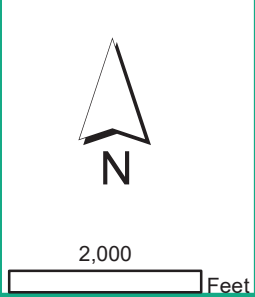
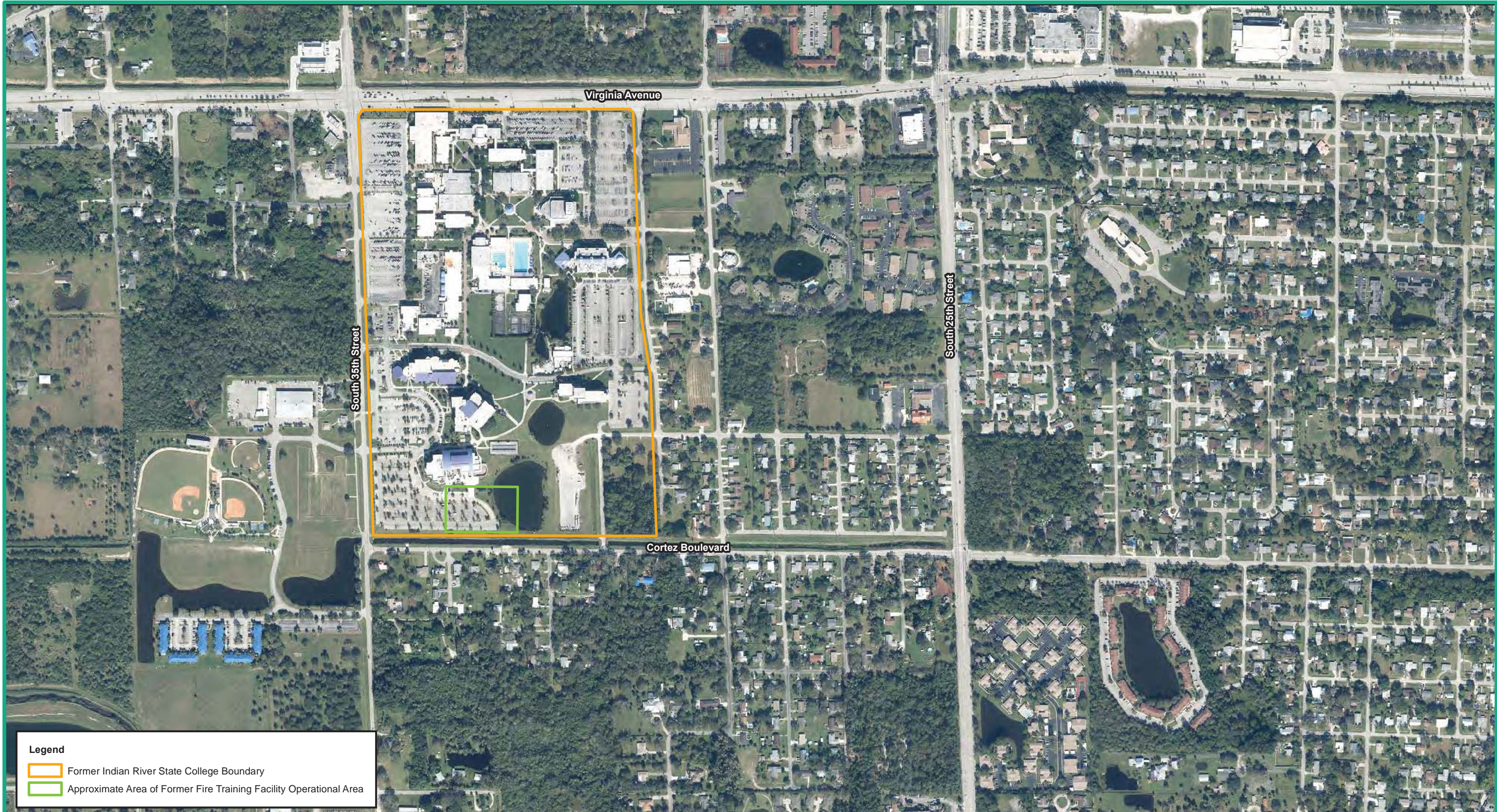


Figure 1
USGS Site Topographic Map
Former Indian River State College
Fort Pierce, St. Lucie County,
Florida



Date: June 09, 2020



Legend

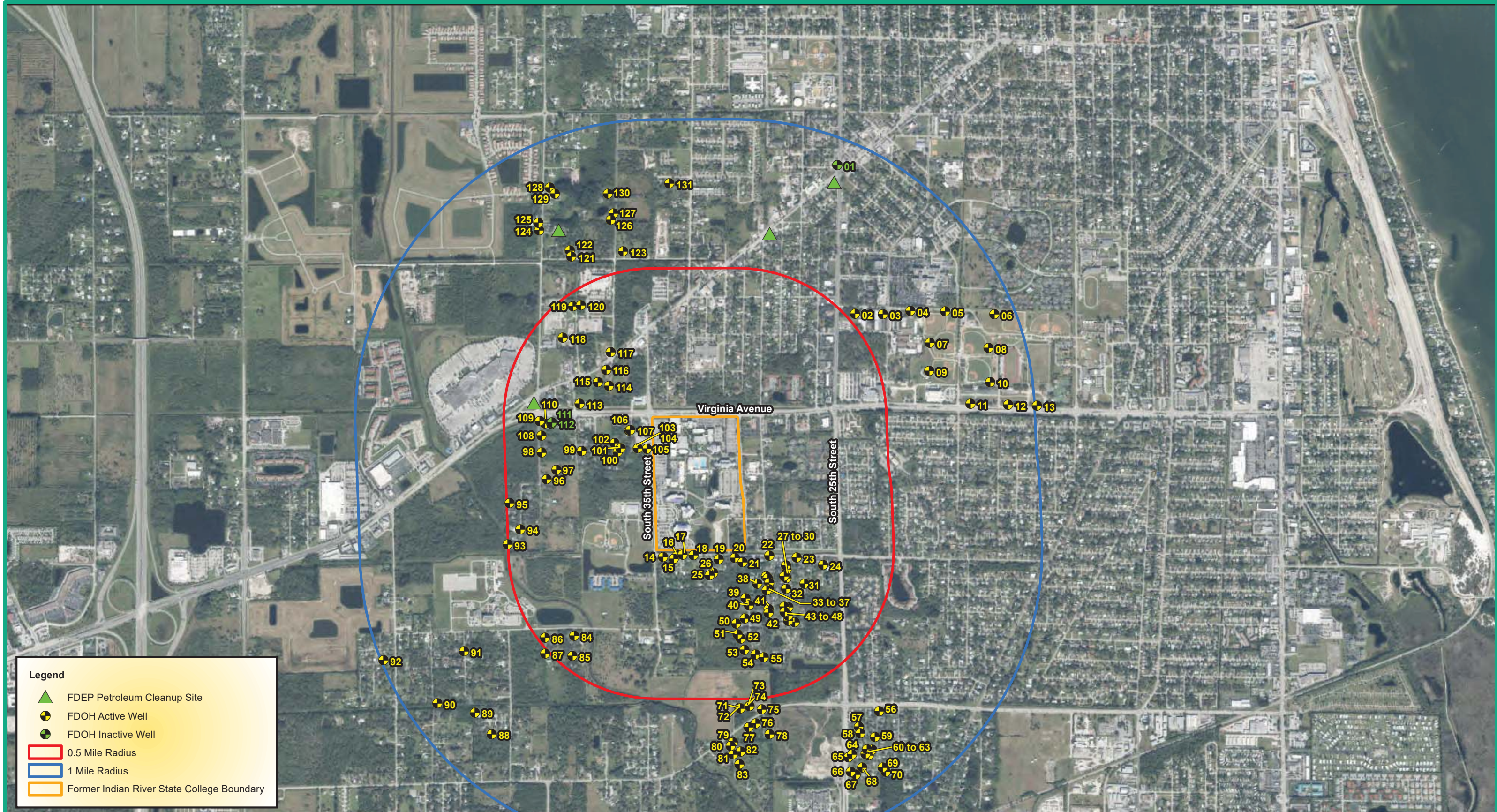
- Former Indian River State College Boundary
- Approximate Area of Former Fire Training Facility Operational Area

Figure 2
Site Vicinity Map
Former Indian River State College
Fort Pierce, St. Lucie County, Florida

Notes:
 1. Approximate Indian River State College Boundary obtained from St. Lucie County Property Appraiser (file downloaded 6 February 2020).
 2. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Date: June 16, 2020





Legend

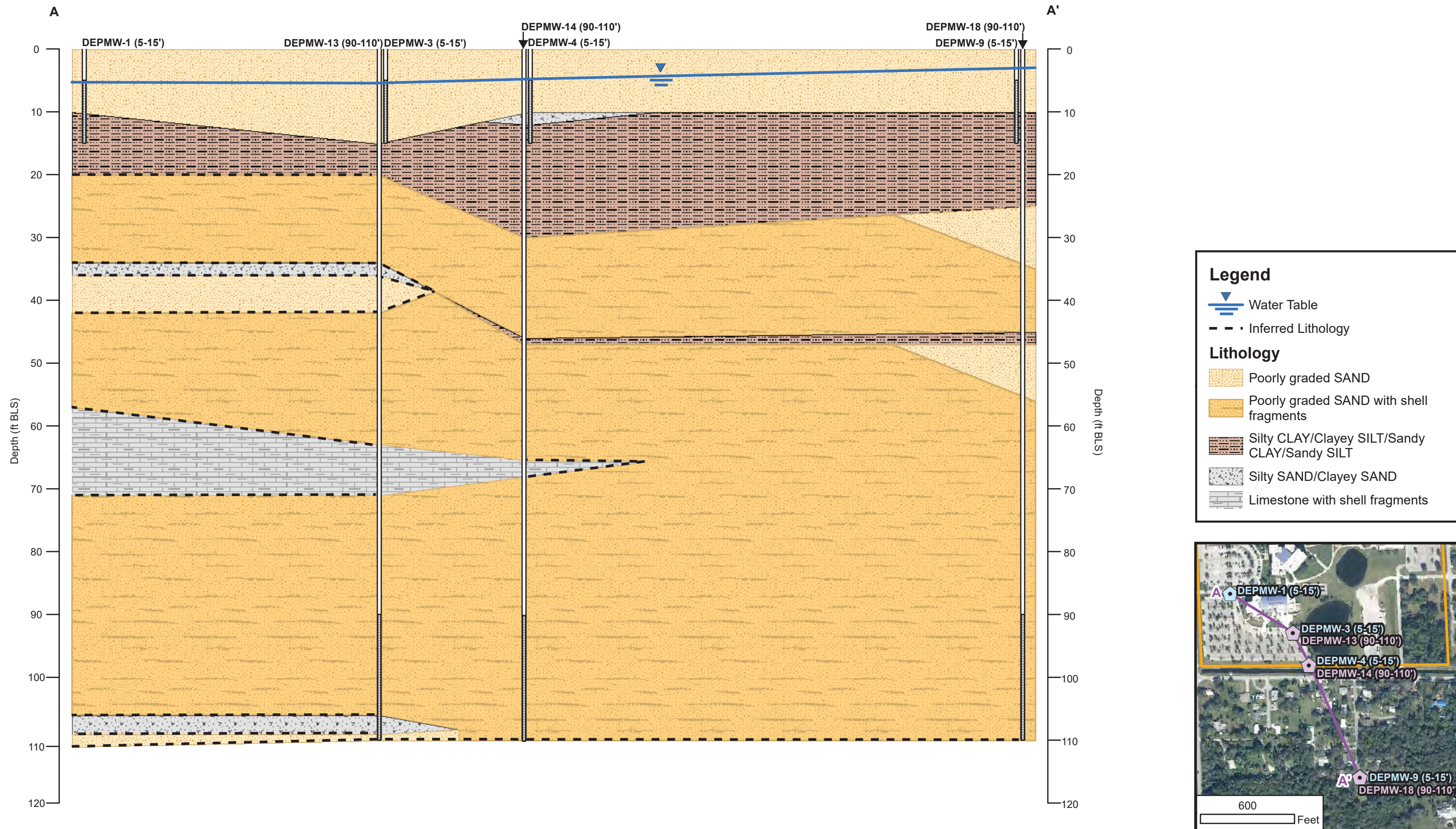
- FDEP Petroleum Cleanup Site
- FDOH Active Well
- FDOH Inactive Well
- 0.5 Mile Radius
- 1 Mile Radius
- Former Indian River State College Boundary

