

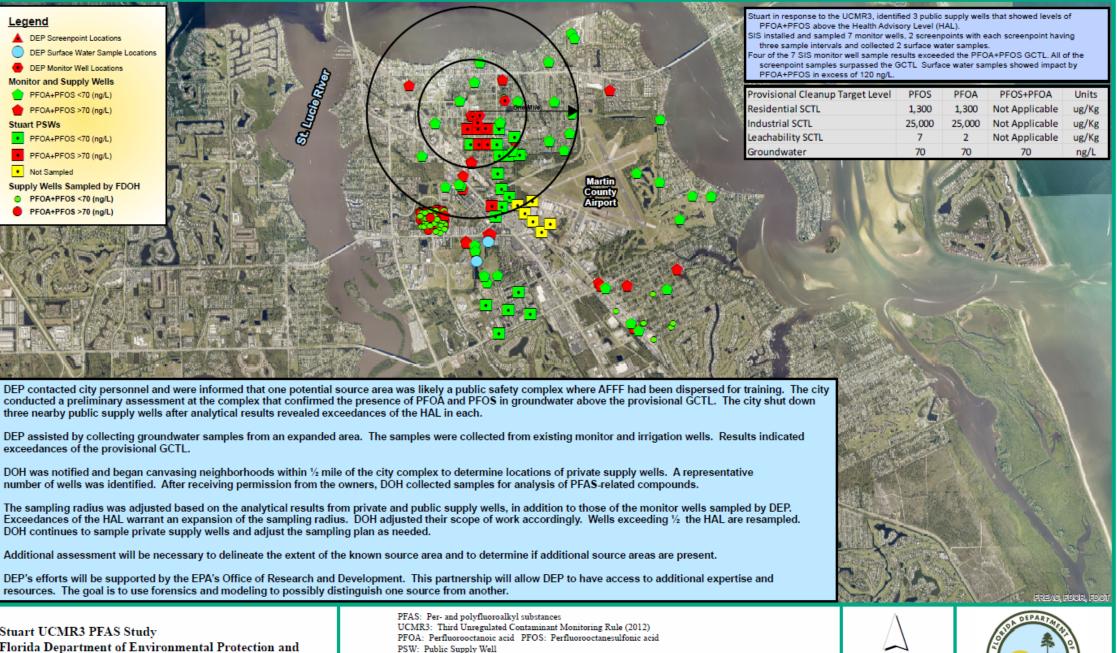
As of September 11, 2019

HAL: Health Advisory Level (PFOA+PFOS=70 ng/L)

FDOH: Florida Department of Health







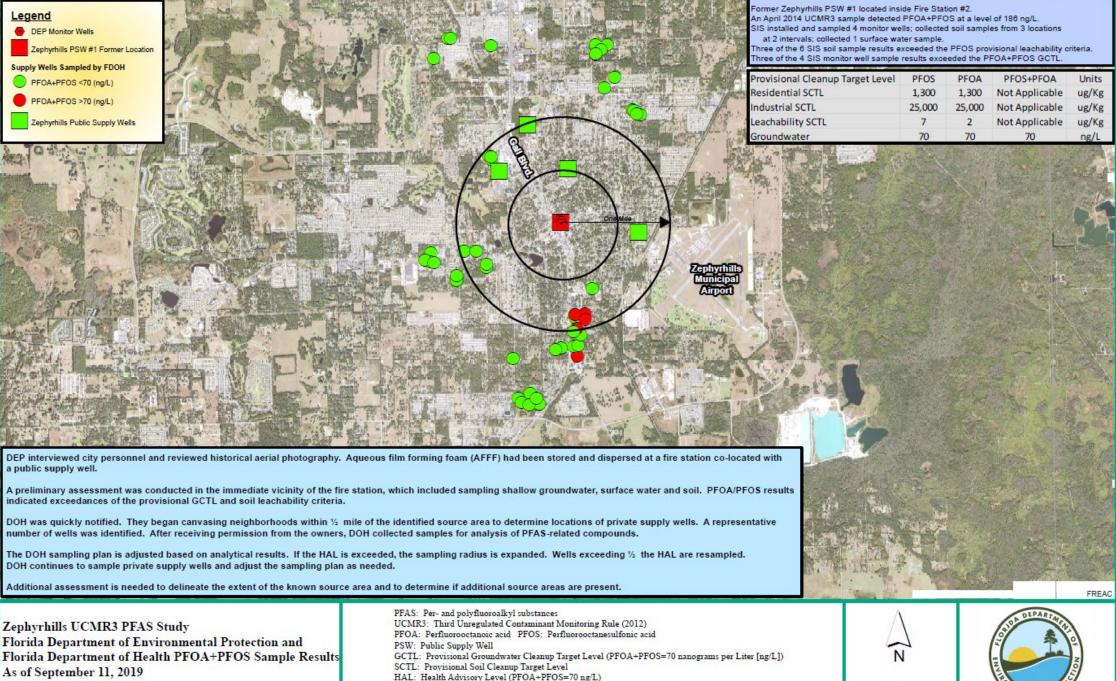
Stuart UCMR3 PFAS Study Florida Department of Environmental Protection and Florida Department of Health PFOA+PFOS Sample Results As of September 11, 2019 Stuart, Martin County, Florida

