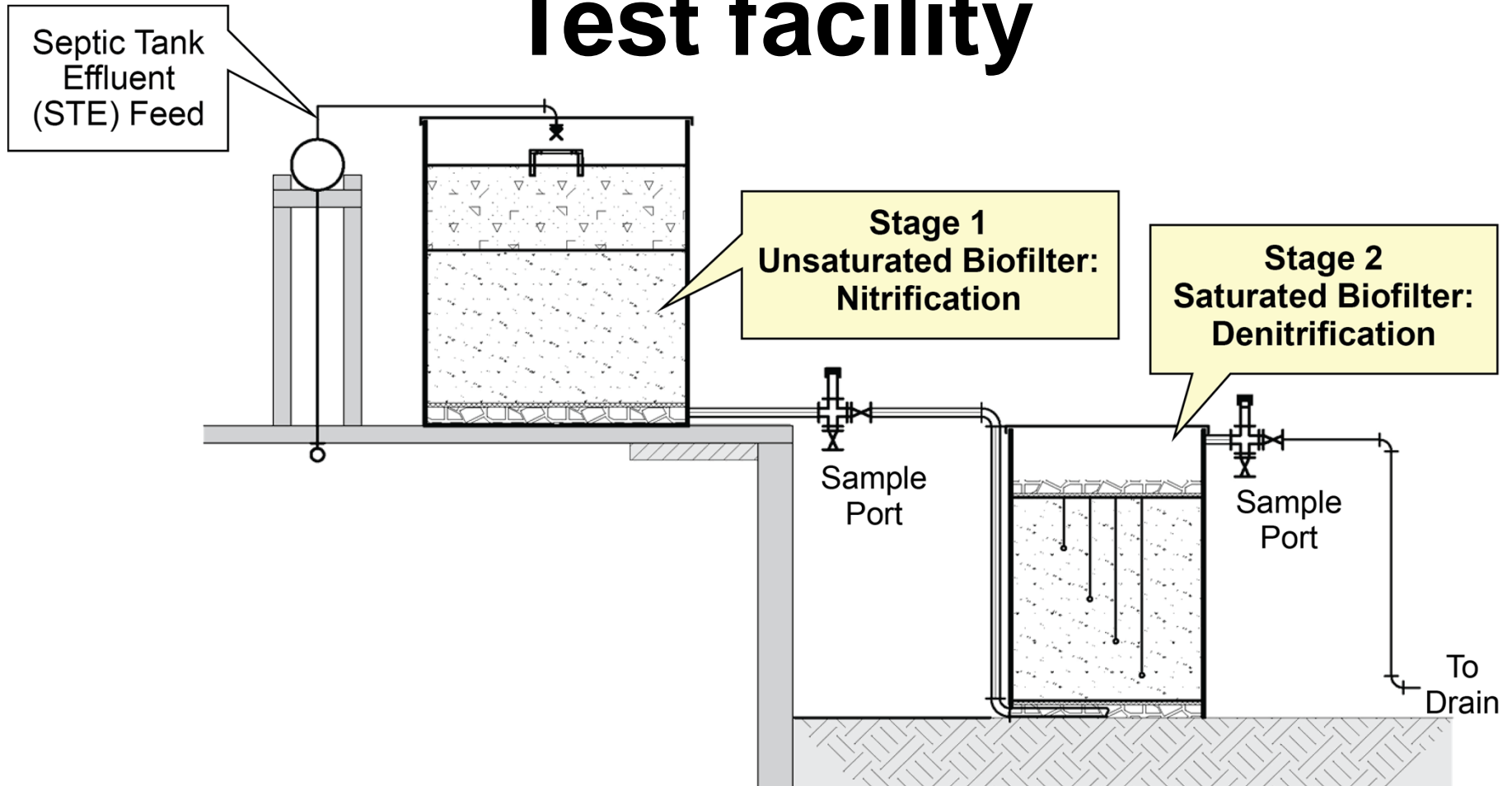