Figure 3
Water Wells within a 1-mile Radius
Former Indian River State College
Fort Pierce, St. Lucie County, Florida

- Notes:**
1. Source of Florida Department of Health (FDOH) wells: well surveillance program data download dated 13 April 2020.
 2. Active indicates the well is used on a regular basis or will be used within a reasonable period of time (2-3 months).
 Inactive indicates the well has not been regularly used within the past 6-12 months but is maintained in such a state that it could be used.
 3. Source of Florida Department of Environmental Protection (FDEP) Petroleum Cleanup Sites: Map Direct: Contamination Locator
 Map data download dated 4 June 2020.
 4. Approximate Indian River State College Boundary obtained from St. Lucie County Property Appraiser (file downloaded 6 February 2020).
 5. 2017 World Imagery Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

Date: June 16, 2020





Legend

Water Table

Inferred Lithology

Lithology

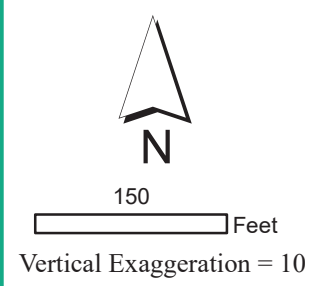
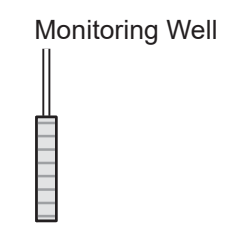
- Poorly graded SAND
- Poorly graded SAND with shell fragments
- Silty CLAY/Clayey SILT/Sandy CLAY/Sandy SILT
- Silty SAND/Clayey SAND
- Limestone with shell fragments



Figure 4
Cross Section A-A'
Former Indian River State College
Fort Pierce, St. Lucie County, Florida

Notes:
 1. ft BLS indicates feet below land surface.
 2. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website

Date: June 16, 2020



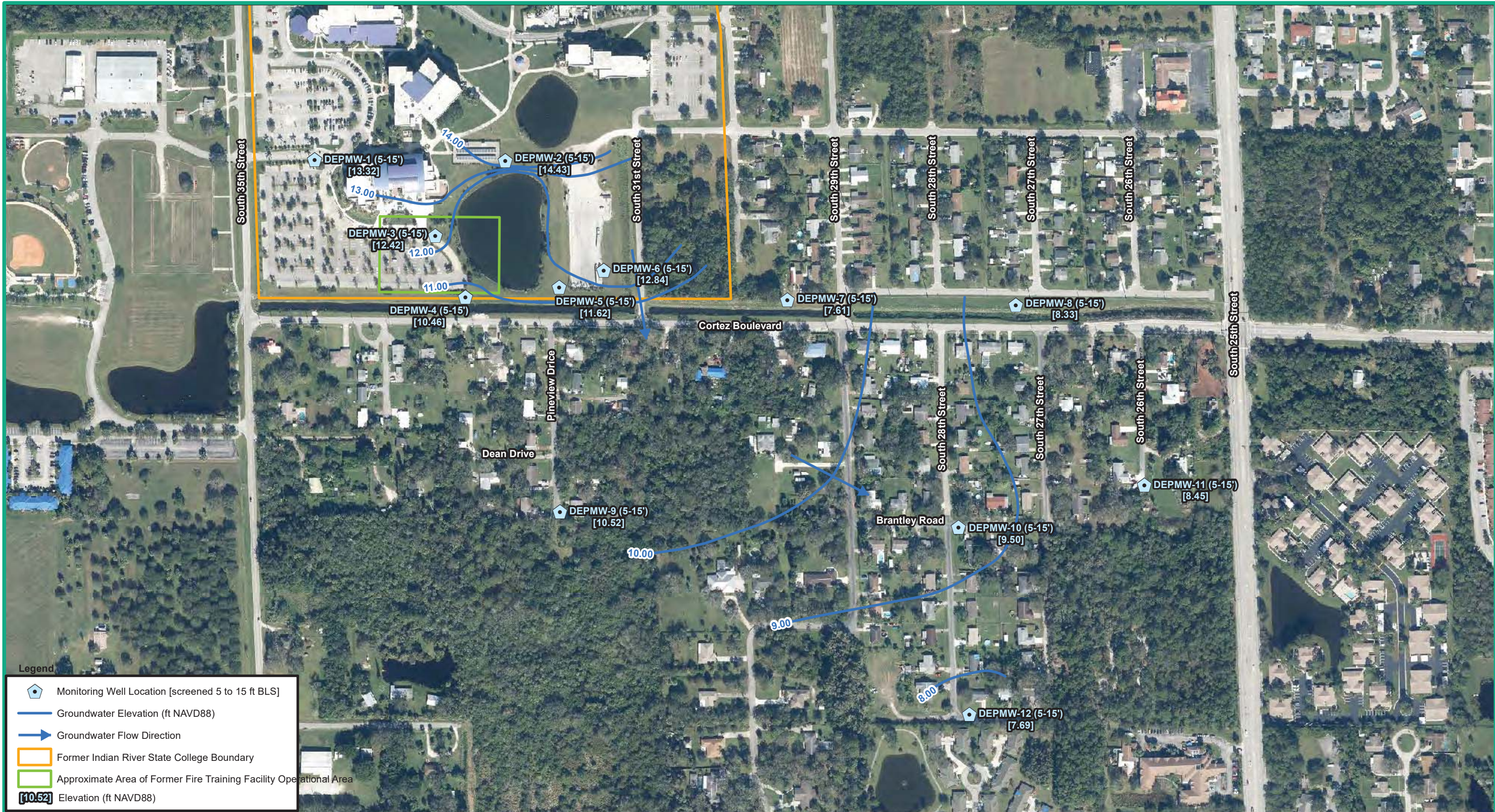


Figure 5
Groundwater Elevation Contour Map 5 to 15 ft BLS
Former Indian River State College
Fort Pierce, St. Lucie County, Florida

Notes:

1. NAVD88 indicates North American Vertical Datum of 1988.
2. ft BLS indicates feet below land surface.
3. Depth-to-water measurements were collected 18 May 2020.
4. Water level of the ditch parallel to Cortez Boulevard was not considered when developing groundwater elevation contours.
5. Water level elevation of retention pond was assumed approximately 11.5 feet based on field observation.
6. Approximate Indian River State College Boundary obtained from St. Lucie County Property Appraiser (file downloaded 6 February 2020).
7. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



300 Feet



Date: June 17, 2020

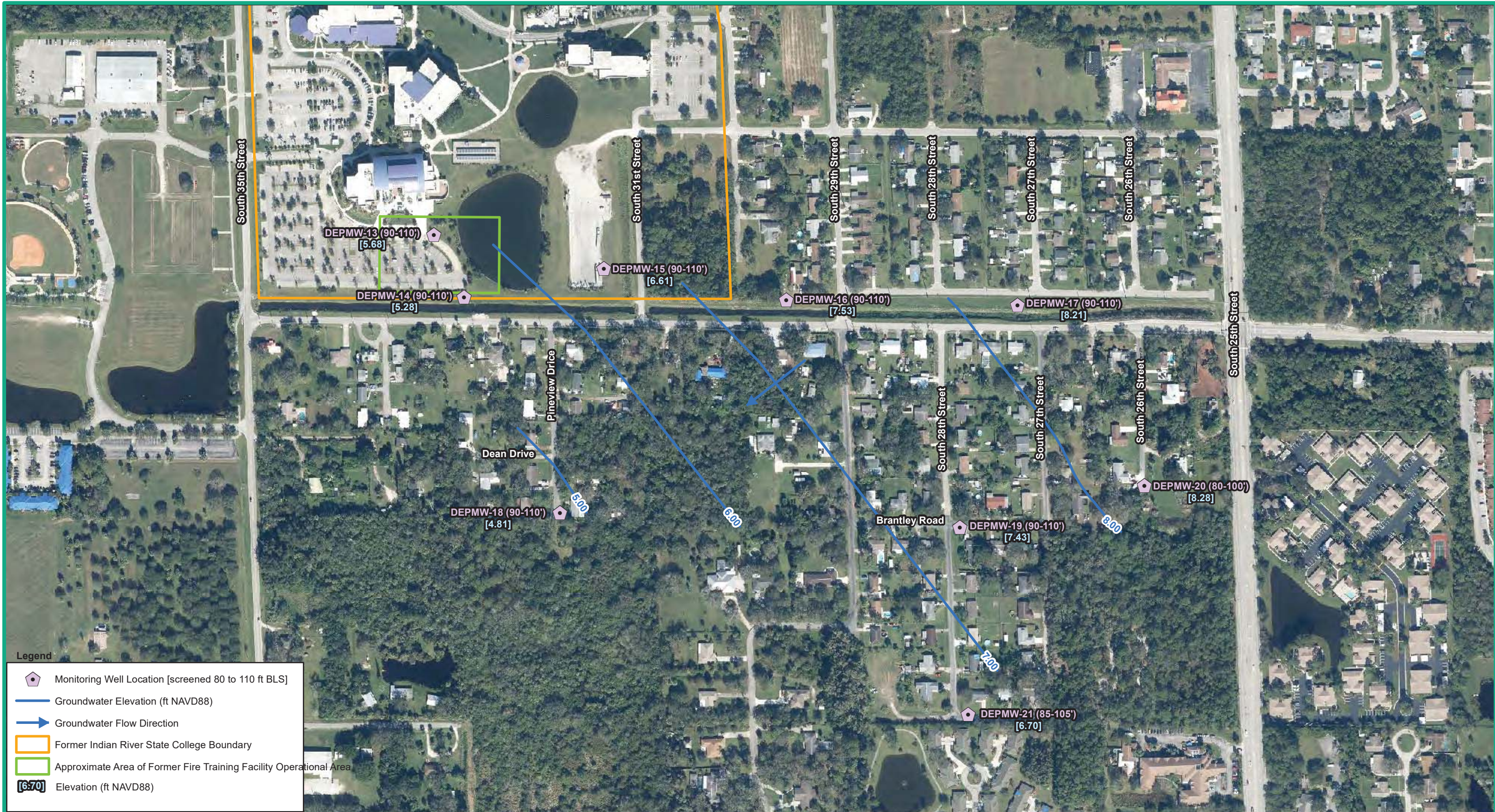
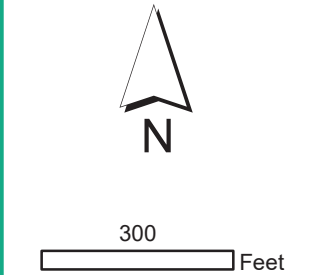