GCTL: Provisional Groundwater Cleanup Target Level (PFOA+PFOS=70 nanograms per Liter [ng/L])

SCTL: Provisional Soil Cleanup Target Level HAL: Health Advisory Level (PFOA+PFOS=70 ng/L)

FDOH: Florida Department of Health SIS: FDEP Site Investigation Section ug/Kg: micrograms per Kilogram





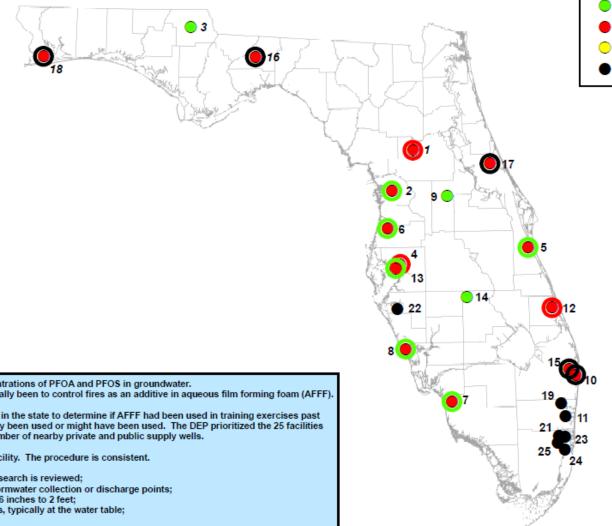
Zephyrhills, Pasco County, Florida

FDOH: Florida Department of Health SIS: FDEP Site Investigation Section





ID	Training Center
1	Florida State Fire College
2	Citrus Sheriff Fire Training Center
3	Chipola College
4	Hillsborough Community College
5	Melbourne Fire Training Facility
6	Pasco County Fire Rescue Training Center
7	Bonita Spings Fire Control and Rescue District
8	Englewood Fire Department
9	Lake Tech Fire Academy
10	Palm Beach State College
11	Plantation Fire Department
12	Indian River State College
13	Tampa Fire Rescue Training Facility
14	South Florida State College
15	Palm Beach County Fire Rescue
16	Tallahassee Fire Department
17	Volusia County Fire Training Center
18	Pensacola Fire Department
19	Coral Springs Fire Academy
20	Monroe County Training Academy (Joe London)
21	City of Hialeah Training Facility
22	Manatee Technical Institute Fire Academy
23	Miami Dade College
24	City of Miami Fire Rescue Training Center
25	Miami Dade Fire Rescue



< PFOA+PFOS Provisional GCTL

> PFOA+PFOS Provisional GCTL

Awaiting Analysis

Yet to be Sampled

FDOH Results < HAL

FDOH Results > HAL

Awaiting FDOH Results

Yet to be Sampled by FDOH

In 2016 the Florida DOH issued a HAL of 70 ng/L for the sum concentrations of PFOA and PFOS in groundwater. These compounds have a variety of uses, one of which has historically been to control fires as an additive in aqueous film forming foam (AFFF).