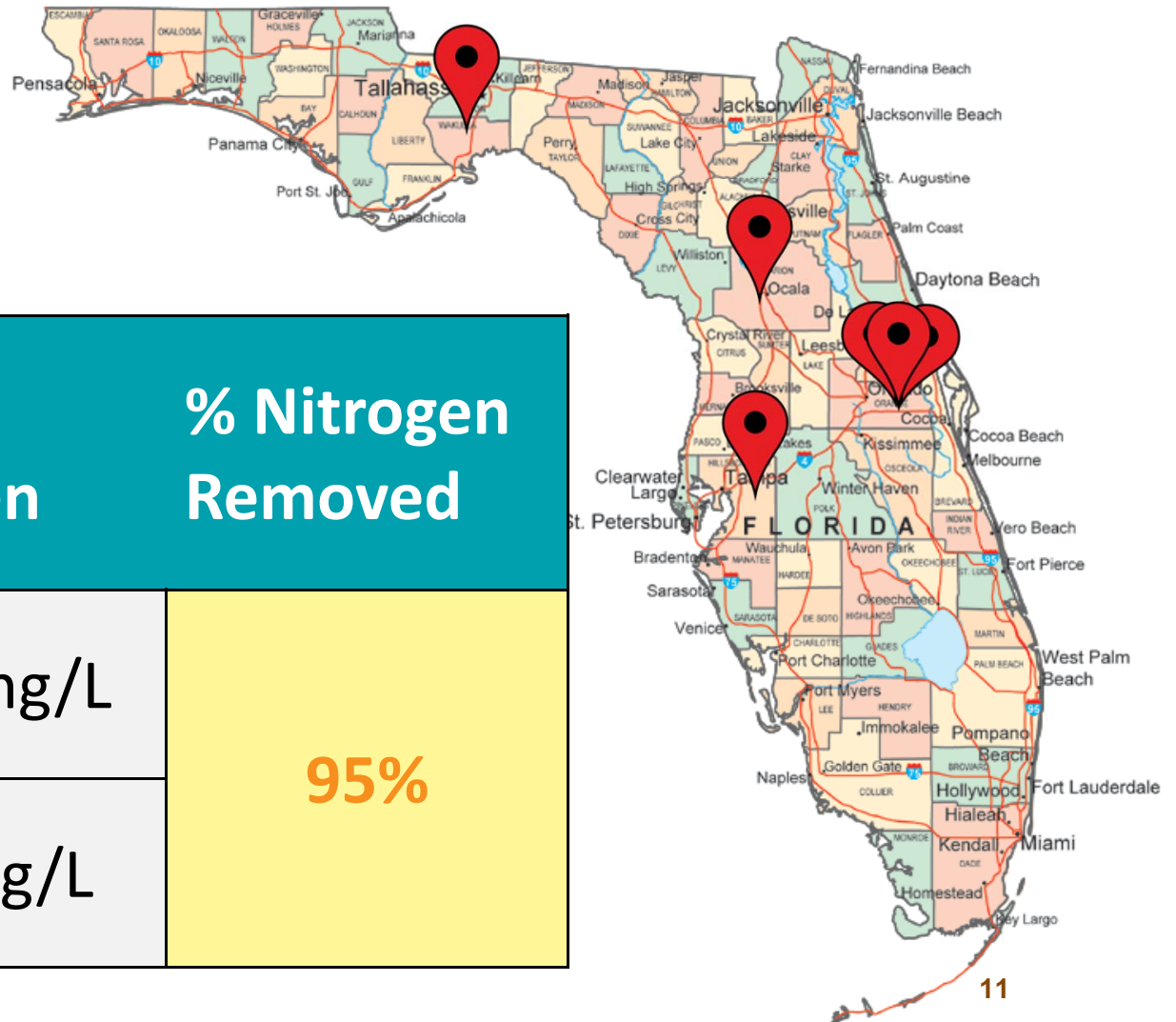


