

# NC PFAST Network

## Study Context and Policy Landscape

*September 28, 2018*



Policy  
Collaboratory

**Jeffrey Warren, PhD**  
**Research Director**

# 2018 Appropriations Act *(S99; SL 2018-5)*

### **FUNDING TO ADDRESS PER- AND POLY-FLUOROALKYL SUBSTANCES, INCLUDING GENX/USE OF EXPERTISE AND TECHNOLOGY AVAILABLE IN INSTITUTIONS OF HIGHER EDUCATION LOCATED WITHIN THE STATE**

**SECTION 13.1.(f)** The General Assembly finds that (i) per- and poly-fluoroalkyl substances (PFAS), including the chemical known as "GenX" (CAS registry number 62037-80-3 or 13252-13-6), are present in multiple watersheds in the State, and impair drinking water and (ii) these contaminants have been discovered largely through academic research not through systematic water quality monitoring programs operated by the Department of Environmental Quality or other State or federal agencies. The General Assembly finds that the profound, extensive, and nationally recognized faculty expertise, technology, and instrumentation existing within the Universities of North Carolina at Chapel Hill and Wilmington, North Carolina State University, North Carolina A&T State University, Duke University, and other public and private institutions of higher education located throughout the State should be maximally utilized to address the occurrence of PFAS, including GenX, in drinking water resources.

# 2018 Appropriations Act *(S99; SL 2018-5)*

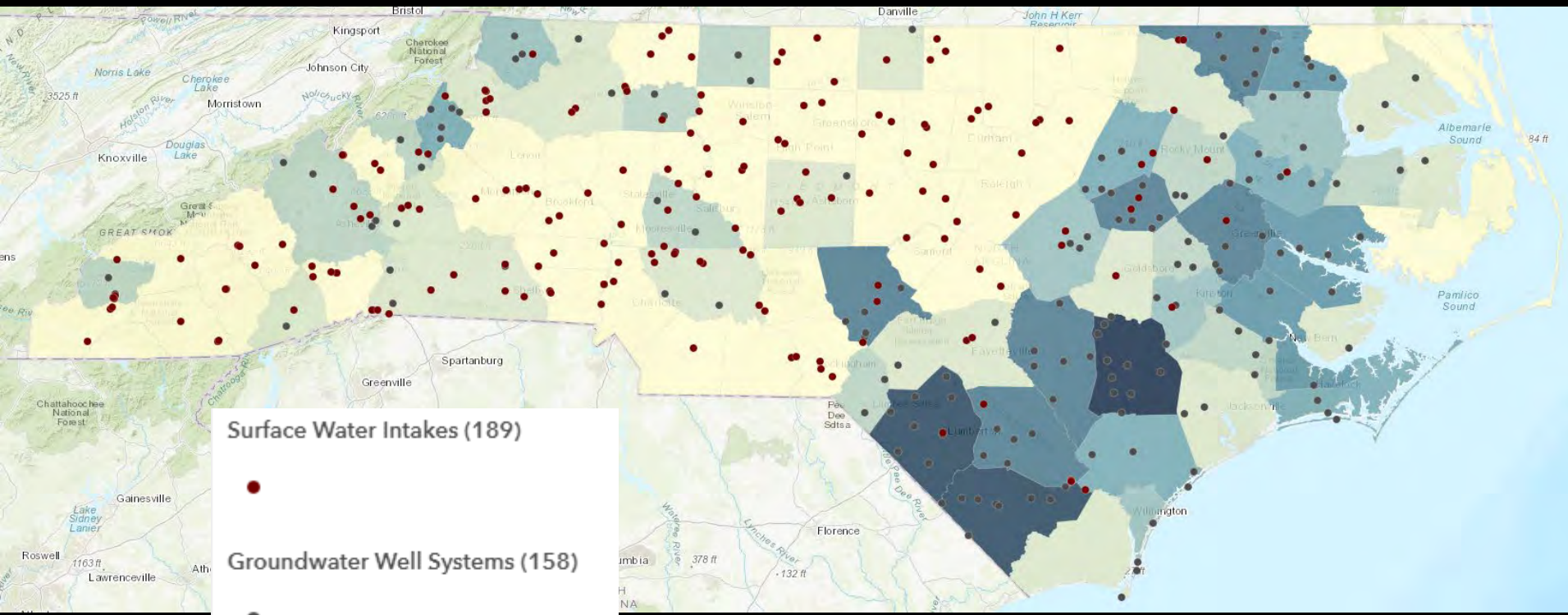
**Section 13.1.(f)** – Findings statement that academic expertise & instrumentation in public and private universities in NC should be “maximally utilized to address the occurrence of PFAS, including GenX, in drinking water resources.”