The DEP reached out to the 45 certified fire training facilities (FTFs) in the state to determine if AFFF had been used in training exercises past or present. A total of 25 facilities responded that AFFF had definitely been used or might have been used. The DEP prioritized the 25 facilities based on the frequency of AFFF usage, as well as the estimated number of nearby private and public supply wells.

DEP is conducting preliminary site assessments at each training facility. The procedure is consistent.

- Facilities are contacted and site access is secured;
- Interviews are conducted with facility personnel and historical research is reviewed;
- Likely locations are identified for AFFF storage, dispersal and stormwater collection or discharge points;
- Soil samples are collected generally from 0 to 6 inches and from 6 inches to 2 feet;
- Groundwater samples are collected from temporary monitor wells, typically at the water table;
- Samples are analyzed for PFAS;
- Results are compared to applicable provisional groundwater and soil criteria. Exceedances trigger notifications to DOH to identify nearby private supply wells and initiate sampling as needed;

Thus far, three facilities have confirmed off-site migration of PFOA/PFOS in groundwater.

//floridadep.gov/waste/waste-cleanup/content/fire-training-facilities-assessment-pfoa-and-pfos

Florida Fire Training Facilities PFAS Assessment Results With Associated Florida Department of Health Community Well Survey Sample Results As of September 11, 2019