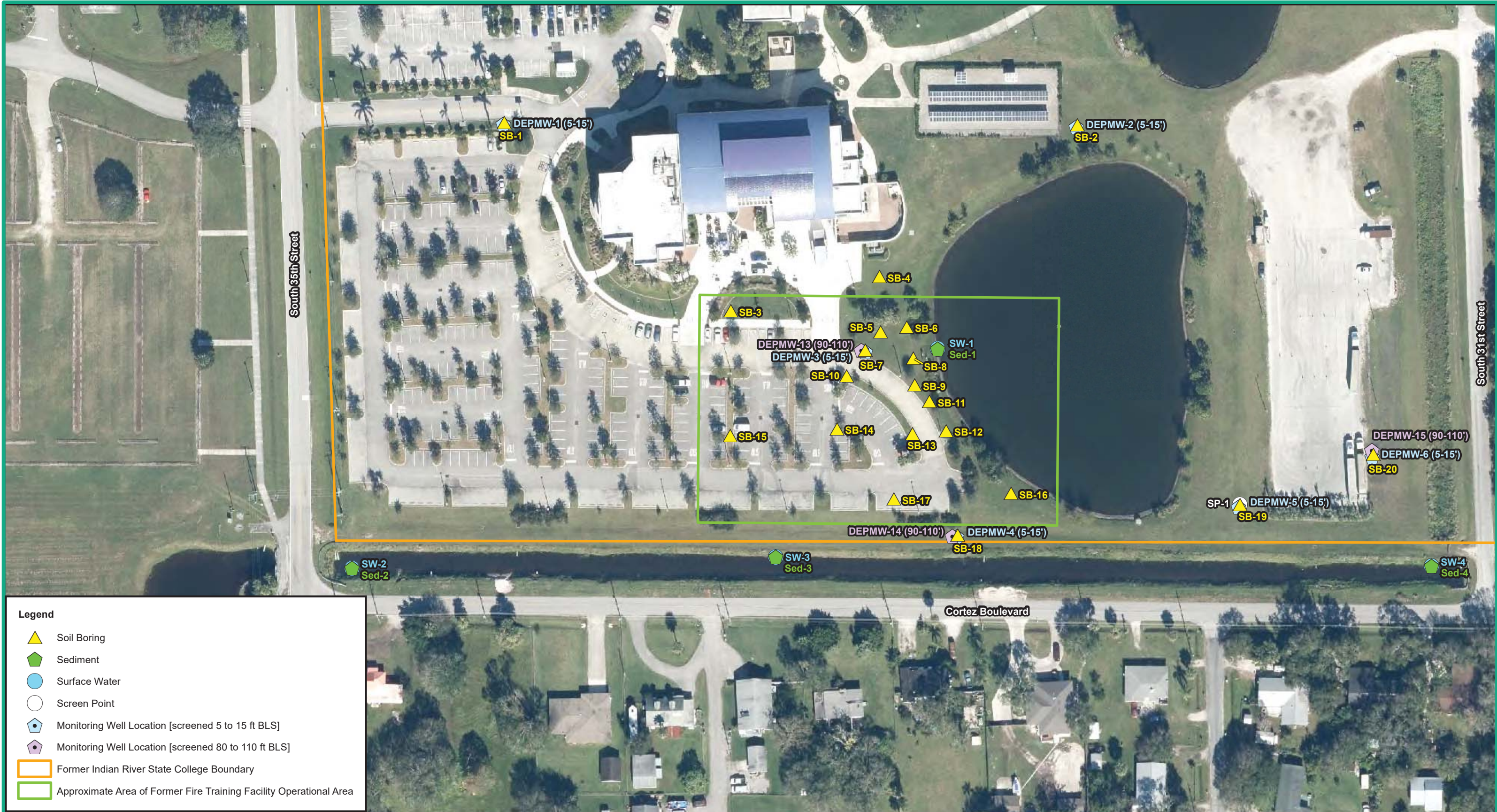
Figure 6
Groundwater Elevation Contour Map 80 to 110 ft BLS
Former Indian River State College
Fort Pierce, St. Lucie County, Florida

Notes:

1. NAVD88 indicates North American Vertical Datum of 1988.
2. ft BLS indicates feet below land surface.
3. Depth-to-water measurements were collected 18 May 2020.
4. Approximate Indian River State College Boundary obtained from St. Lucie County Property Appraiser (file downloaded 6 February 2020).
5. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



Date: June 17, 2020



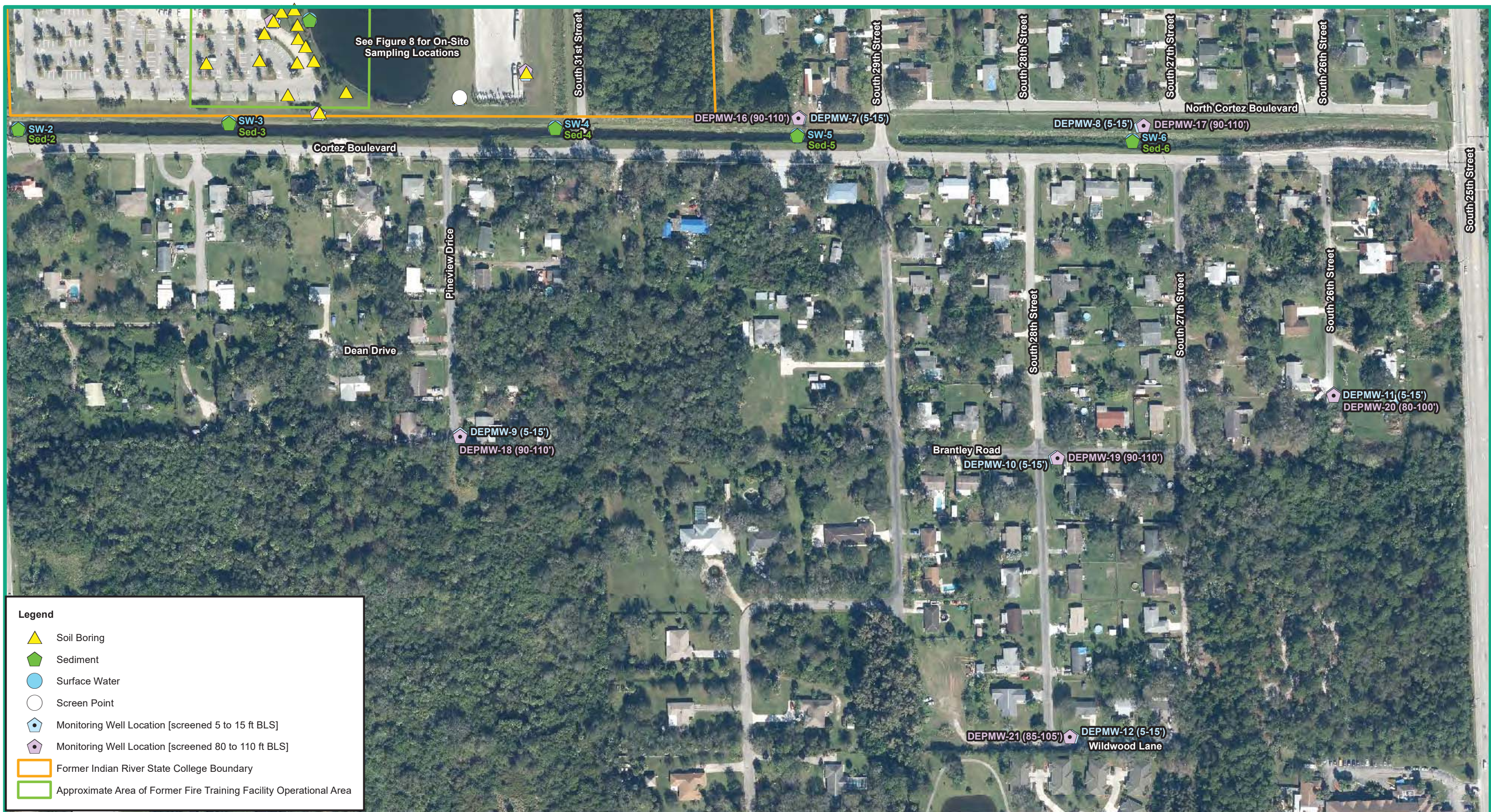
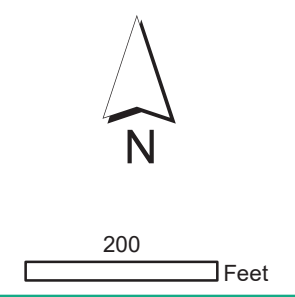


Figure 8
Off-Site Sampling Locations
Former Indian River State College
Fort Pierce, St. Lucie County, Florida

Notes:
 1. ft BLS indicates feet below land surface.
 2. Approximate Indian River State College Boundary obtained from St. Lucie County Property Appraiser (file downloaded 6 February 2020).
 3. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Date: June 17, 2020



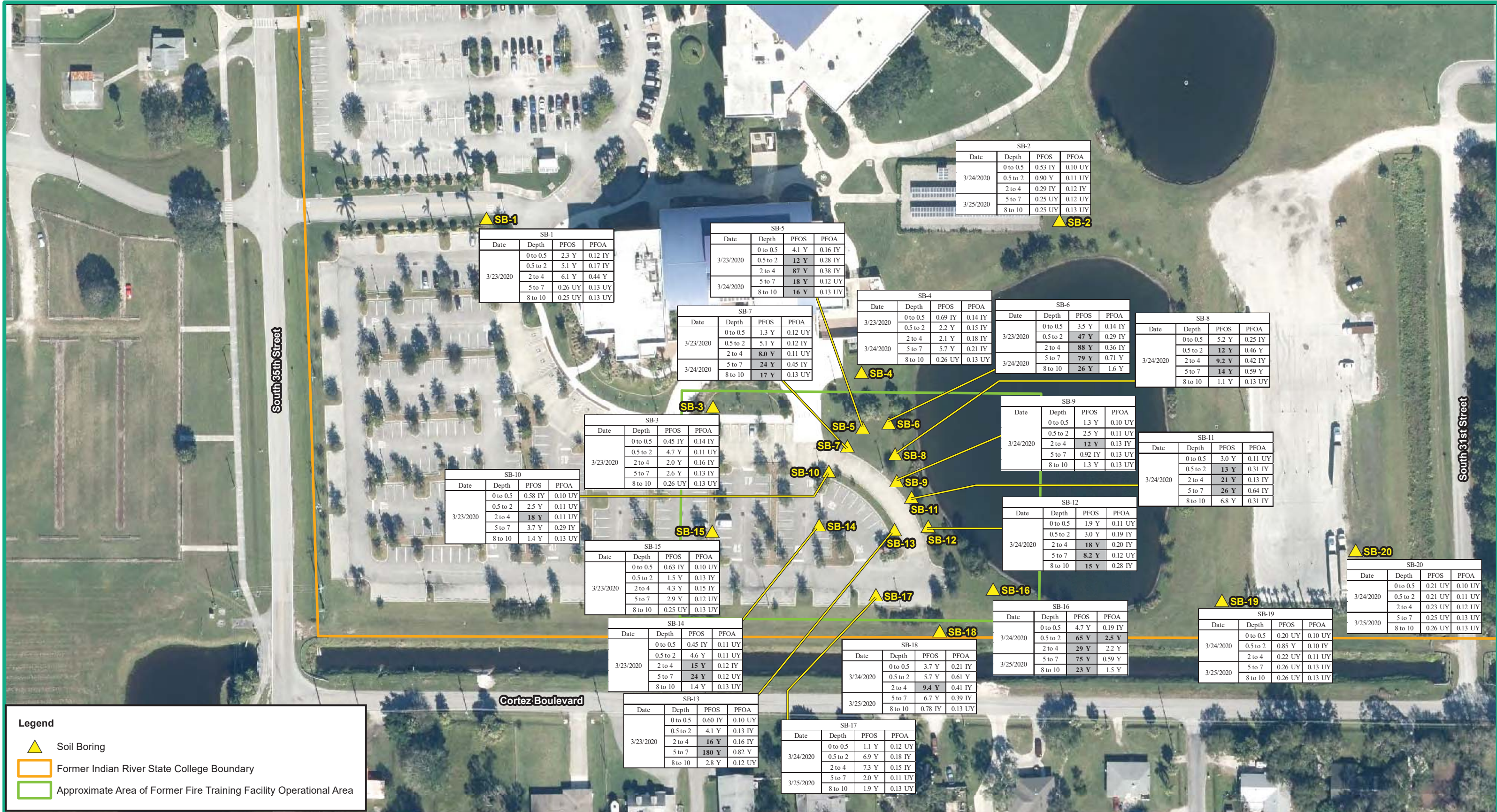
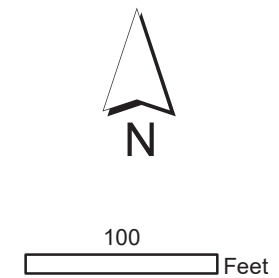


Figure 9
Summary of Analytical Results in Soil
Former Indian River State College
Fort Pierce, St. Lucie County, Florida