# 2018 Appropriations Act *(S99; SL 2018-5)*

## Section 13.1.(g) – Water sampling scope

- ALL public water supply surface water intakes (n=190)
- One well selected by each muni water supply system operating groundwater wells for public water supply (688 total wells in 158 munis; n=158)

***TOTAL SAMPLE UNIVERSE n=348***



**Surface Water Intakes (189)**

●

**Groundwater Well Systems (158)**

●

**Groundwater\_Systems\_by\_County**

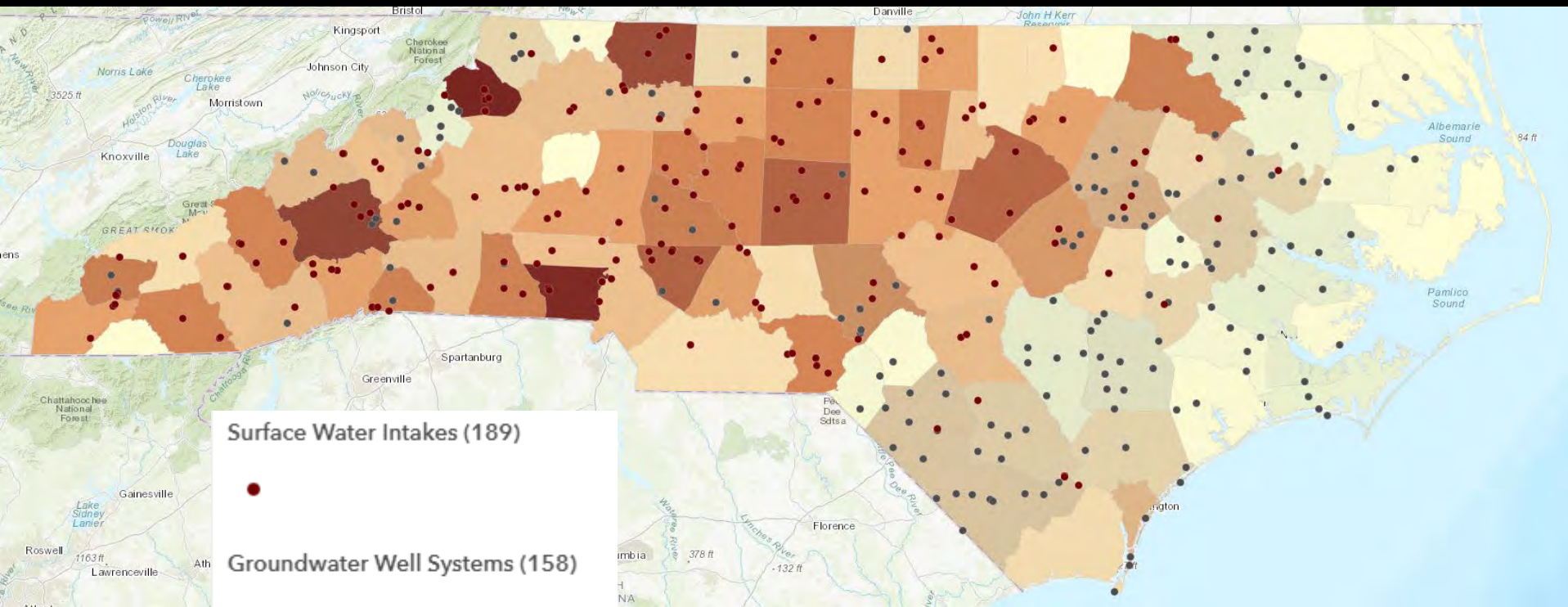
**GW\_Systems**

> 9

4.5

< 0





**Surface Water Intakes (189)**

●

**Groundwater Well Systems (158)**

●

**Surface Water\_Intakes\_by\_County**

**SW\_Intakes**

> 7

3.5

< 0

# 2018 Appropriations Act *(S99; SL 2018-5)*

## Section 13.1.(h) – Reporting requirements

Quarterly progress reports due to NCGA Environmental Review Commission and regulatory agencies (NCDEQ, NCDHHS, EPA) starting **October 1, 2018**

# 2018 Appropriations Act *(S99; SL 2018-5)*

## Section 13.1.(i) – Appropriation

**\$5,013,000**

*(FY 2018-19; non-recurring but non-reverting)*



# 2018 Appropriations Act *(S99; SL 2018-5)*

## Section 13.1.(j) – Research Leveraging

Collaboratory shall pursue public and private funding/research opportunities relevant to PFAS to leverage Challenge Grant

# 2018 Appropriations Act *(S99; SL 2018-5)*

## Section 13.1.(k) – State Agency Support

If EPA no longer provides analytical support, UNC System shall assist NCDEQ with faculty and instrumentation for sample analysis

# 2018 Appropriations Act *(S99; SL 2018-5)*

## Section 13.1.(l) – Other Research Directives

- Predictive modelling of private well contamination
- Performance testing of removal technologies
- Air emissions & atmospheric deposition
- Evaluate other research opportunities

# PFAST Network

## Core Academic Team



THE UNIVERSITY  
*of* NORTH CAROLINA  
*at* CHAPEL HILL

**NC STATE**  
UNIVERSITY



UNC CHARLOTTE



**ECU**<sup>®</sup>



**NORTH CAROLINA  
AGRICULTURAL AND TECHNICAL  
STATE UNIVERSITY**

**NC** Policy  
Collaboratory

**Duke**  
UNIVERSITY

# Policy Discussion

## NC State Legislative Panel



**NC Representative  
Pracey Harrison  
(D – Guilford)**  
*House District 57*



**NC Senator  
Floyd McKissick  
(D – Durham, Granville)**  
*Senate District 20*



**NC Representative  
John Szoka  
(R – Cumberland)**  
*House District 45*



**NC Senator  
Michael Lee  
(R – New Hanover)**  
*Senate District 9*



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