Facilities are listed in order of priority to be addressed

PFAS: Per- and polyfluoroalkyl substances

PFOA: Perfluorooctanoic acid PFOS: Perfluorooctanesulfonic acid

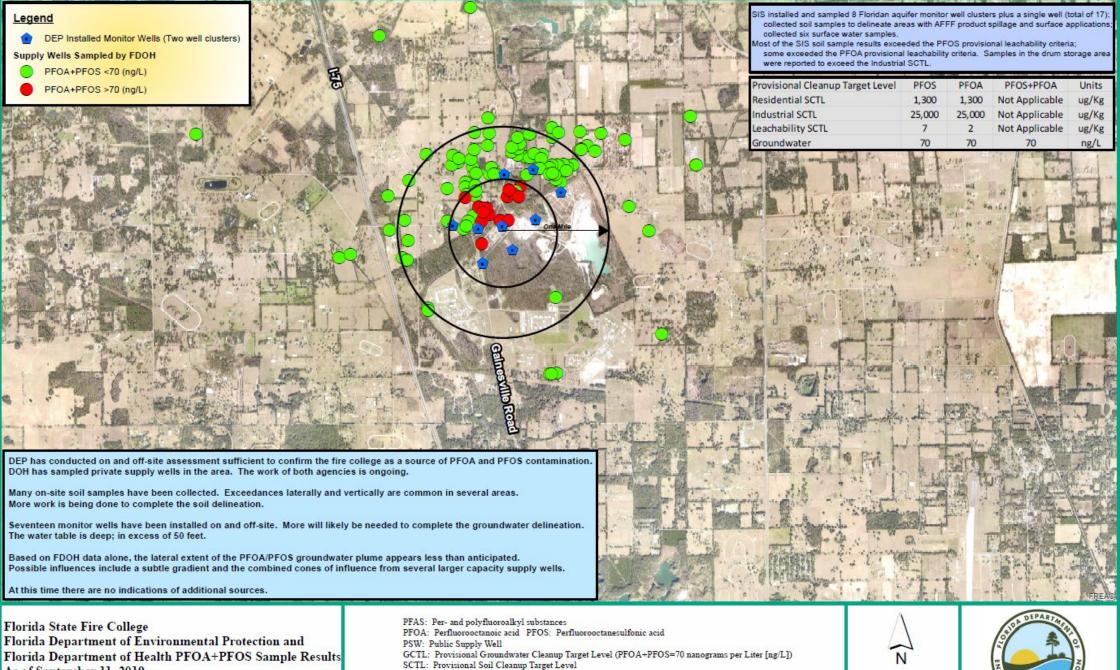
ng/L: nanograms per Liter

PGCTL: Provisional Groundwater Cleanup Target Level

HAL: Health Advisory Level FDOH: Florida Department of Health







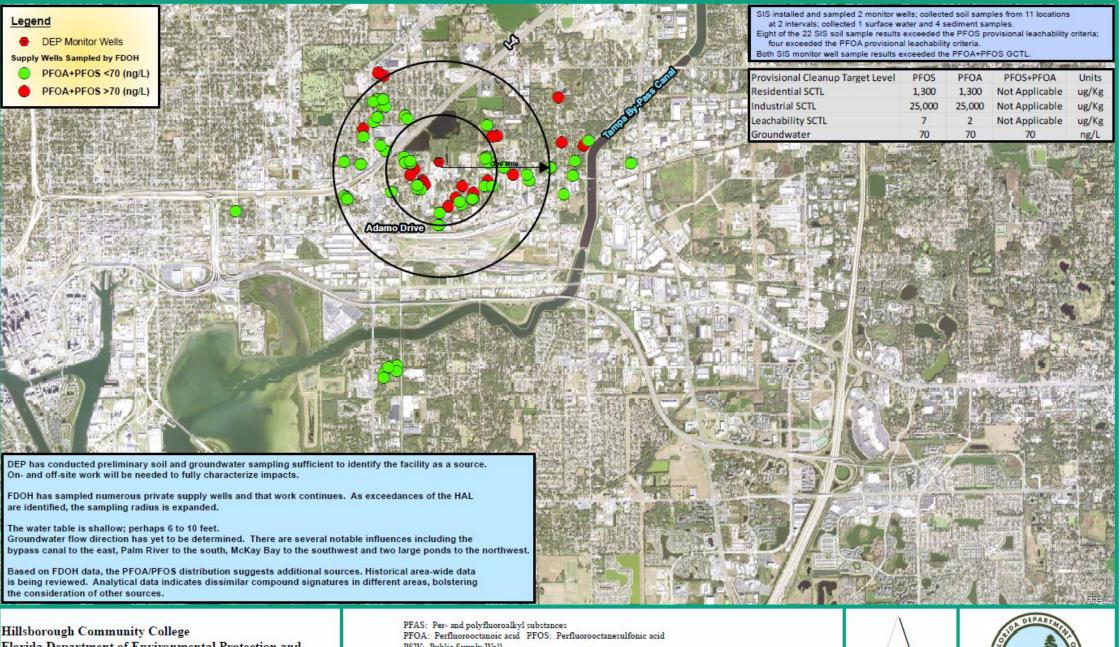
As of September 11, 2019 Ocala, Marion County, Florida

HAL: Health Advisory Level (PFOA+PFOS=70 ng/L)

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Florida Department of Environmental Protection and Florida Department of Health PFOA+PFOS Sample Results As of September 11, 2019 Tampa, Hillsborough County, Florida

