

Research Review & Advisory Committee Meeting

July 28, 2015

Elke Ursin

Bureau of Environmental Health

Onsite Sewage Programs

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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

9:40 – 9:45 Review of minutes:

- March 19, 2015 meeting
-

9:45 – 2:30 Discussion on Nitrogen Reduction Strategies Study:

- Current status and timeline
 - Presentation by Hazen and Sawyer on the project
 - Discussion on Task B Draft Final Report
-

2:30 – 2:45 Updates on Other Projects

2:45 – 2:50 Other Business

2:50 – 2:55 Public Comment

2:55 – 3:00 Closing Comments, Next Meeting, and Adjournment

Introductions & Housekeeping

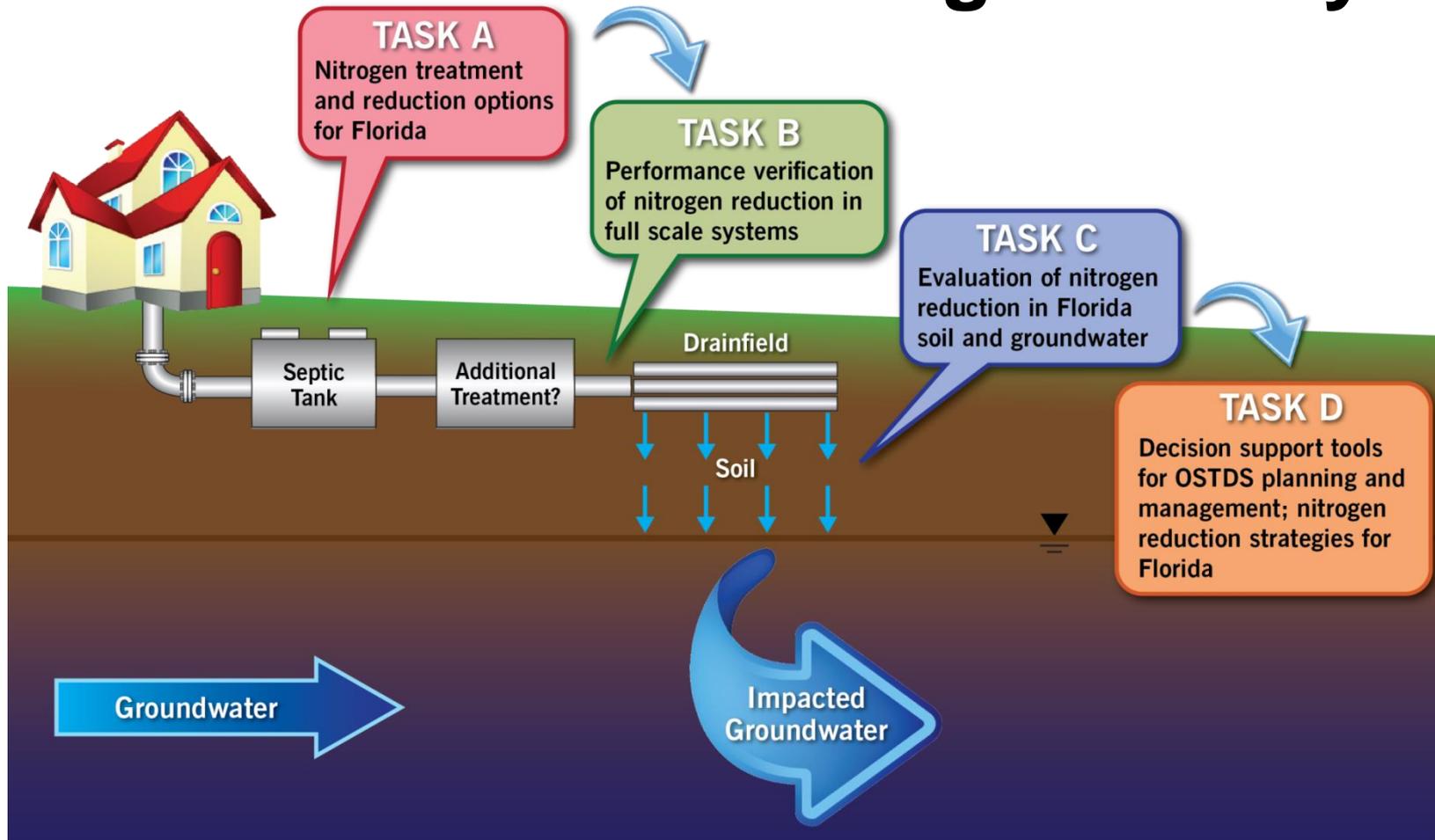
- Committee roll call
- Identification of audience
- How to view web conference
- Mute / unmute phone line = *6
- Do not put phone on hold
- Download meeting material:

