



AquiferWatch is non-profit dedicated to expanding groundwater science and stewardship.

We provide free well tests and foster hands-on participation in the management of Florida's aquifers.





Private Well Test Awareness and Nitrate Monitoring in the Suwannee River Basin

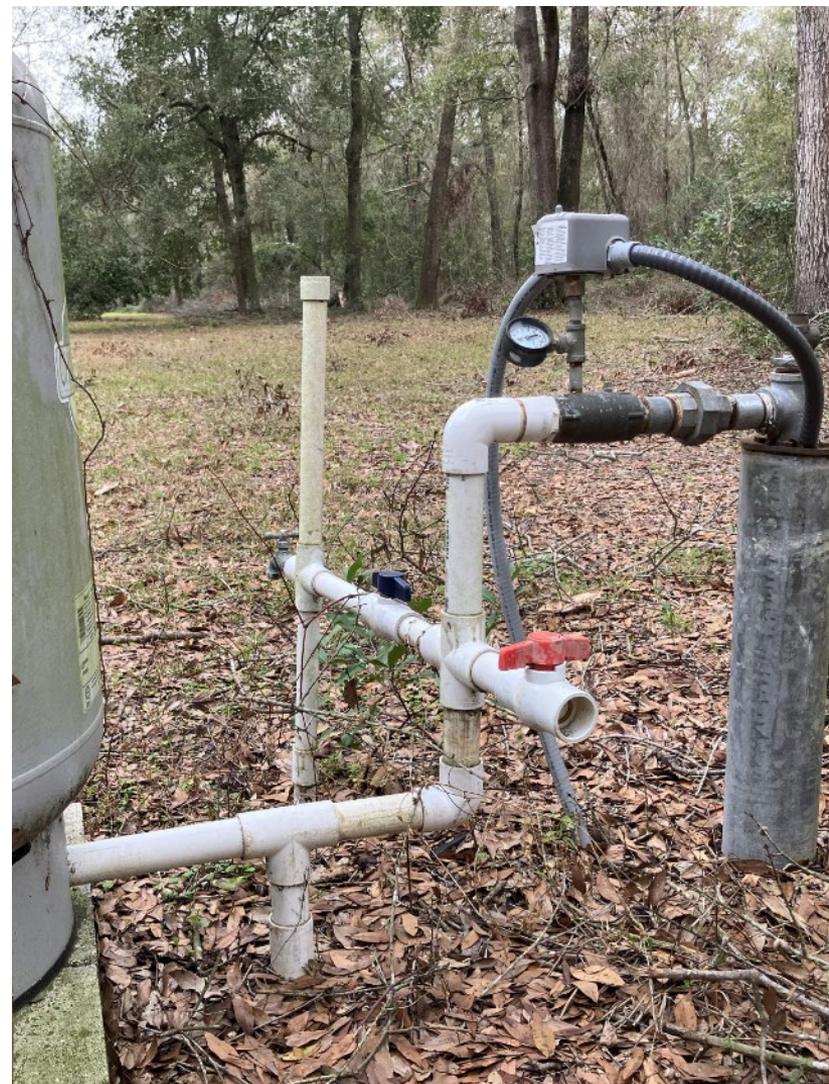
**Hailey Hall
AquiferWatch**

Private Wells

CONTAMINATION

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CARE



Social Dimensions of Private Well Testing: Why Don't People Test their Water?

Barbara Liukkonen, U of MN Extension; Lori Severtson, School of Nursing, UW-Madison; Ruth Kline-Robach, Institute of Water Resources, MSU-East Lansing

Via Private Well Owners Class-University of Illinois

Outreach Strategies for Working with Private Well Owners

	WI \$2 + free test	MN \$2 Bill	MI Coupon for free test	Totals
Surveys mailed	1459	596	635	2690
Surveys completed	1057	386	290	1733
Return Rate	72%	65%	48%	64%

1. We've been drinking it for years – **53%**
2. Didn't know what to test for – **41%**
3. Don't know how to test – **35%**
4. It's probably fine – **25%**
5. Didn't know I should test it – **17%**
6. Testing costs too much – **17%**
7. I'll Wait for others to find problems – **12%**
8. Dealing with problem would be too costly - **12%**
9. Missed the testing program – **8%**
10. I don't want to know – **8%**

When asked, "How worried are you about possible health risks from untreated well water?" respondents said they are ...