PSW: Public Supply Well

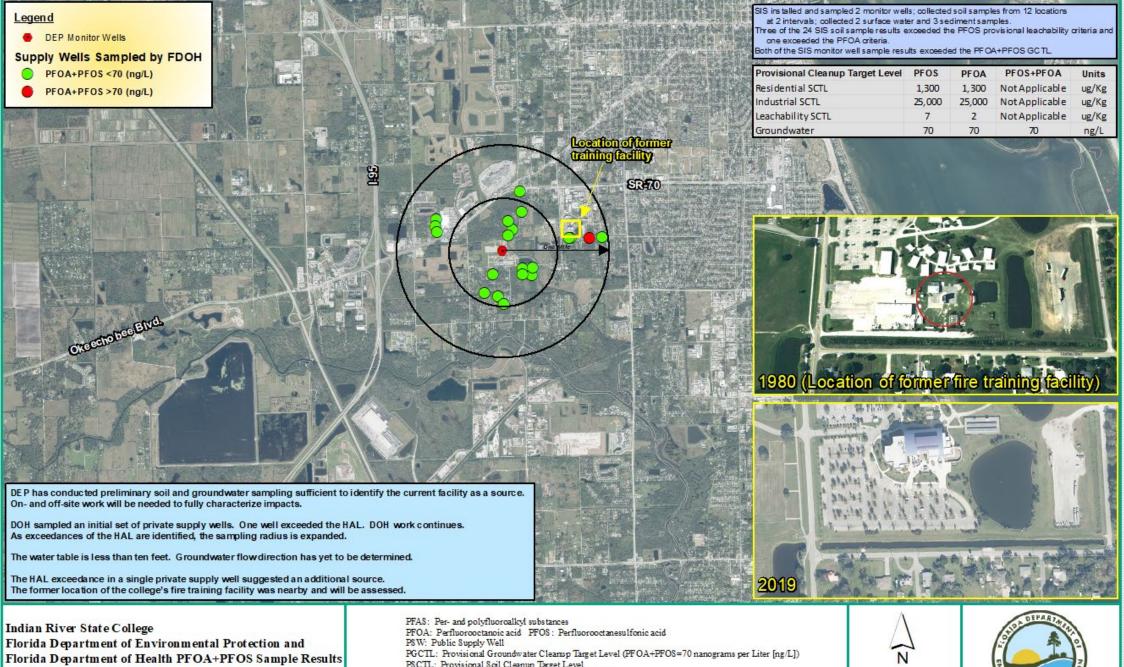
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As of September 11, 2019 Ft. Pierce, St. Lucie County, Florida

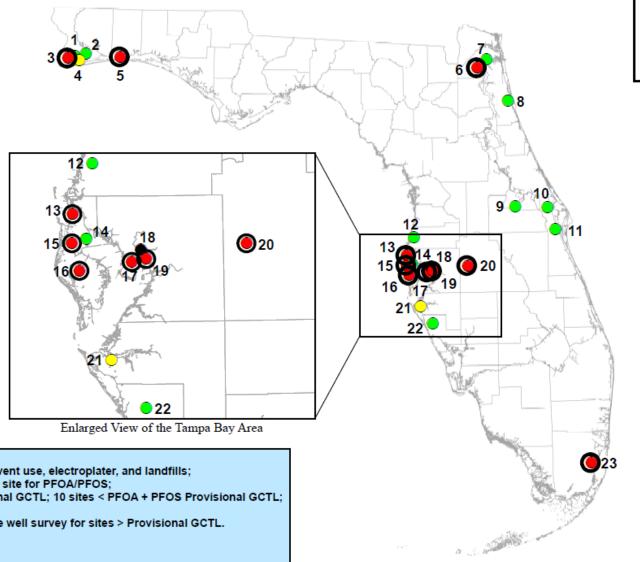
PSCTL: Provisional Soil Cleanup Target Level HAL: Health Advisory Level (PFOA+PFOS=70 ng/L)

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## 23 State-lead sites

- Include: Chemical manufacturer, industrial solvent use, electroplater, and landfills;
- Groundwater sampled from 2 monitor wells per site for PFOA/PFOS;
- Current data: 10 sites > PFOA + PFOS Provisional GCTL; 10 sites < PFOA + PFOS Provisional GCTL;
- 3 are awaiting data analysis;
- DEP has requested DOH assistance with private well survey for sites > Provisional GCTL.

## Next Steps:

- Awaiting results of DOH well surveys;
- Conduct additional sampling to determine source(s) at sites > Provisional GCTL.