<http://www.floridahealth.gov/environmental-health/onsite-sewage/research/rrac.html>

Review of Meeting Minutes

- March 19, 2015

Florida Onsite Sewage Nitrogen Reduction Strategies Study



Florida Onsite Sewage Nitrogen Reduction Strategies Study

Discussion on Nitrogen Reduction Strategies Study:

- Current status and timeline
- Presentation by Hazen and Sawyer on the project
- Discussion on Task B Draft Final Report
- Public Comment

Nitrogen Study – Current Status

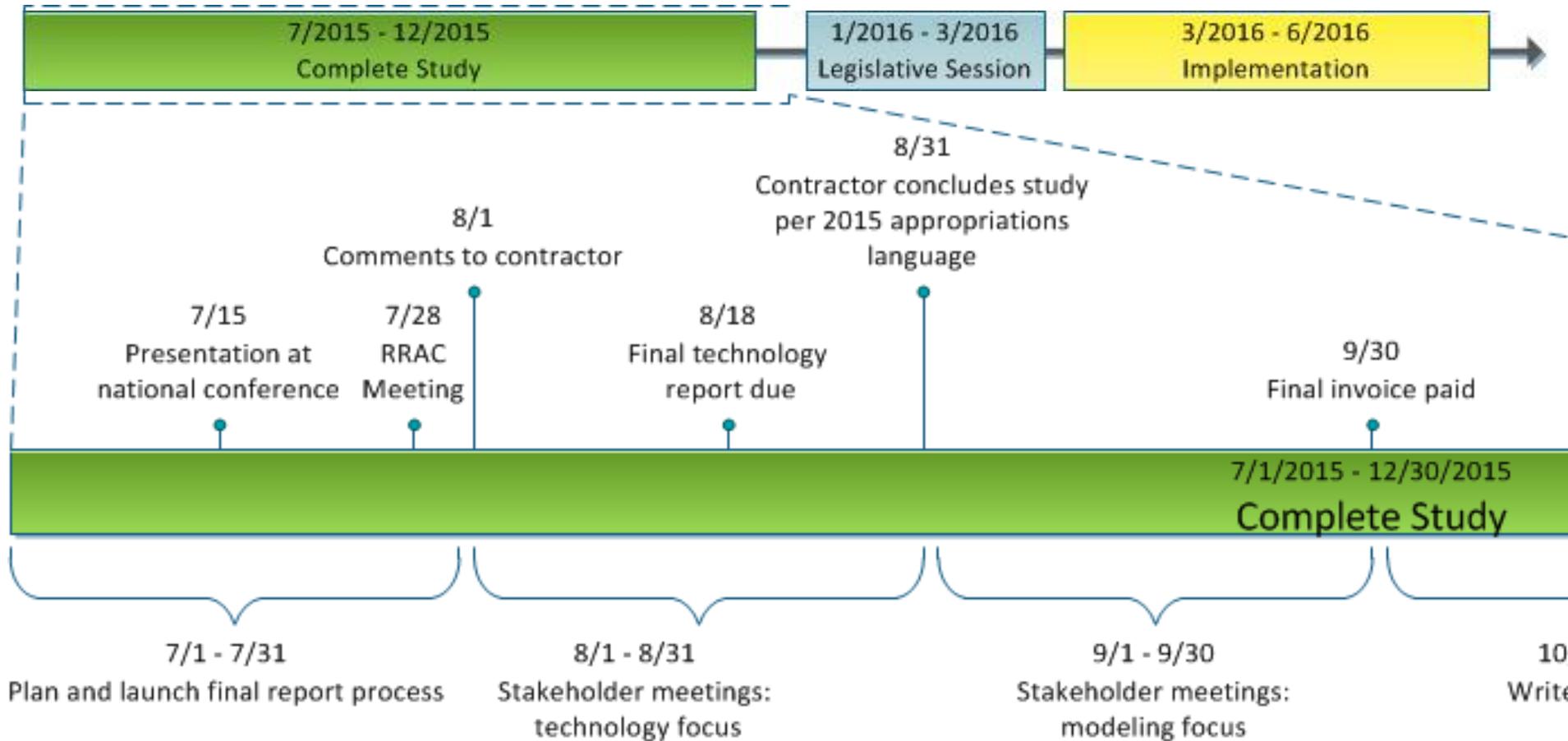
- Legislature appropriated \$10,000 to conclude the study
- Final report from the Department due 12/31/2015 containing:
 1. Analysis of field monitoring of performance and cost of technologies at various sites
 2. Analysis of soil and groundwater sampling at various sites to determine how nitrogen moves
 3. Analysis of various models to show how nitrogen is affected by treatment in Florida-specific soils
 4. Final reporting on all tasks with recommendations for science-based nitrogen reduction options for OSTDS