Very Worried	Worried	Slightly Worried	Not Worried
3%	10%	35%	52%

NITRATE in FLORIDA GROUNDWATER

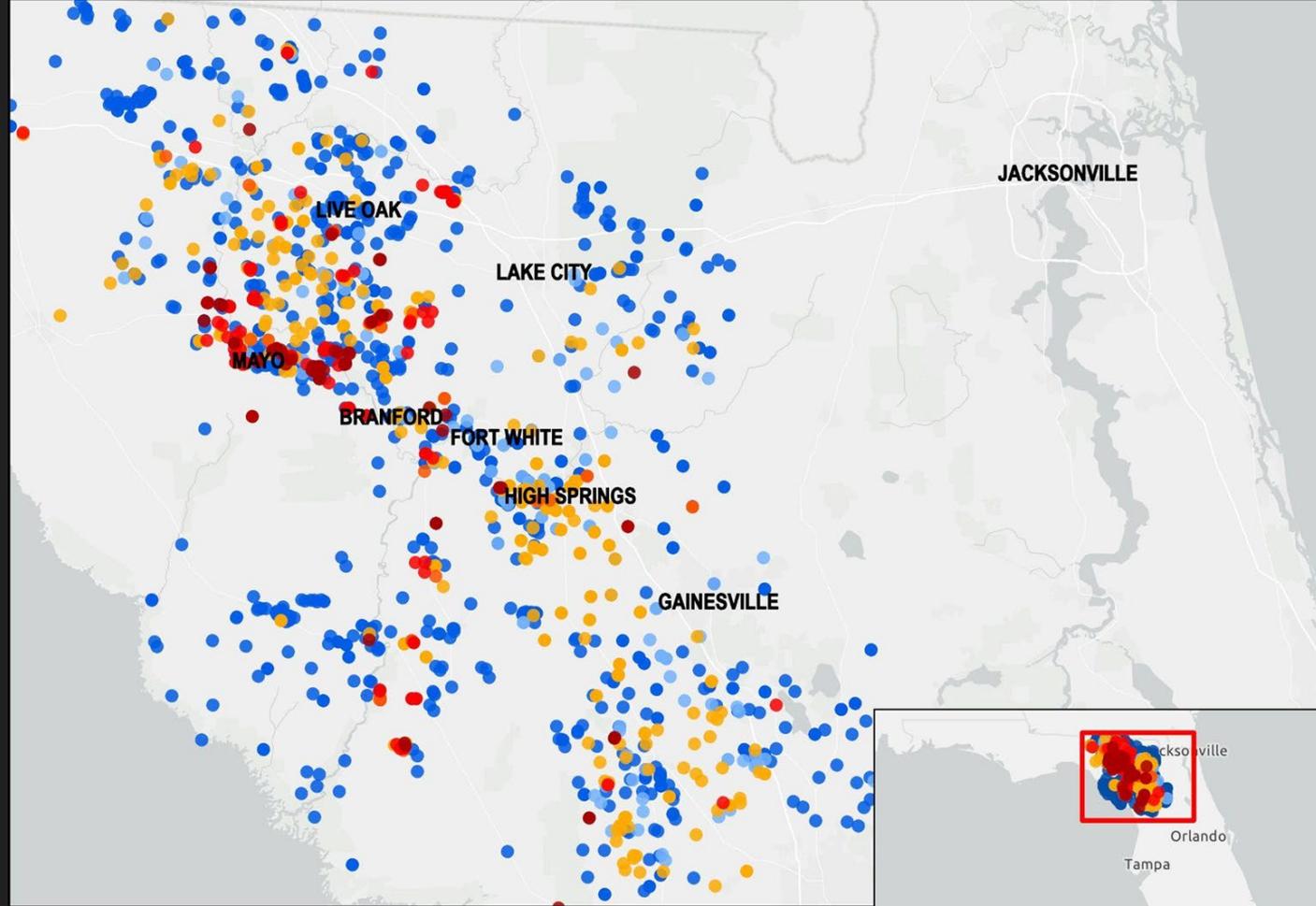
0.05 parts per million

0.35 parts per million

10.00 parts per million

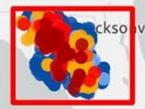
Nitrate in wells 2000- present

Data:
FDEP
FDOH
ACEPD
SRWMD
AquiferWatch



Nitrate
(mg/L)