Florida State Lead Sites PFAS Sample Results With Associated Florida Department of Health Community Well Survey Sample Results As of September 11, 2019

PFAS: Per- and polyfluoroalkyl substances

PFOA: Perfluorooctanoic acid PFOS: Perfluorooctanesulfonic acid PCTL: Provisional Cleanup Target Level

HAL: Health Advisory Level FDOH: Florida Department of Health





< PFOA+PFOS Provisional CTL

> PFOA+PFOS Provisional CTL

FDOH Results < HAL

Awaiting FDOH Results

Yet to be Sampled by FDOH

FDOH Results > HAL

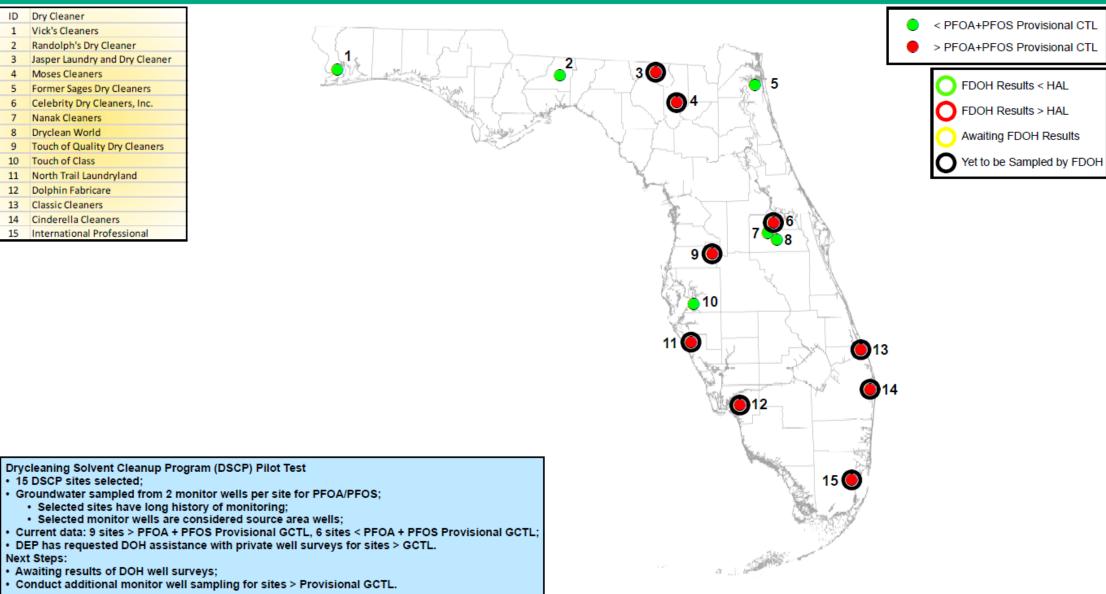
Awaiting Analysis

Not Sampled



· 15 DSCP sites selected:

Next Steps:



Florida Drycleaning Solvent Cleanup Program PFAS Sample Results With Associated Florida Department of Health Community Well Survey Sample Results As of September 11, 2019 Florida Department of Environmental Protection

· Awaiting results of DOH well surveys;

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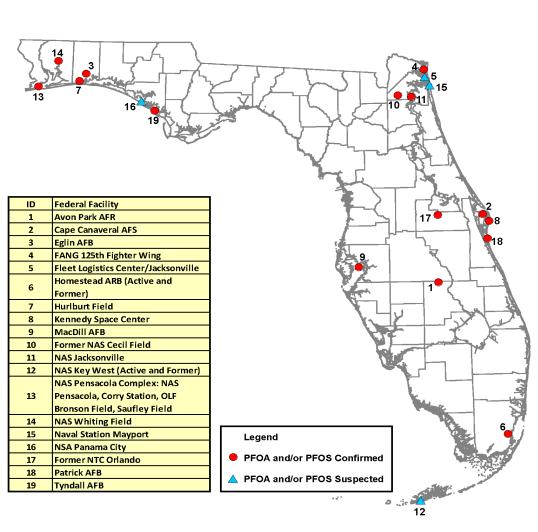


Awaiting FDOH Results

## PFAS at Federal Facilities

Figure from DEP webpage depicting confirmed and suspected locations with PFOA and/or PFOS.

https://floridadep.gov/waste/wastecleanup/content/pfas-investigation-federal-facilities



The information contained herein is based upon reports submitted to the Department. There may also be other locations in the State contaminated with PFOS/PFOA that have not yet been reported to the Department.

Updated July 29, 2019