Nitrogen Study – Financial Status

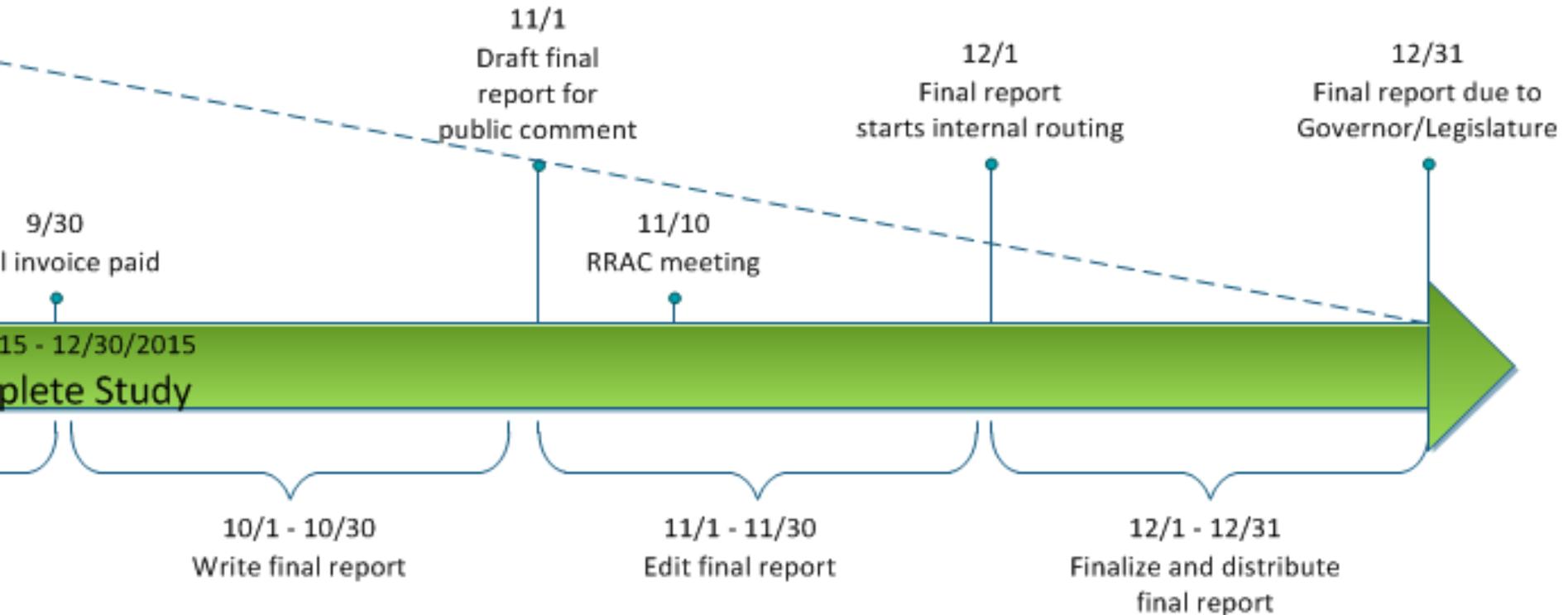
- Reviewing invoices
- Anticipated total project spending:
\$4,703,646.60 (estimated through 6/30/2015)
+ \$ 26,218.05 (estimated through 8/30/2015)