Date: June 16, 2020



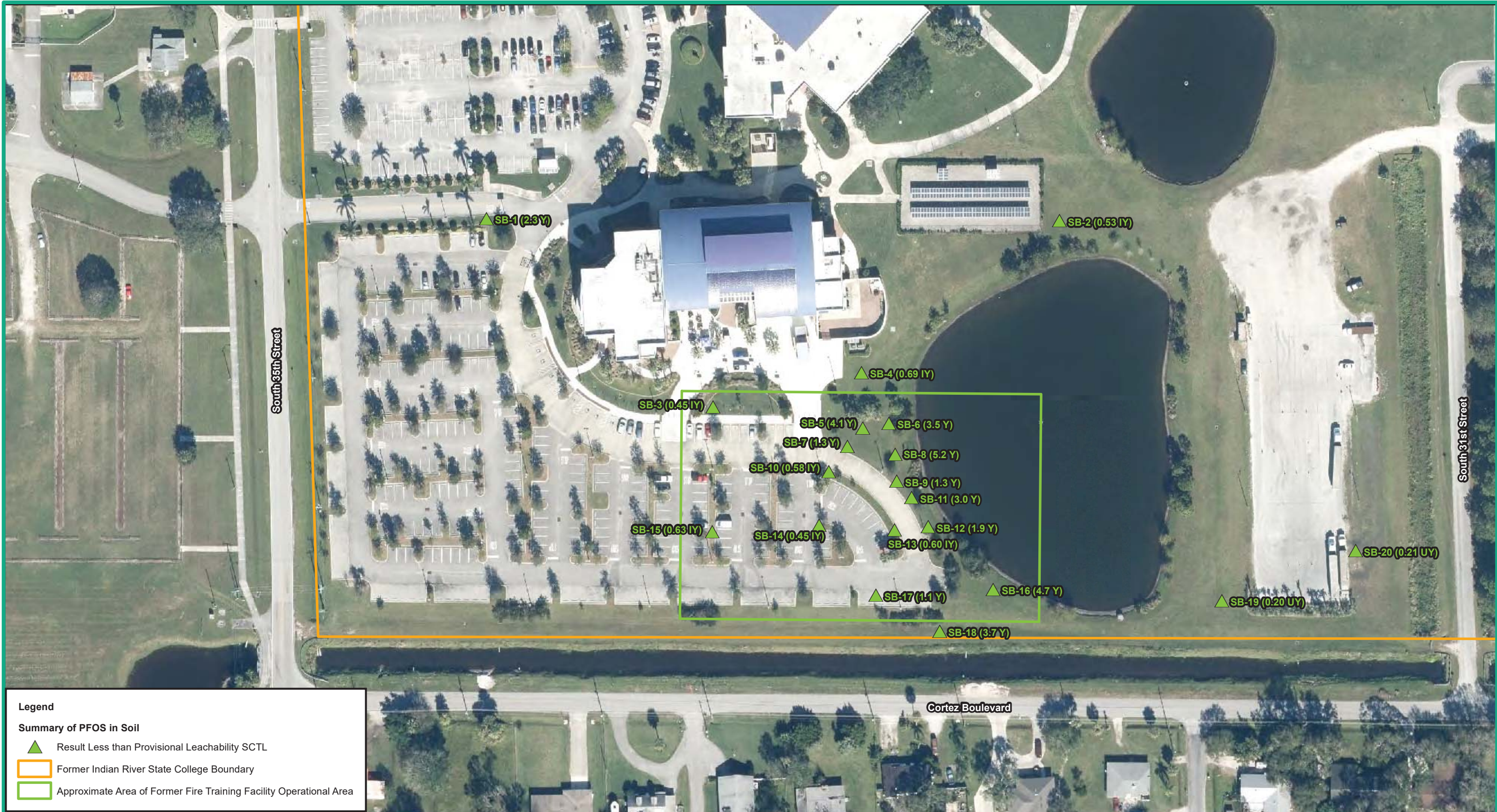
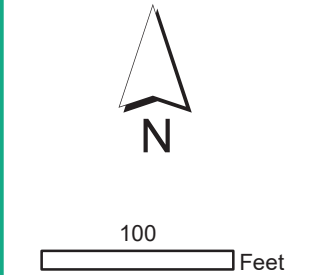


Figure 10
PFOS Results in Soil from 0 to 0.5 ft BLS
Former Indian River State College
Fort Pierce, St. Lucie County, Florida

Notes:

1. Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{Kg}$).
2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
3. U indicates that the compound was analyzed for but not detected (the MDL is shown).
4. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample.
5. ft BLS indicates feet below land surface.
6. Approximate Indian River State College Boundary obtained from St. Lucie County Property Appraiser (file downloaded 6 February 2020).
7. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Provisional Cleanup Target Level	Perfluorooctanesulfonic acid (PFOS)
Leachability SCTL	7
Residential SCTL	1,300
Industrial SCTL	25,000



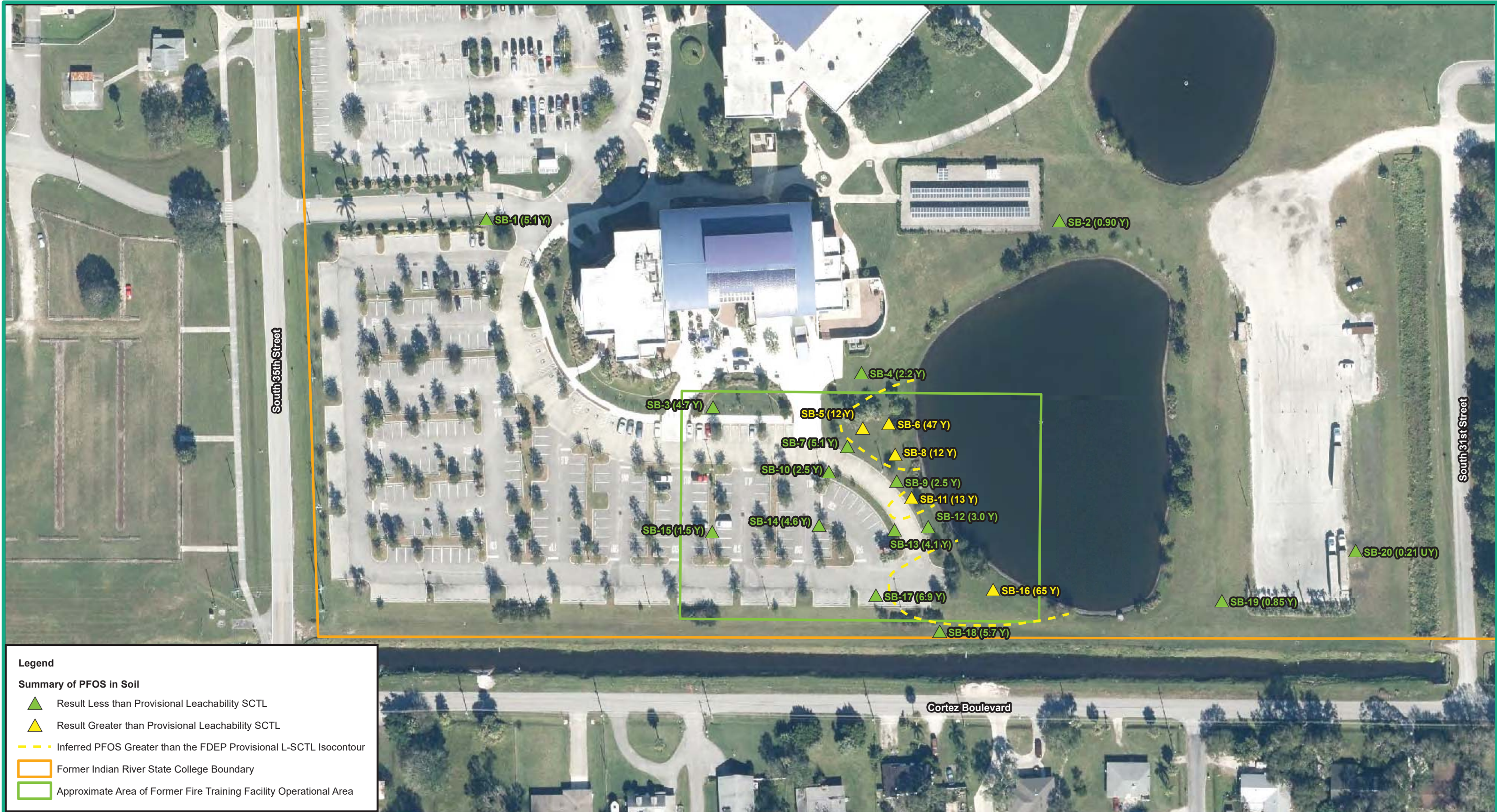
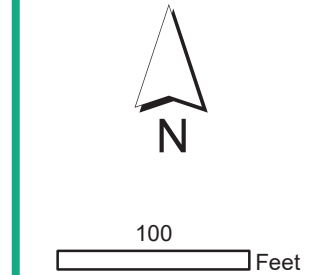


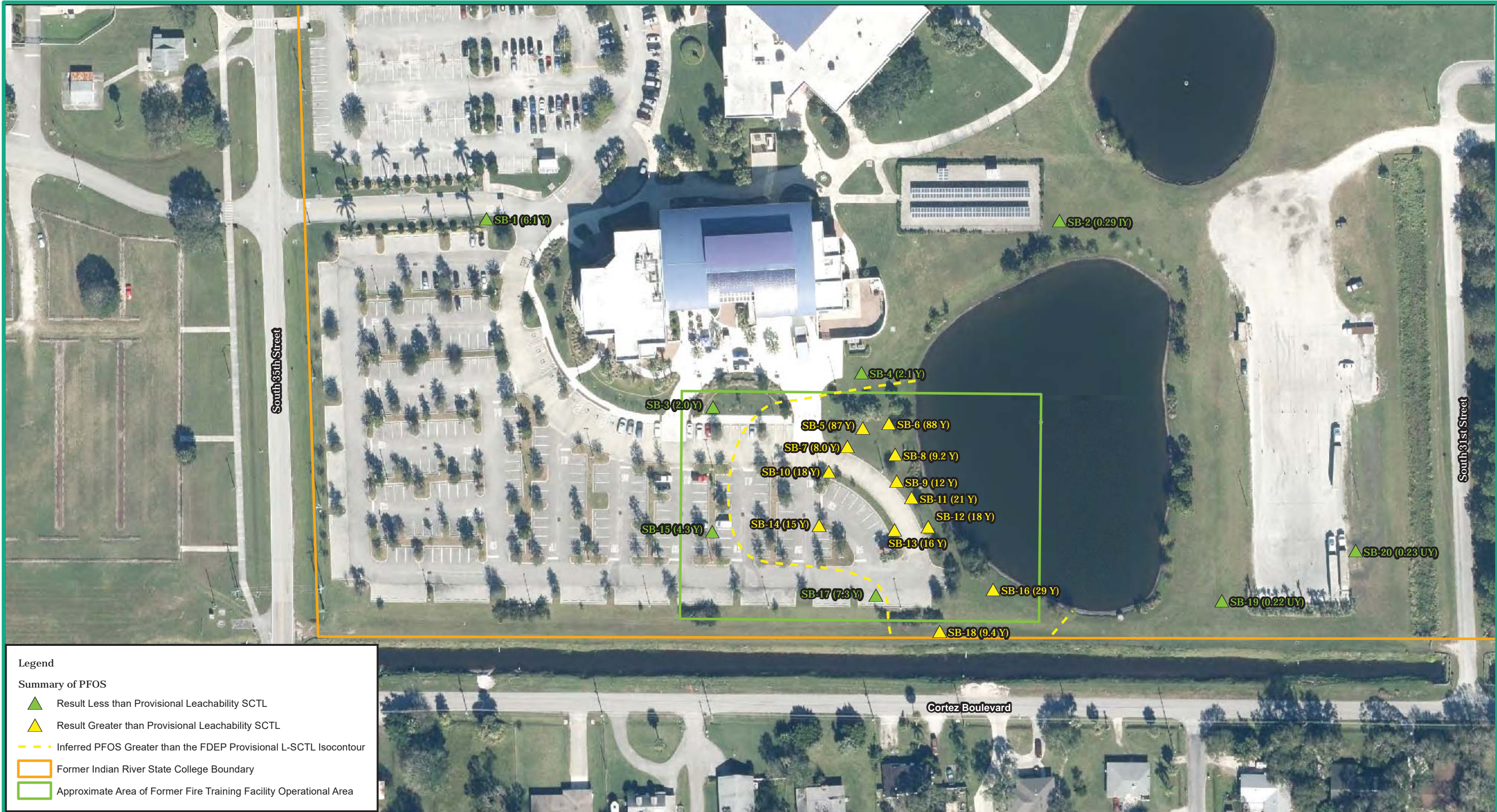
Figure 11
PFOS Results in Soil from 0.5 to 2 ft BLS
Former Indian River State College
Fort Pierce, St. Lucie County, Florida