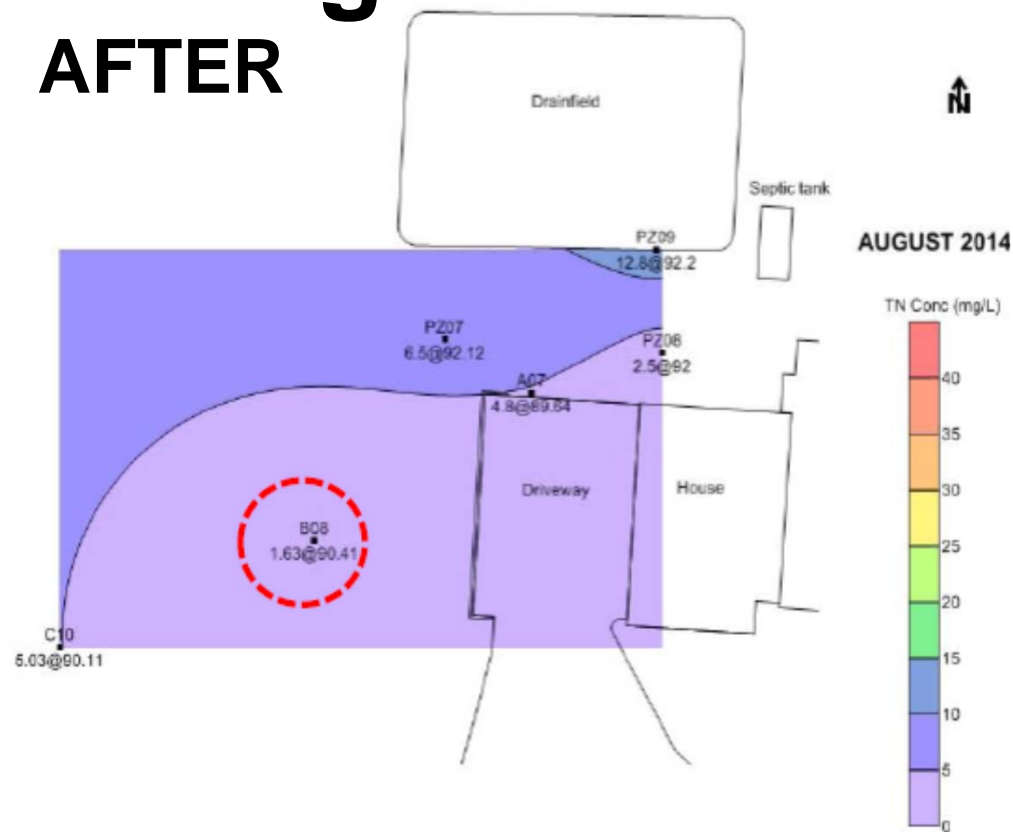
Image Credit: Hazen and Sawyer

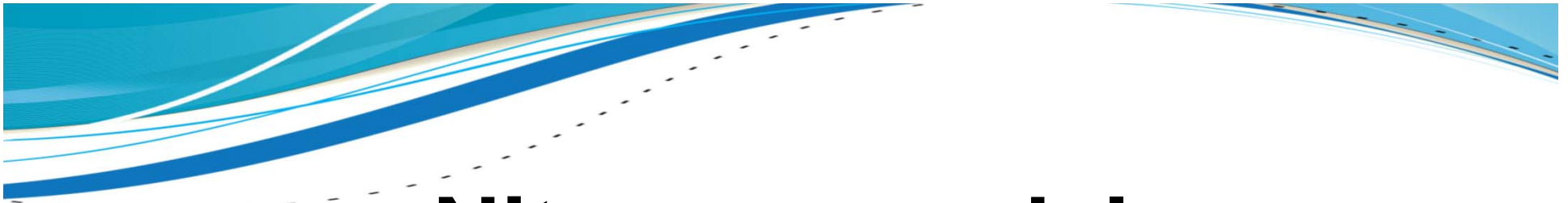
# Nitrogen reduction at field sites



Results from one field site:	Total Nitrogen	% Nitrogen Removed
Wastewater <u>Before</u>	54.7 mg/L	95%
Wastewater <u>After</u>	2.5 mg/L	