\$4,729,864.65 (estimated contracted total)

Nitrogen Study – Timeline



Nitrogen Study – Timeline



Florida Onsite Sewage Nitrogen Reduction Strategies Study

Discussion on Nitrogen Reduction Strategies Study:

- Presentation by Hazen and Sawyer on the project

Florida Onsite Sewage Nitrogen Reduction Strategies Study

Discussion on Nitrogen Reduction Strategies Study:

- Discussion on Task B Draft Final Report – Final comments due to Elke Ursin (elke.ursin@flhealth.gov) by July 30, 2015
- Public Comment

Updates on Other Projects



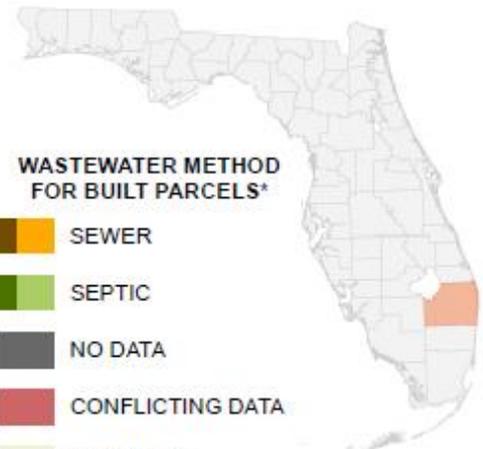
Florida Water Management Inventory

WHERE DOES IT GO?



Florida Water Management Inventory

Palm Beach County Wastewater 2015

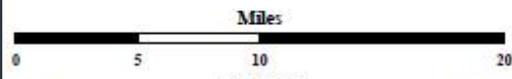


WASTEWATER METHOD FOR BUILT PARCELS*

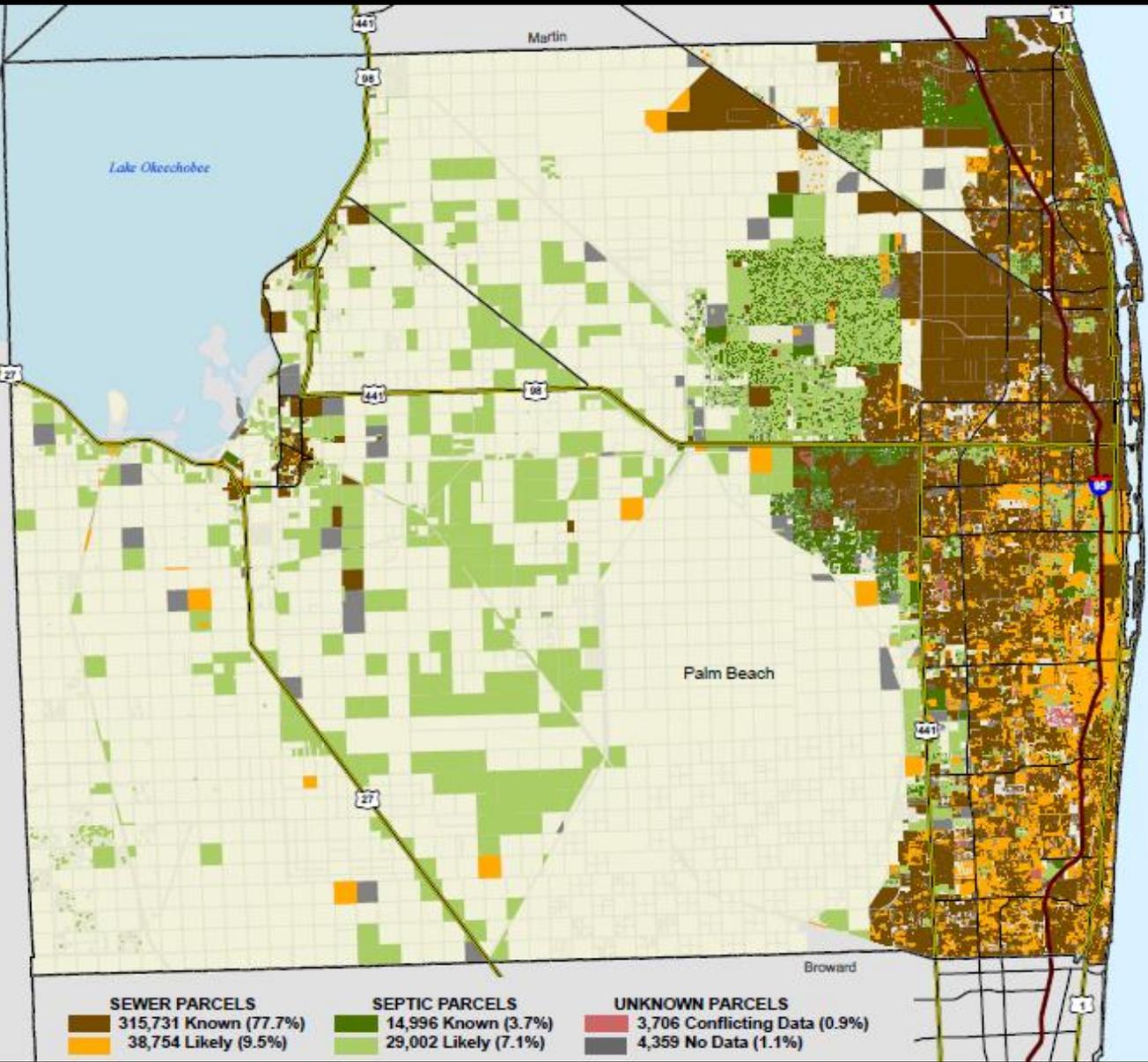
- SEWER
- SEPTIC
- NO DATA
- CONFLICTING DATA
- NOT BUILT