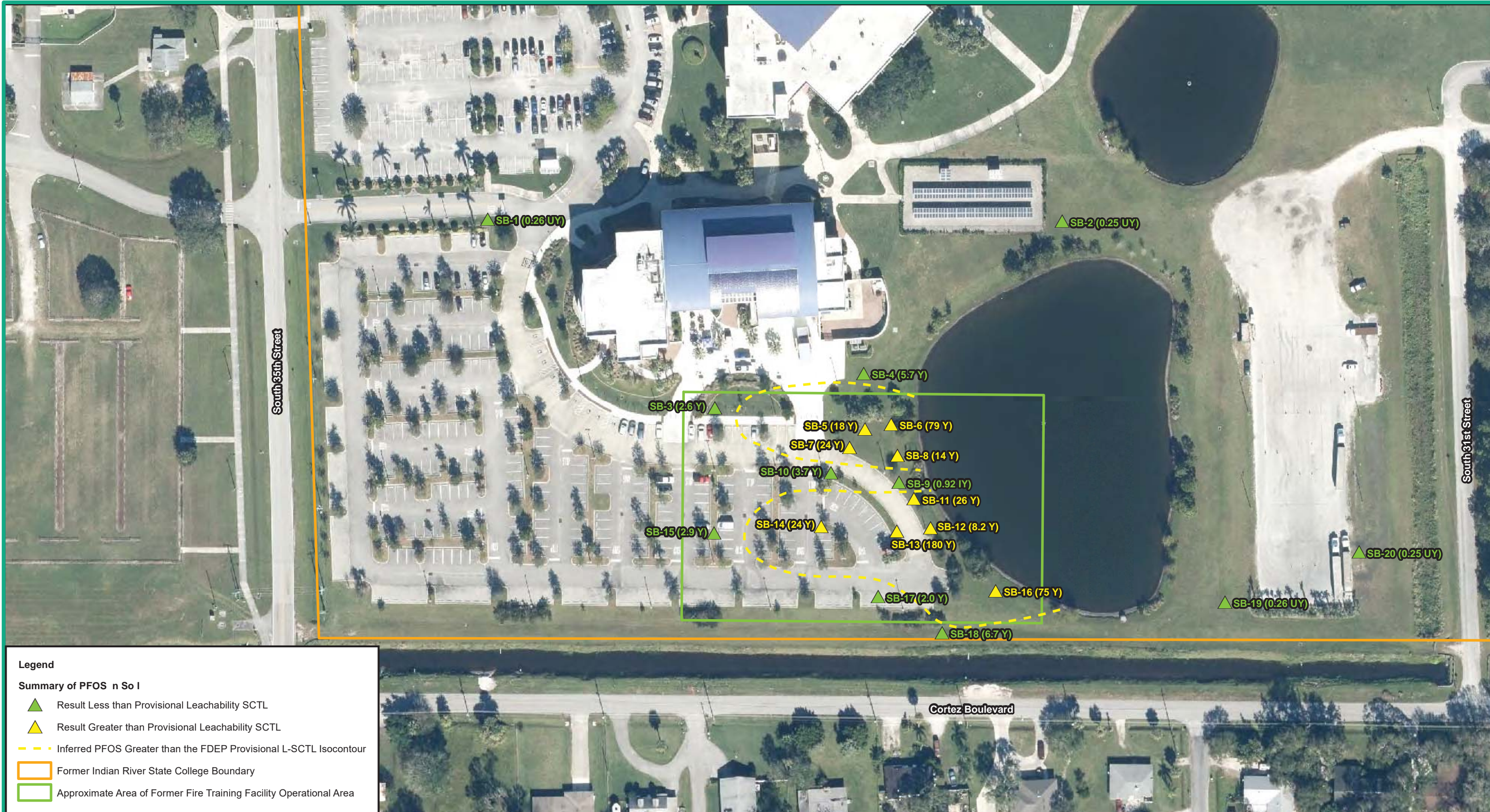
Notes:

1. Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{Kg}$).
2. U indicates that the compound was analyzed for but not detected (the method detection limit is shown).
3. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample.
4. ft BLS indicates feet below land surface.
5. Approximate Indian River State College Boundary obtained from St. Lucie County Property Appraiser (file downloaded 6 February 2020).
6. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Provisional Cleanup Target Level	Perfluorooctanesulfonic acid (PFOS)
Leachability SCTL	7
Residential SCTL	1,300
Industrial SCTL	25,000







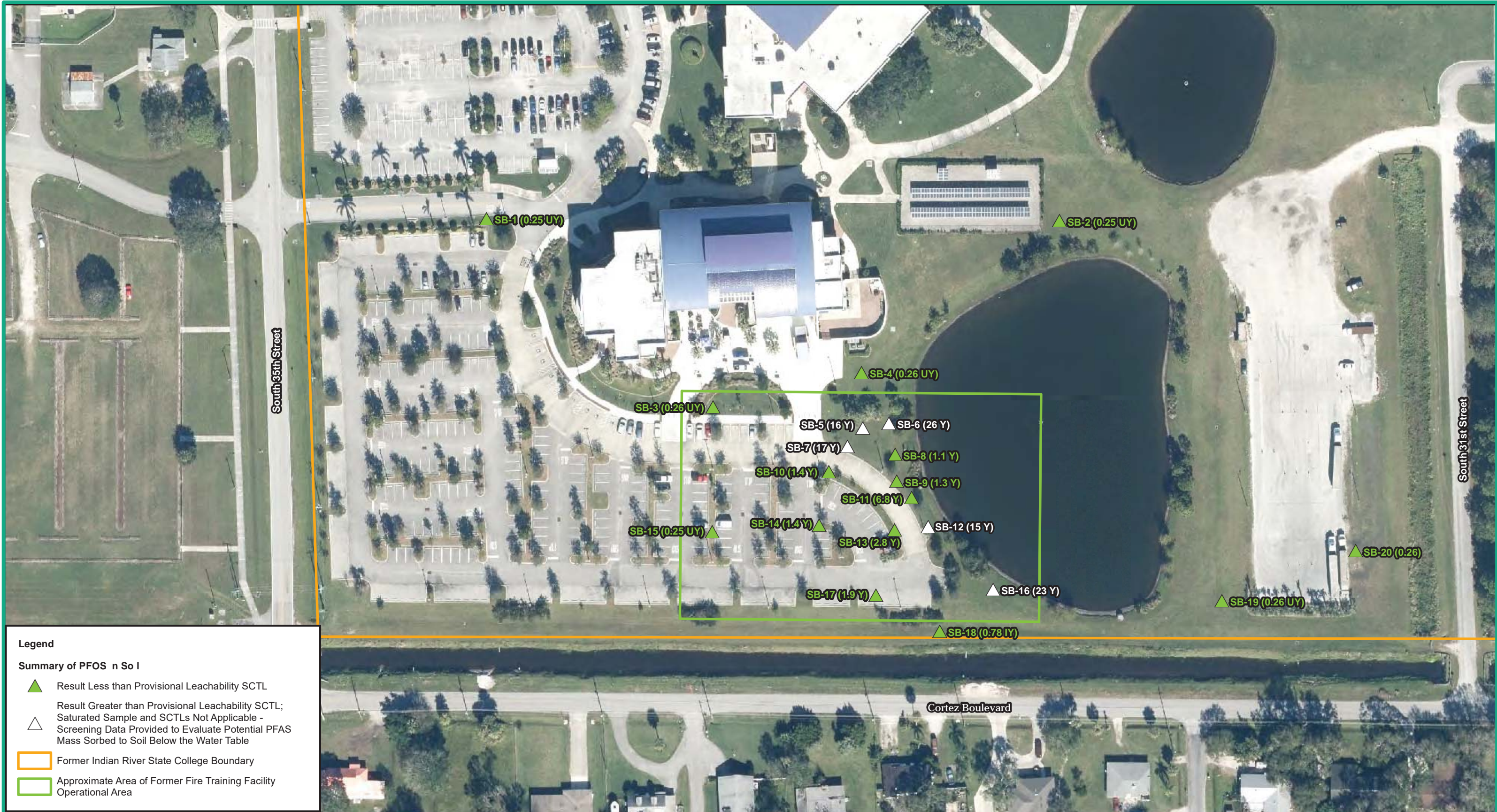
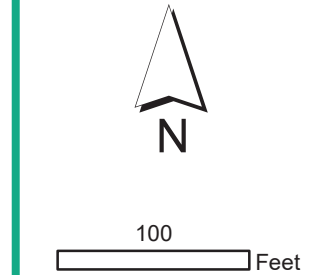


Figure 14
PFOS Results in Soil from 8 to 10 ft BLS
Former Indian River State College
Fort Pierce, St. Lucie County, Florida

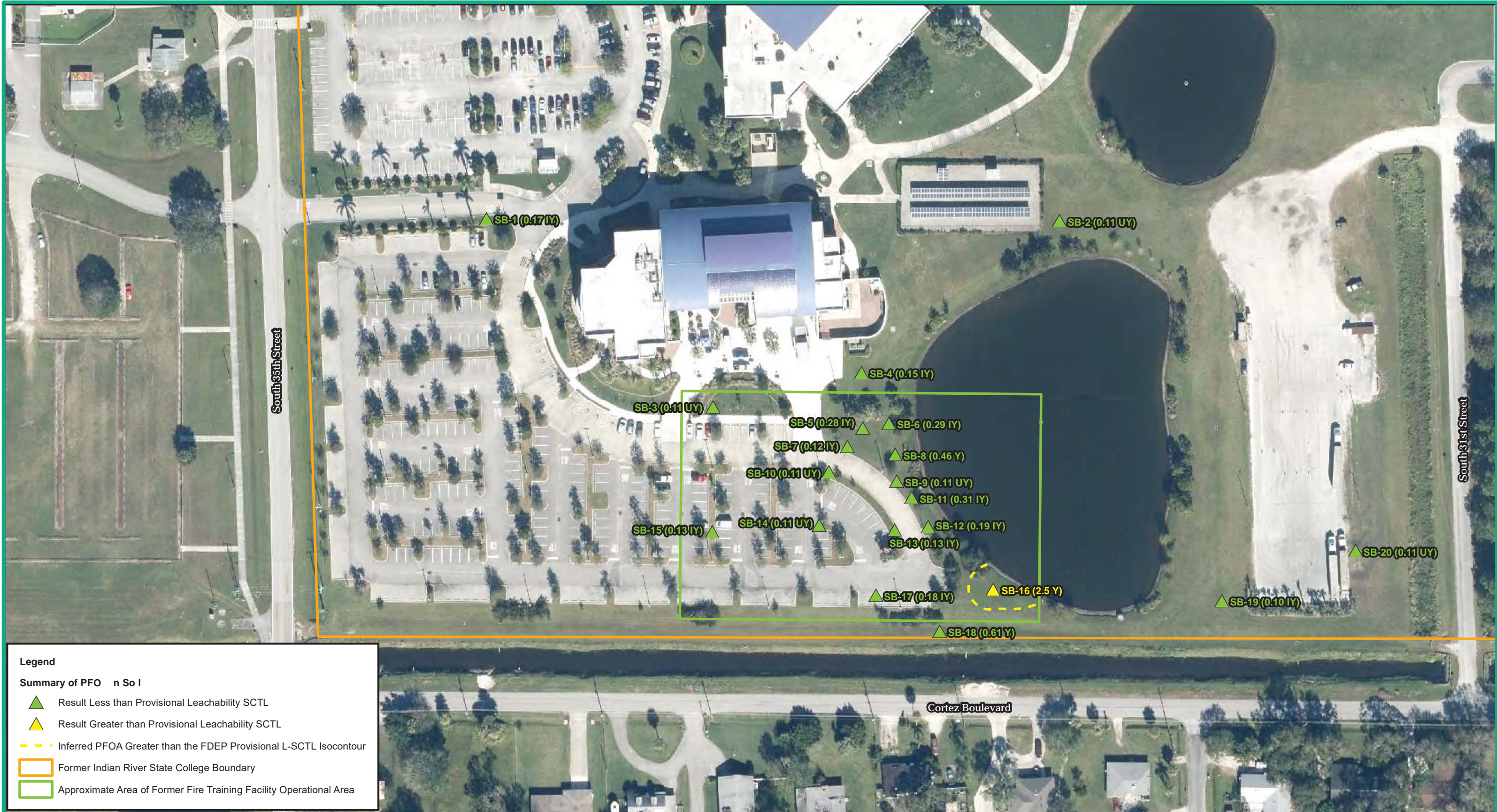
- Notes:**
1. Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{Kg}$).
 2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
 3. U indicates that the compound was analyzed for but not detected (the MDL is shown).
 4. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample.
 5. ft BLS indicates feet below land surface.
 6. Approximate Indian River State College Boundary obtained from St. Lucie County Property Appraiser (file downloaded 6 February 2020).
 7. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Provisional Cleanup Target Level	Perfluorooctanesulfonic acid (PFOS)
Leachability SCTL	7
Residential SCTL	1,300
Industrial SCTL	25,000