# AFTER





# Nitrogen model

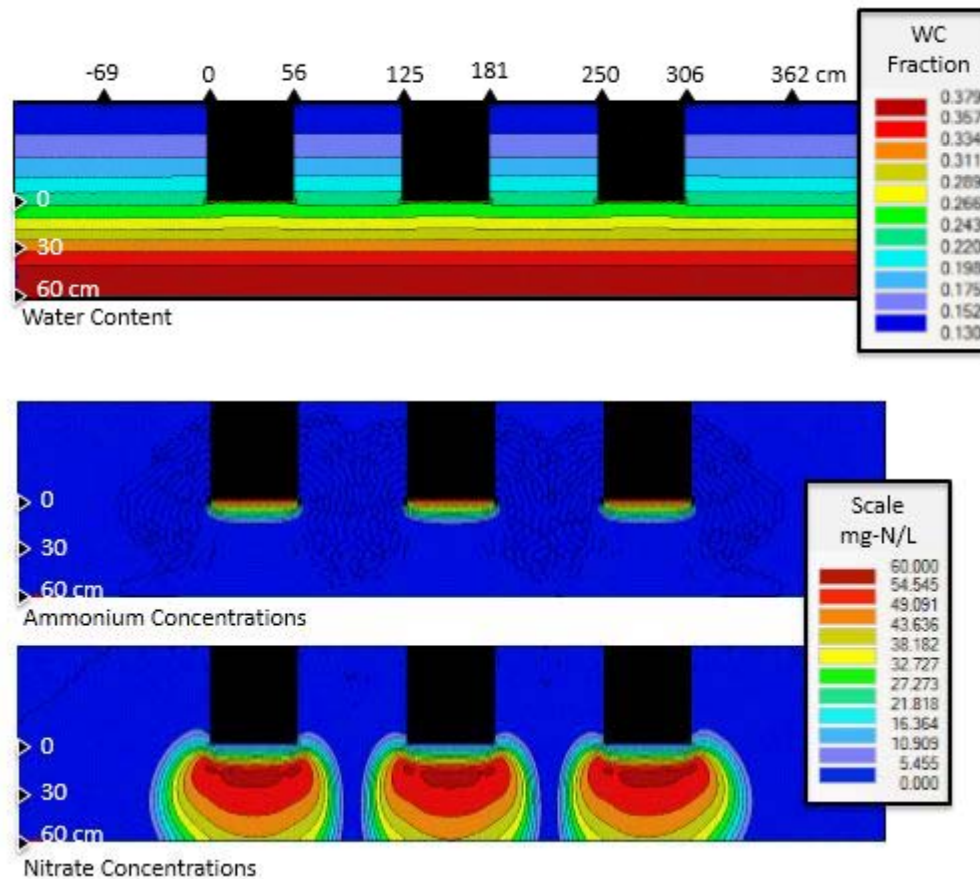


Image Credit: Colorado School of Mines





# Planned to complete by June 2015:



Field  
monitoring

Nitrogen  
fate &  
transport  
models

Task related  
data  
analysis &  
summary  
reports

<http://www.floridahealth.gov/nitrogen>



# **Tasks that will not be completed with current funding:**

- No final project report synthesizing all of the completed work (not in original scope)
- Report summarizing all work done for Task A (previous RRAC discussions that this would become the final project report)
- Report summarizing all work done for Task C
- Technical description of nitrogen technologies
- Final Task D guidance manual (will get draft)
- Decision-making framework considering model uncertainty
- Innovative system applications
- Vendor agreements (not needed)