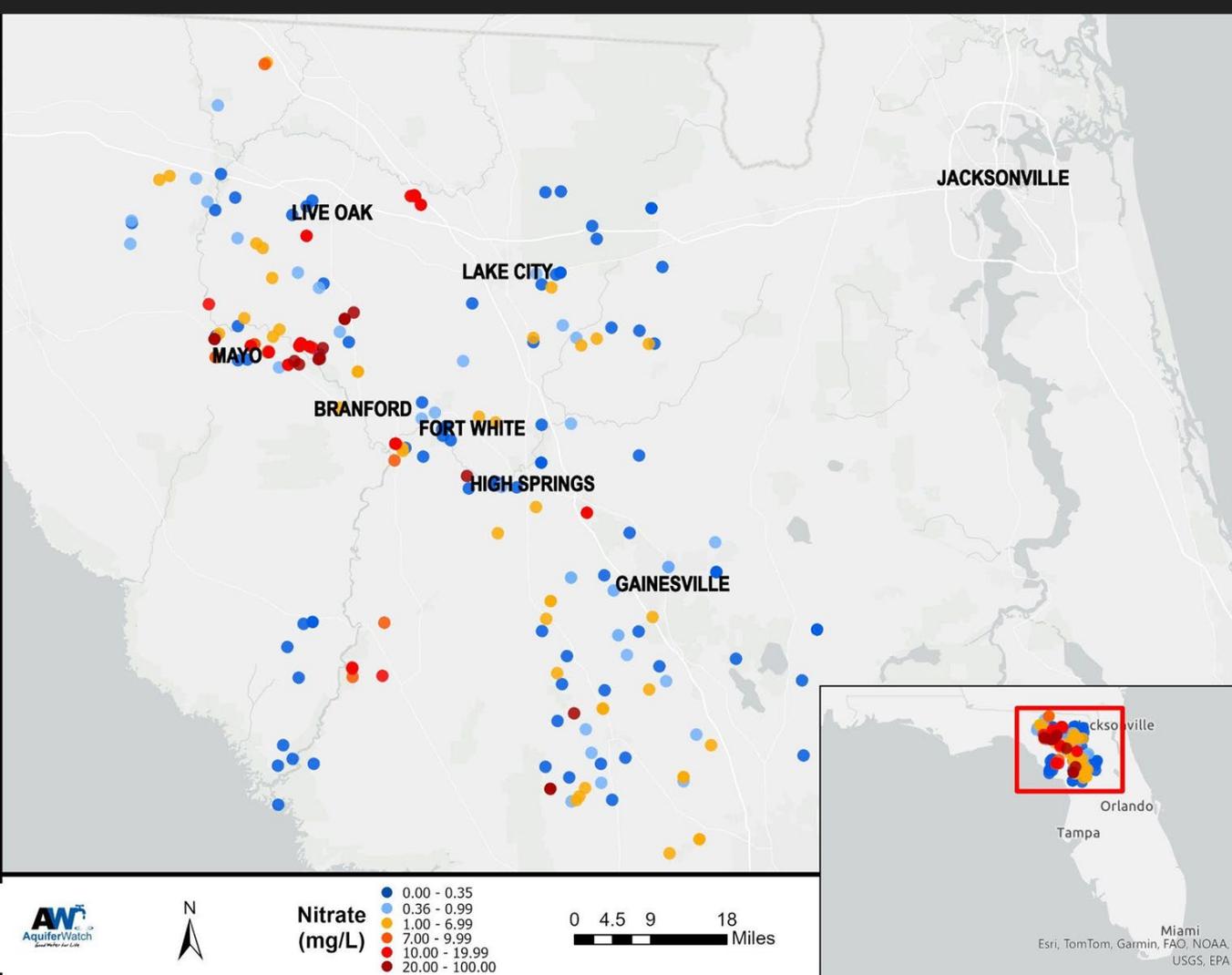
- 0.00 - 0.35
- 0.36 - 0.99
- 1.00 - 6.99
- 7.00 - 9.99
- 10.00 - 19.99
- 20.00 - 100.00



Miami
Esri, TomTom, Garmin, FAO, NOAA,
USGS, EPA

Nitrate in wells 2019-present

Data:
FDEP
FDOH
ACEPD
SRWMD
AquiferWatch



Nitrate (mg/L)

- 0.00 - 0.35
- 0.36 - 0.99
- 1.00 - 6.99
- 7.00 - 9.99
- 10.00 - 19.99
- 20.00 - 100.00

0 4.5 9 18 Miles

Miami
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USGS, EPA

How did we get here?

Agriculture industry adjusts its practices to lessen toll on Suwannee. Is it working?



What else can we do?

FREE well test program:

- Nitrate-nitrite
- Specific conductance
- Total coliform
- Fecal coliform





Address barriers to testing:

- Socioeconomic class
- Knowledge
- Risk perception
- Inconvenience



Is Your Water Well?

Have you tested your well water this year?



Ensure your family's safety. Scan now for a FREE well test!



Partners

AquiferWatch
McGlynn Laboratories
Libraries
Rotary Club
North Florida Freemasons
Suwannee River Area Health Education Council
Florida School of Traditional Midwifery
Riverbend Midwifery
Our Santa Fe River
Florida Springs Institute
& more!

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Alachua County Environmental Protection Department

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