Date: June 16, 2020





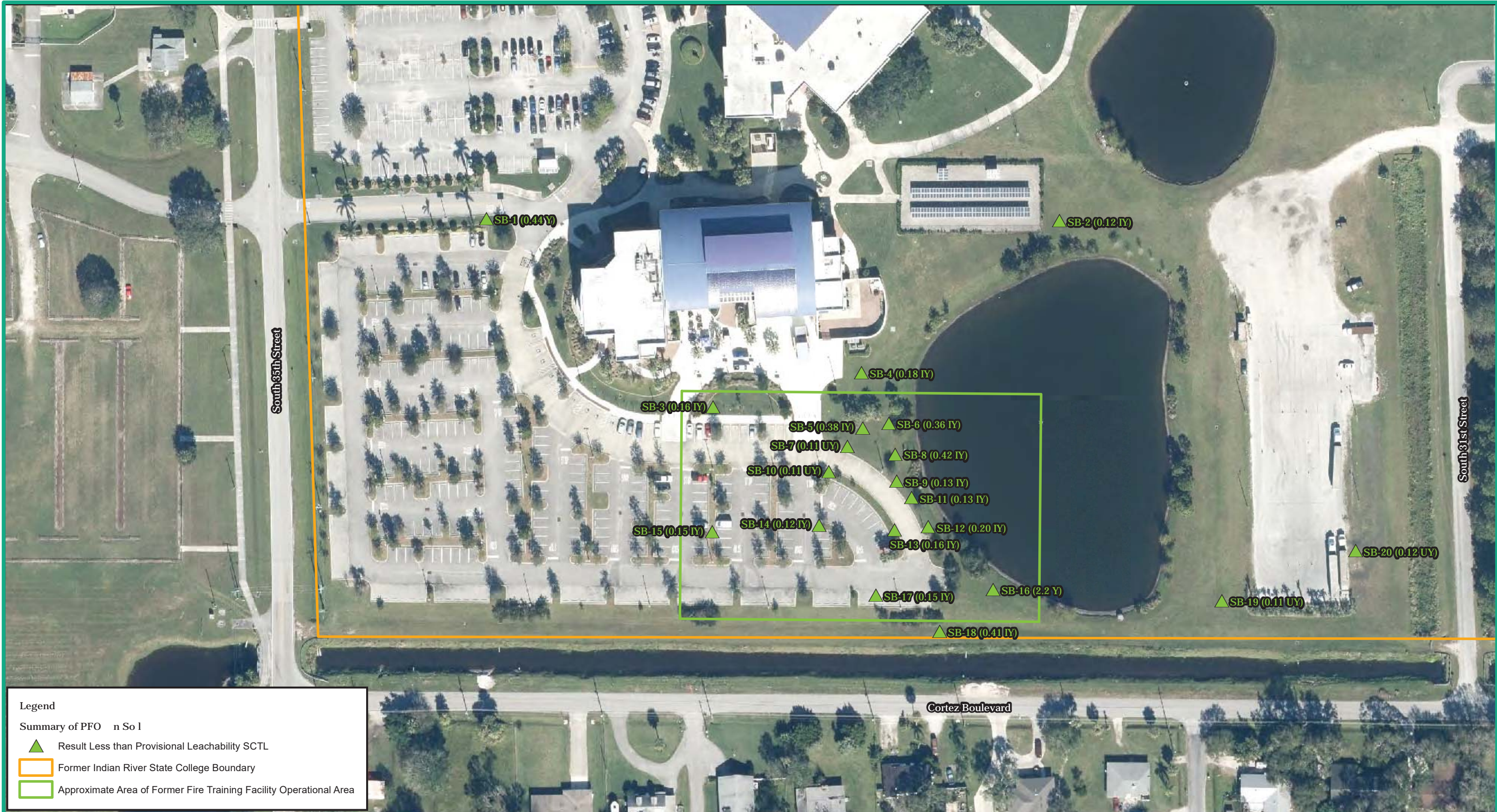
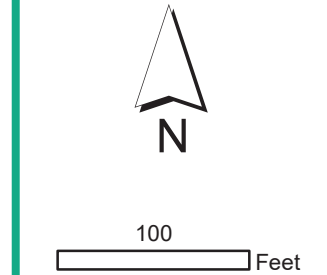


Figure 17
PFOA Results in Soil from 2 to 4 ft BLS
Former Indian River State College
Fort Pierce, St. Lucie County, Florida

Notes:

1. Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{Kg}$).
2. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
3. U indicates that the compound was analyzed for but not detected (the MDL is shown).
4. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample.
5. ft BLS indicates feet below land surface.
6. Approximate Indian River State College Boundary obtained from St. Lucie County Property Appraiser (file downloaded 6 February 2020).
7. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Provisional Cleanup Target Level	Perfluorooctanoic acid (PFOA)
Leachability SCTL	2
Residential SCTL	1,300
Industrial SCTL	25,000



Date: June 17, 2020

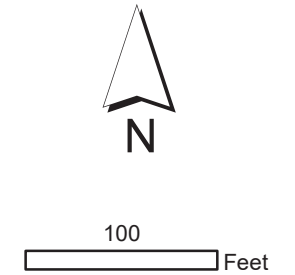


Figure 18
PFOA Results in Soil from 5 to 7 ft BLS
Former Indian River State College
Fort Pierce, St. Lucie County, Florida

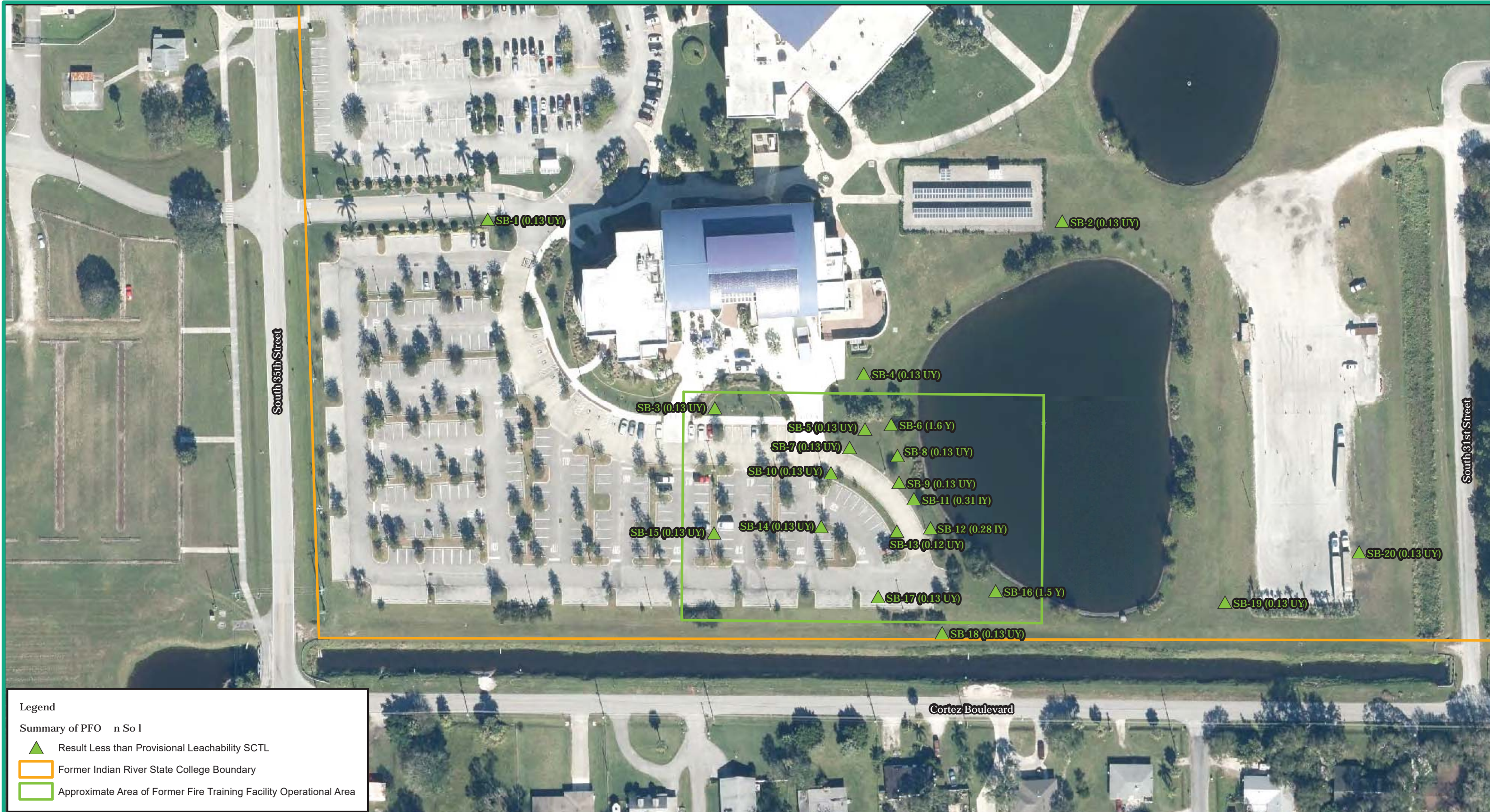
Notes:

- Results and screening criteria are presented in micrograms per kilogram ($\mu\text{g}/\text{Kg}$).
- I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
- U indicates that the compound was analyzed for but not detected (the MDL is shown).
- Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample.
- 5 ft BLS indicates feet below land surface.
- Approximate Indian River State College Boundary obtained from St. Lucie County Property Appraiser (file downloaded 6 February 2020).
- Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

Provisional Cleanup Target Level	Perfluorooctanoic acid (PFO ₈)
Leachability SCTL	2
Residential SCTL	1,300
Industrial SCTL	25,000