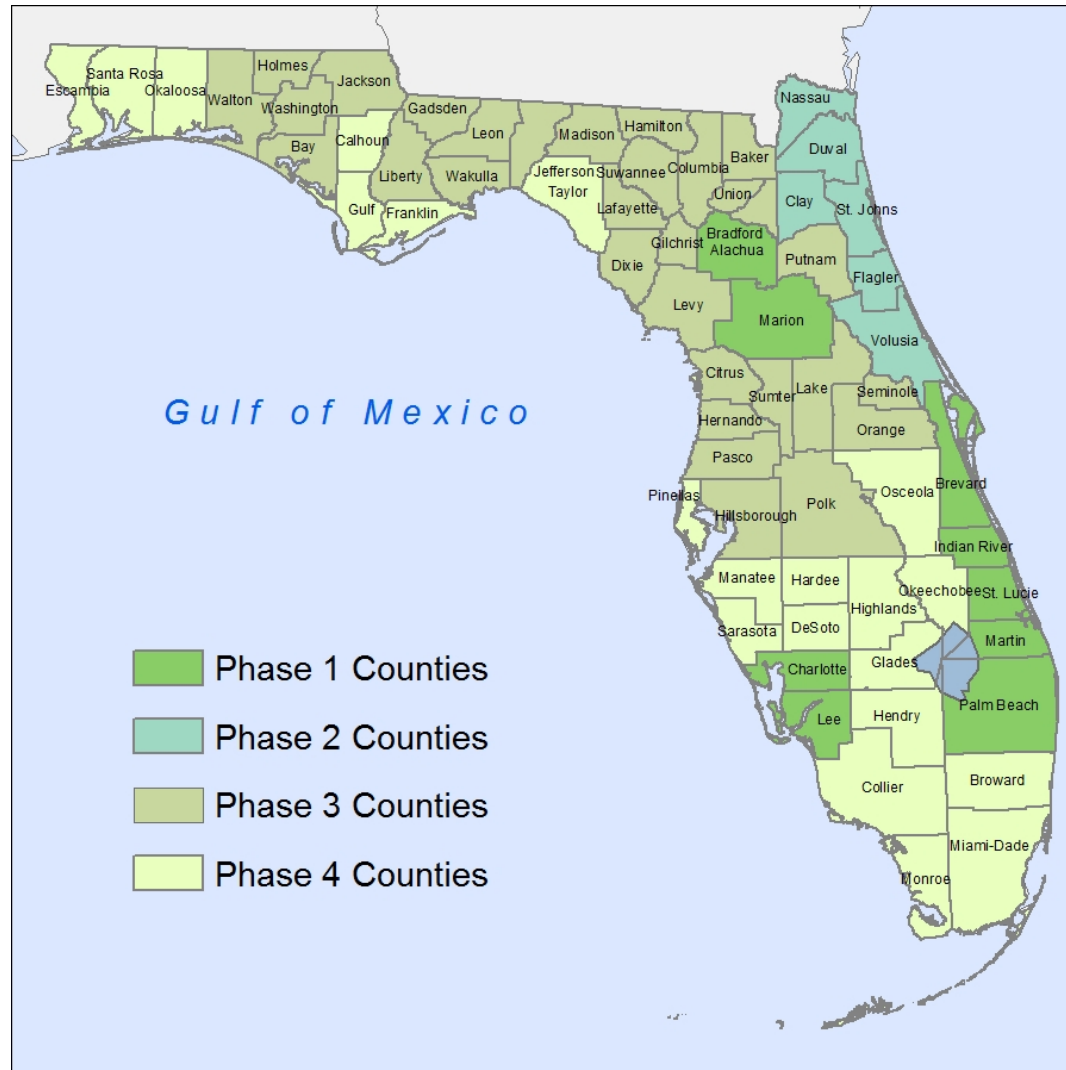


# Updates on Other Projects



# Florida Water Management Inventory

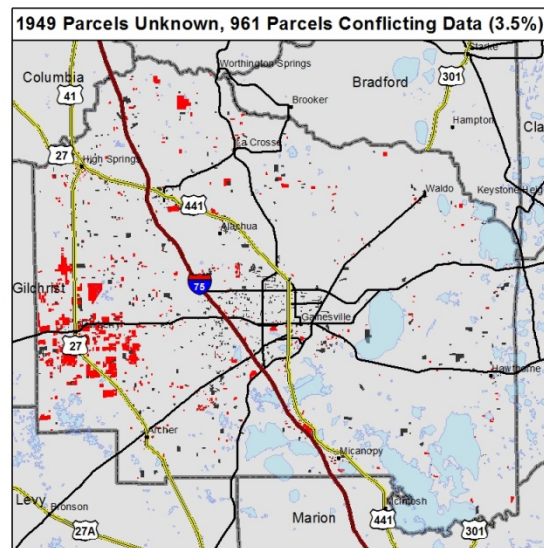
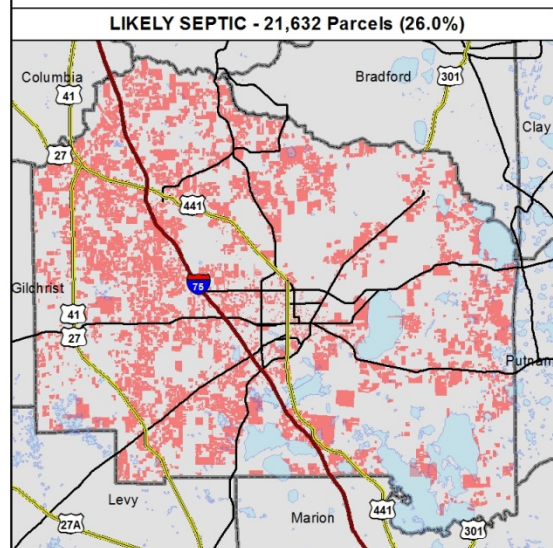
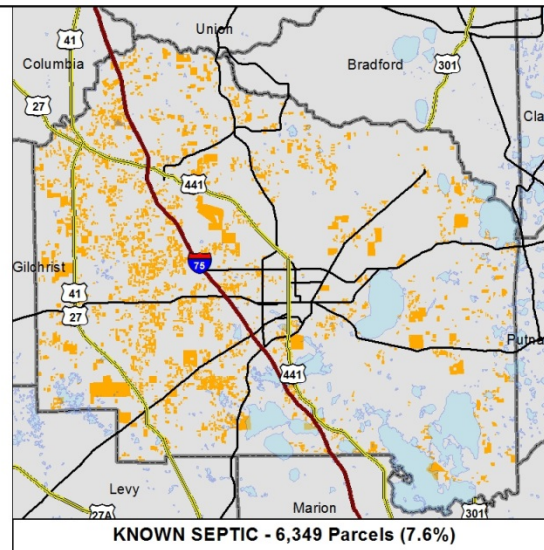
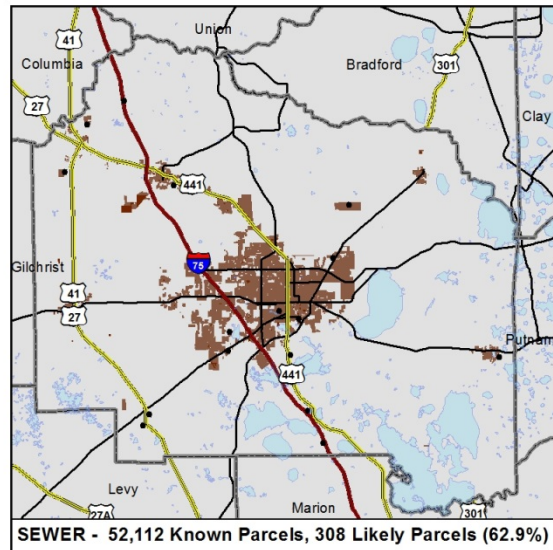
<http://www.floridahealth.gov/flwmi>



## GOAL:

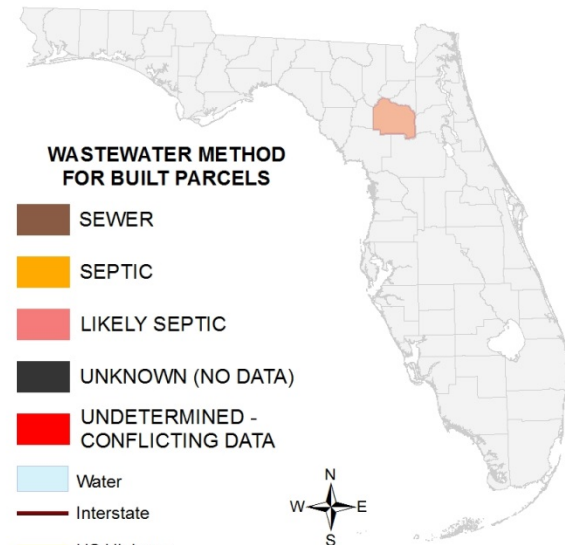
**Map the drinking water source and wastewater treatment method for every built property in Florida**

# Alachua results: wastewater



## Florida Water Management Inventory Alachua County Wastewater

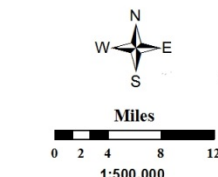
*DRAFT*



### WASTEWATER METHOD FOR BUILT PARCELS

- SEWER
- SEPTIC
- LIKELY SEPTIC
- UNKNOWN (NO DATA)
- UNDETERMINED - CONFLICTING DATA
- Water
- Interstate
- US Highway
- State Road

Percentages are for parcels with Built or Unknown Built Status



Projection: Albers Equal Area NAD83



29Jan2015



# Other Business



# Public Comment



# Next Meeting Information

Upcoming meeting topics:

- Nitrogen Study progress
- Discussion on ongoing research projects

Proposed dates for next meeting:

- To be determined via email in the future:  
likely June 2015 to review nitrogen study deliverables



# Closing Comments and Adjournment

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