- Interstate
- US Highway
- State Road

* Includes parcels with unknown Built status. Percentages do not include parcels where wastewater is not applicable.



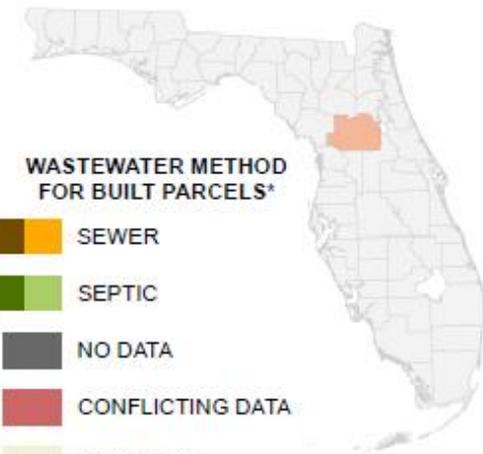
Projection: Albers Equal Area NAD



SEWER PARCELS		SEPTIC PARCELS		UNKNOWN PARCELS	
	315,731 Known (77.7%)		14,996 Known (3.7%)		3,706 Conflicting Data (0.9%)
	38,754 Likely (9.5%)		29,002 Likely (7.1%)		4,359 No Data (1.1%)

Florida Water Management Inventory

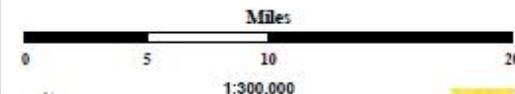
Marion County Wastewater 2015



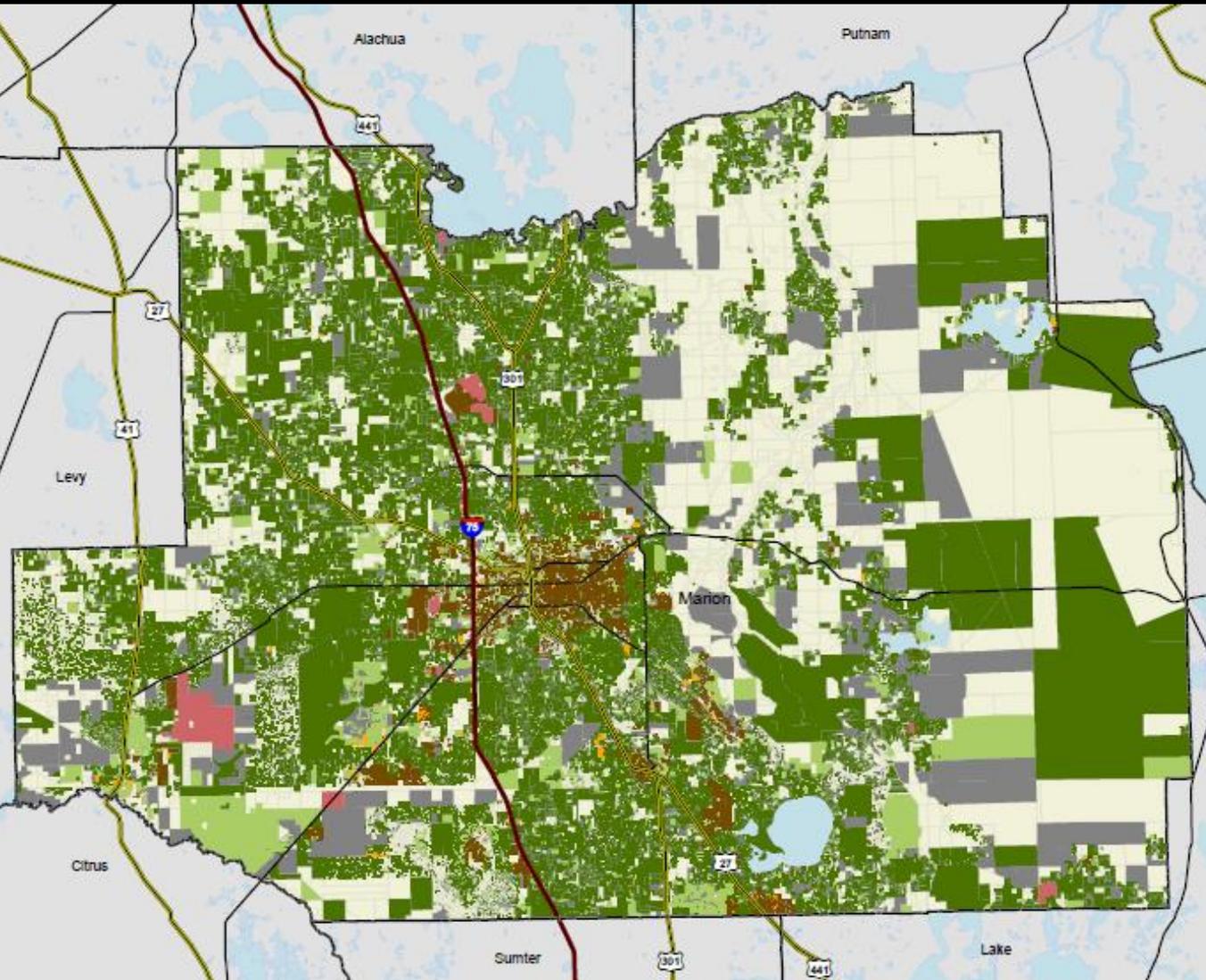
WASTEWATER METHOD FOR BUILT PARCELS*

- SEWER
- SEPTIC
- NO DATA
- CONFLICTING DATA
- NOT BUILT

- Interstate
 - US Highway
 - State Road
- * Includes parcels with unknown Built status. Percentages do not include parcels where wastewater is not applicable.



Projection: Albers Equal Area NAD83 2015



SEWER PARCELS		SEPTIC PARCELS		UNKNOWN PARCELS	
	36,955 Known (22.7%)		94,220 Known (57.8%)		171 Conflicting Data (0.1%)
	1,061 Likely (0.7%)		23,726 Likely (14.6%)		6,809 No Data (4.1%)



HIDDEN GEMS

DATA SILOS



Other Business

Public Comment

Next Meeting Discussion

When and how often should we meet to stay on track with the December 31, 2015 final report deadline?

Closing Comments and Adjournment

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