Date: June 16, 2020



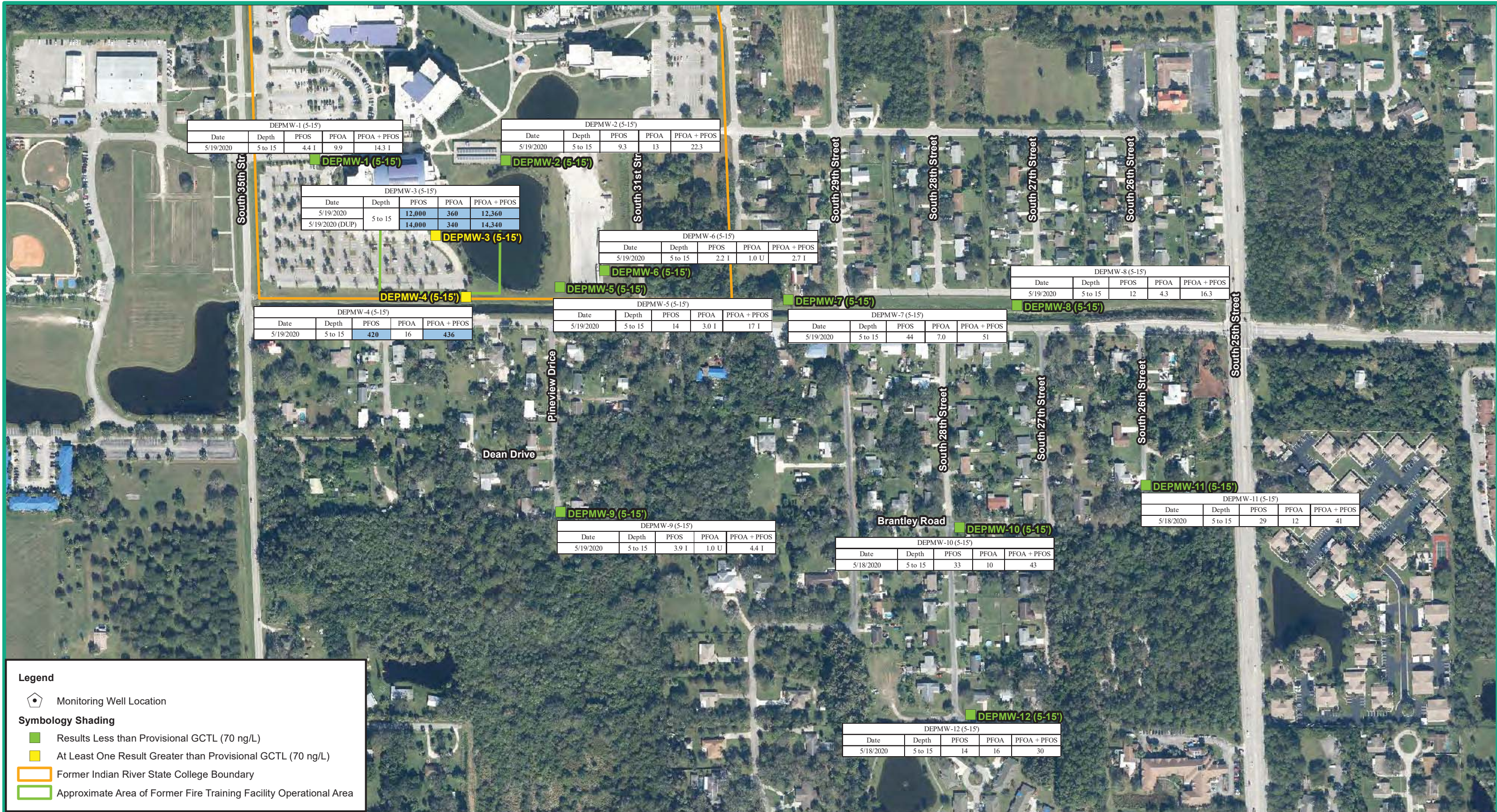


Figure 20
Summary of Analytical Results in Groundwater
from 5 to to 15 ft BLS
Former Indian River State College
Fort Pierce, St. Lucie County, Florida

- Notes:**
1. Results are provided in nanograms per liter (ng/L).
 2. Depth is provided in feet below land surface (ft BLS).
 3. I indicates result is between the laboratory method detection limit and the laboratory practical quantitation limit.
 4. DUP indicates duplicate sample.
 5. PFOS + PFOA indicates the summation of perfluorooctanesulfonic acid (PFOS) and perfluorooctanic acid (PFOA).
 6. Blue shaded, bold text indicates an exceedance of the Florida Department of Environmental Protection provisional groundwater cleanup target level (GCTL) of 70 ng/L.
 7. Contours were generated using the summation concentration of PFOS + PFOA. The higher concentration between a sample and its duplicate was utilized.
 8. Approximate Indian River State College Boundary obtained from St. Lucie County Property Appraiser (file downloaded 6 February 2020).
 9. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



300 Feet



Date: June 17, 2020

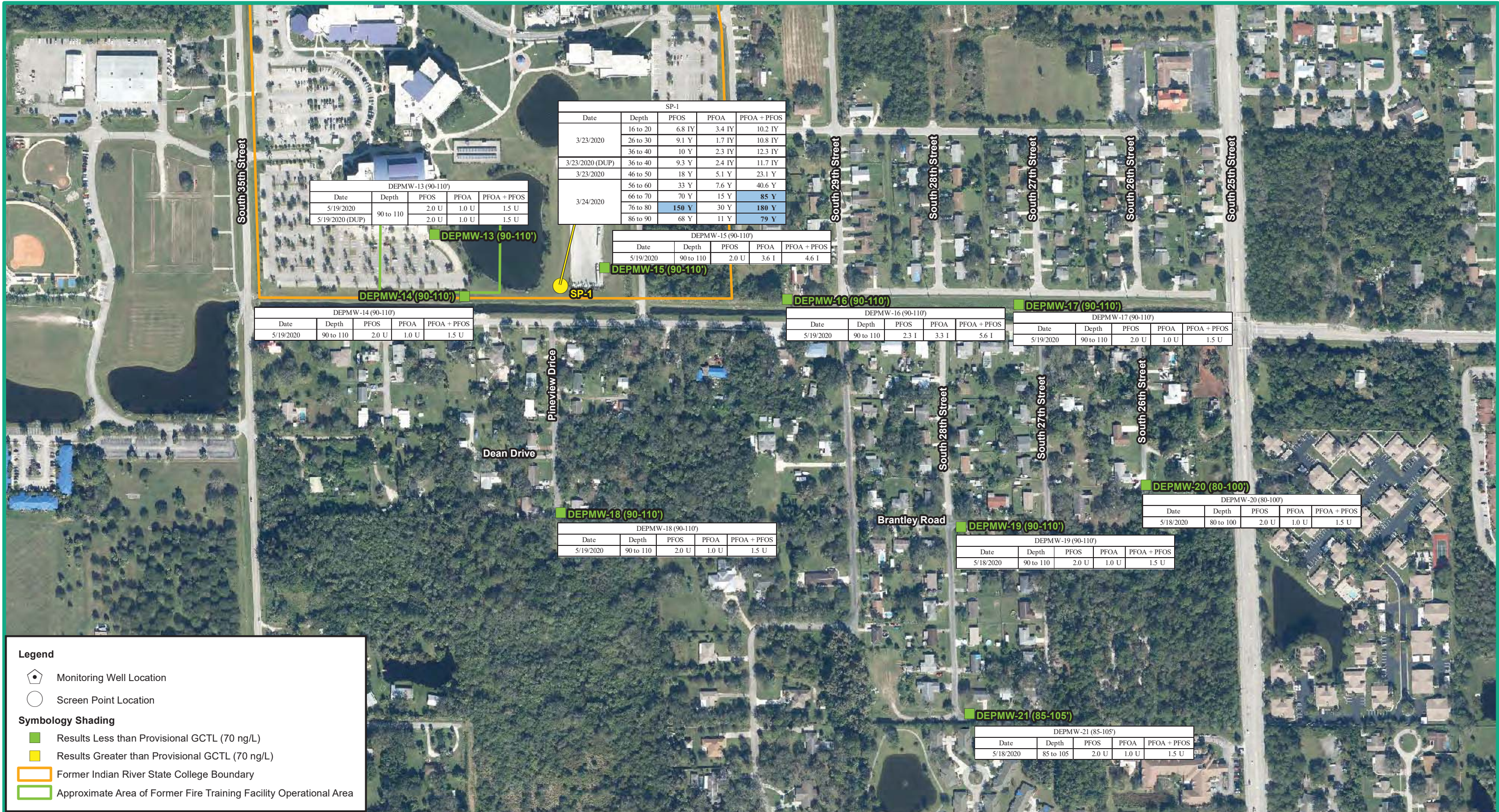


Figure 21
Summary of Analytical Results in Groudwater
from 80 to to 110 ft BLS
Former Indian River State College
Fort Pierce, St. Lucie County, Florida

Notes:

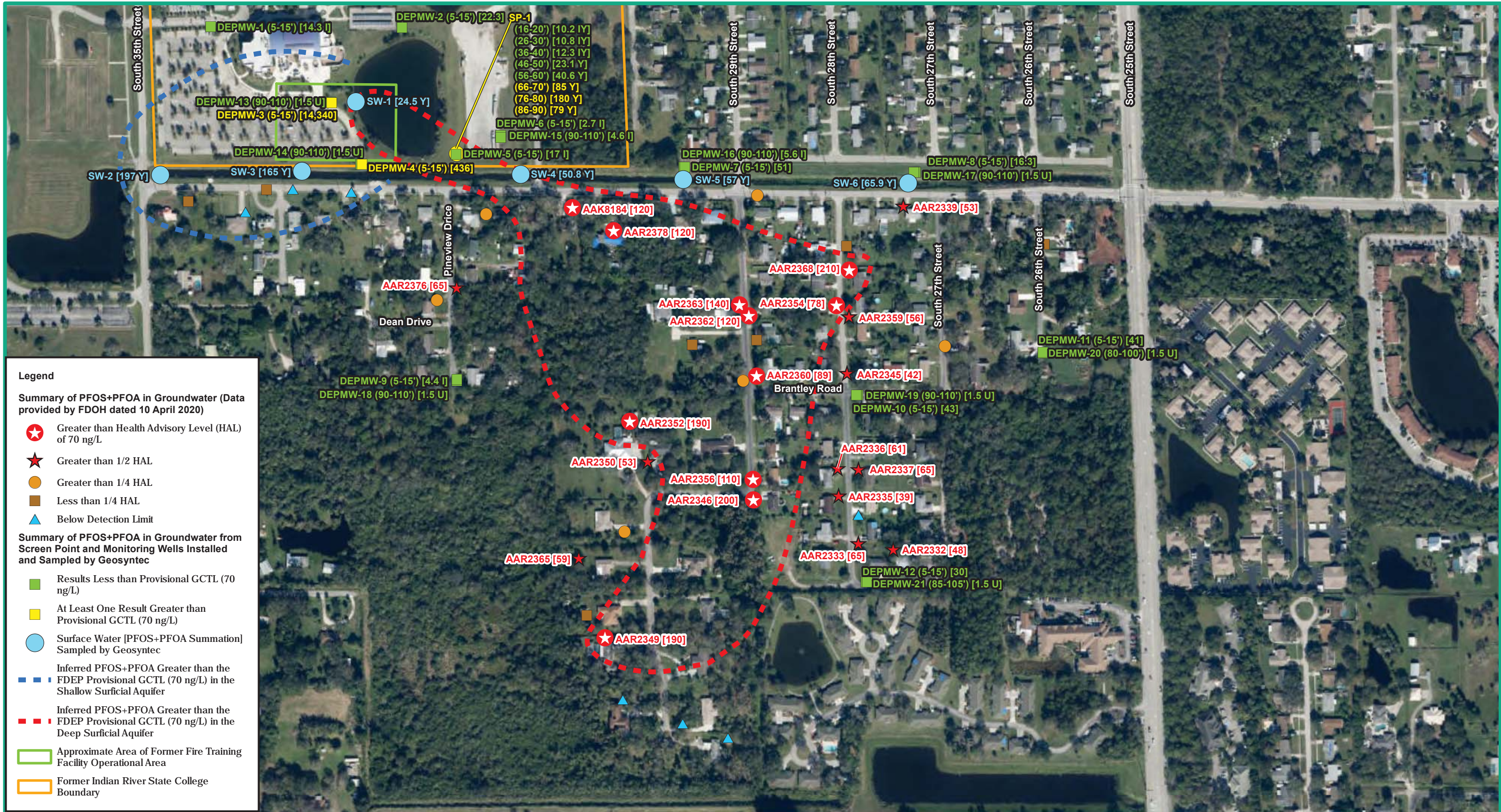
1. Results are provided in nanograms per liter (ng/L).
2. Depth is provided in feet below land surface (ft BLS).
3. I indicates result is between the laboratory method detection limit and the laboratory practical quantitation limit.
4. U indicates that the compound was analyzed for but not detected (the laboratory MDL is shown).
5. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample.
6. DUP indicates duplicate sample.
7. PFOS + PFOA indicates the summation of perfluorooctanesulfonic acid (PFOS) and perfluorooctanic acid (PFOA).
8. Blue shaded, bold text indicates an exceedance of the Florida Department of Environmental Protection provisional groundwater cleanup target level (GCTL) of 70 ng/L.
9. Approximate Indian River State College Boundary obtained from St. Lucie County Property Appraiser (file downloaded 6 February 2020).
10. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.

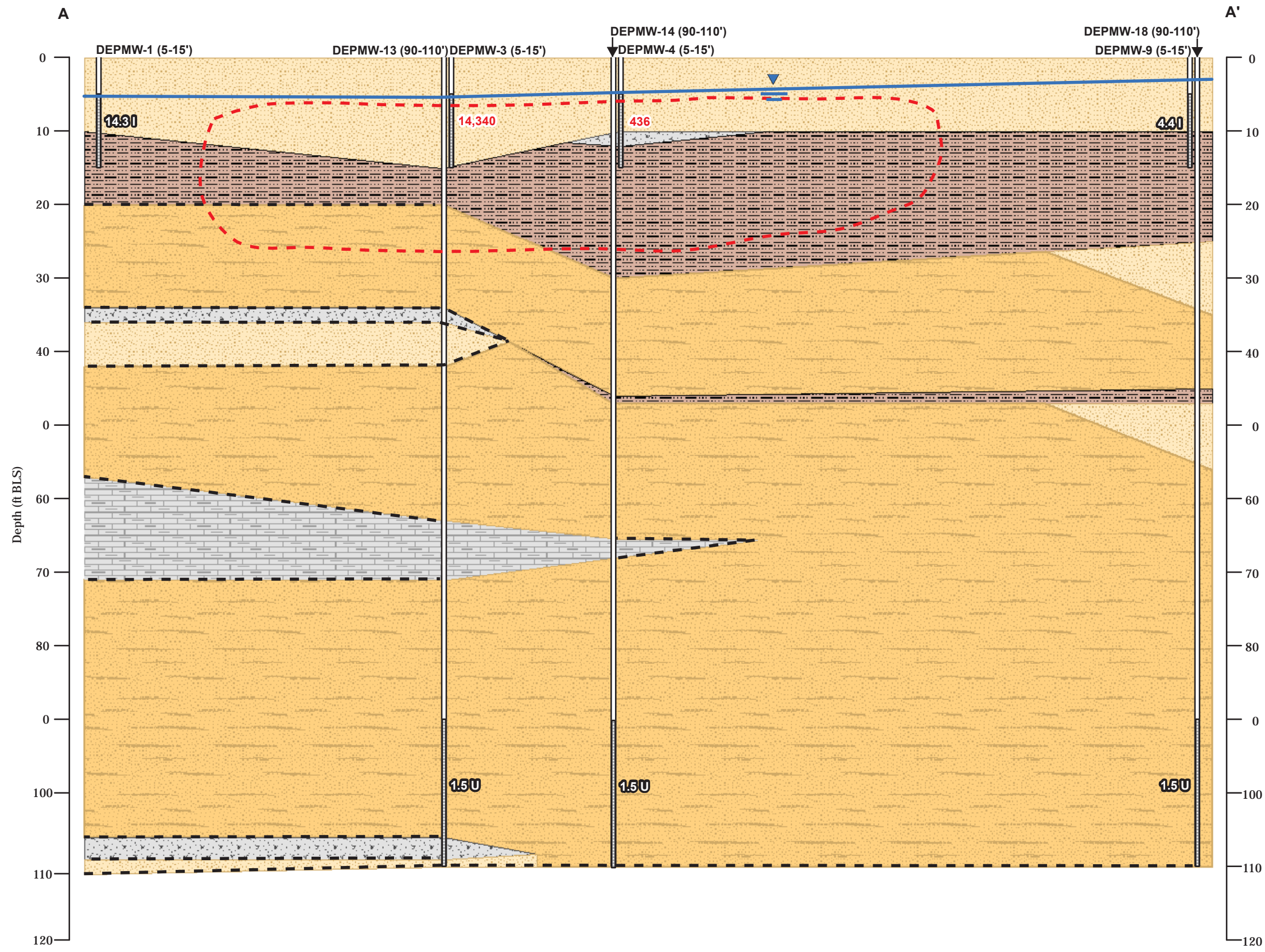


300 Feet



Date: June 17, 2020





Legend

- Water Table
- PFOS+PFOA 70 ng/L Isopleth (dashed where inferred)
- Inferred Lithology

Lithology

- Poorly graded SA D
- Poorly graded SA D with shell fragments
- Silty CLA /Clayey SILT/Sandy CLA /Sandy SILT
- Silty SA D/Clayey SA D
- Limestone with shell fragments

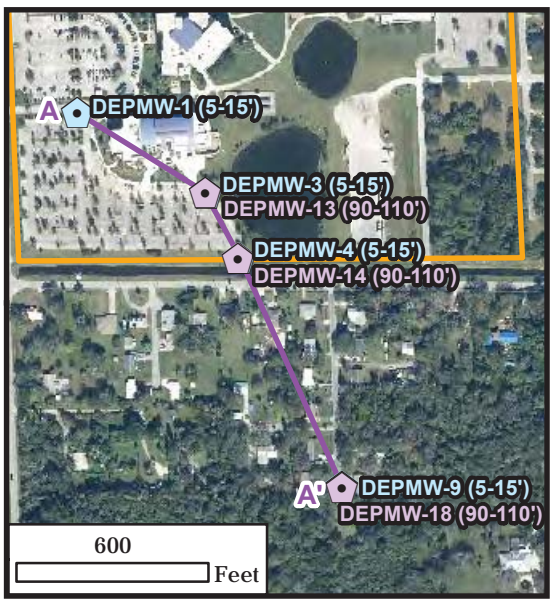
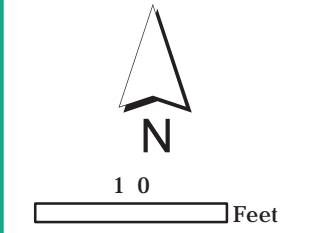
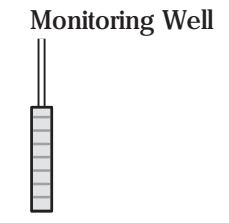


Figure 23
Vertical Extent of PFOS and PFOA
in Groundwater from A A
Former Indian River State College
Fort Pierce, St. Lucie County, Florida

- Notes:**
1. ft BLS indicates feet below land surface.
 2. Results are provided in nanograms per liter (ng/L).
 3. Analytical results are shown for the summation of perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA).
 4. I indicates result is between the laboratory method detection limit and the laboratory practical quantitation limit.
 5. U indicates that the compound was analyzed for but not detected (the laboratory MDL is shown).
 6. The Florida Department of Environmental Protection provisional groundwater cleanup target level (GCTL) for the summation of PFOS and PFOA is 70 ng/L.
 7. Contours were generated using the summation concentration of PFOS + PFOA. The highest concentration between a sample and its duplicate was utilized.
 8. Red text indicates result is greater than the PFOS+PFOA provisional GCTL.
 9. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website



Date: June 18, 2020

Vertical Exaggeration = 10

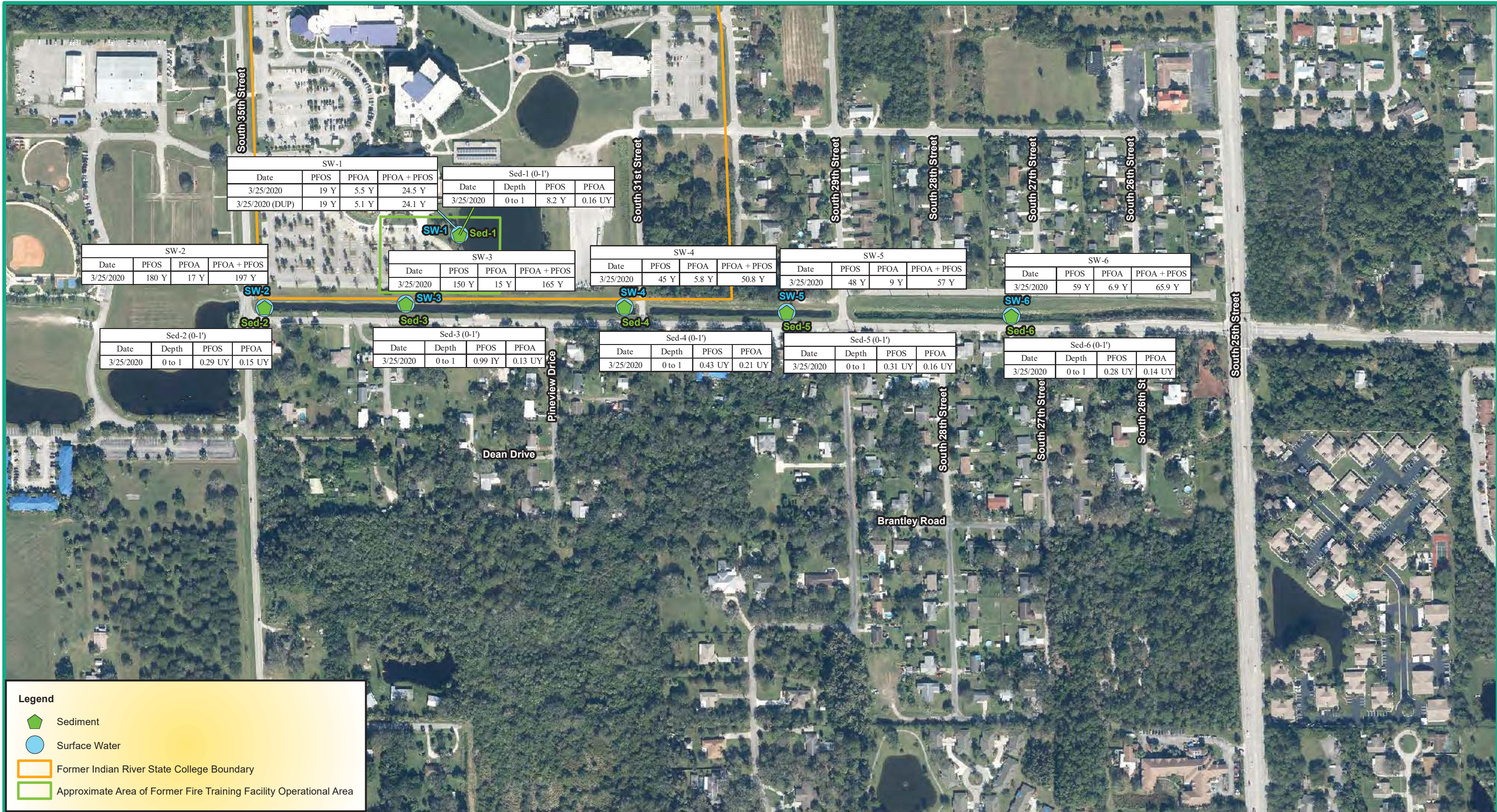


Figure 24
Summary of Analytical Results in Sediment and Surface Water
Former Indian River State College
Fort Pierce, St. Lucie County, Florida

Notes:

1. Surface water results are provided in nanograms per liter (ng/L). Sediment results are provided in micrograms per kilogram ($\mu\text{g}/\text{Kg}$).
2. Depth is provided in feet below land surface (ft BLS).
3. I indicates result is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
4. U indicates that the compound was analyzed for but not detected (the MDL is shown).
5. Y indicates the laboratory analysis was from an unpreserved or improperly preserved sample.
6. PFOS + PFOA indicates the summation of perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA).
7. Provisional cleanup target levels have not been established for sediment or surface water.
8. Approximate Indian River State College Boundary obtained from St. Lucie County Property Appraiser (file downloaded 6 February 2020).
9. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.



300 Feet



Date: June 17, 2020