

Benner Twp PFAS Investigation: Shallow soil samples p.1

Updated: May 8, 2023



Legend

● Soil sample point

*PA DEP PFAS soil standards:

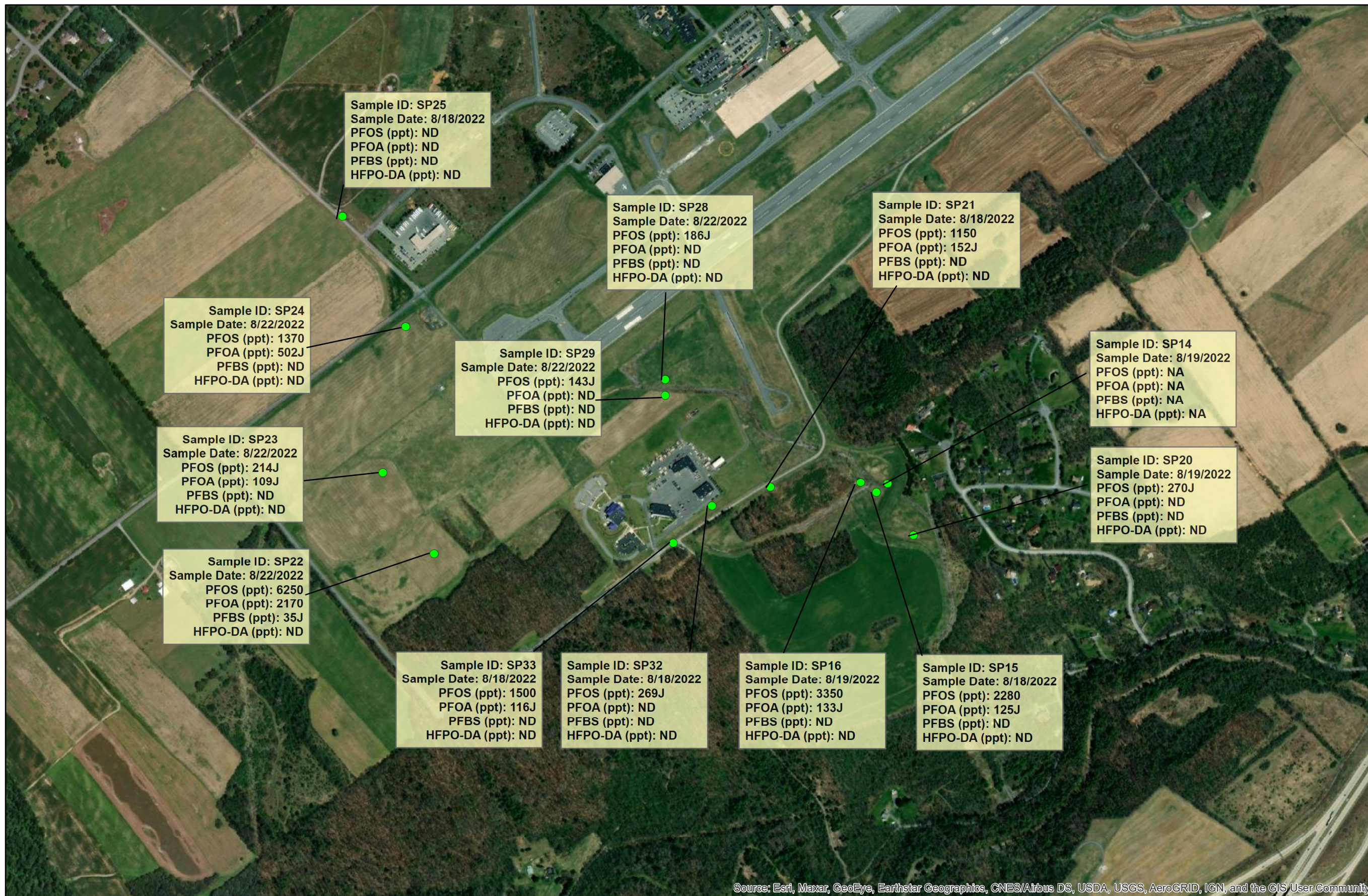
PFOS: 7000
PFOA: 7000
PFBS: 2900000

*units are parts per trillion (ppt)

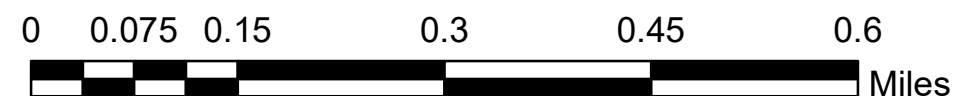
* J flag: Indicates the result is between the MDL and LOQ

MDL: Method Detection Limit
LOQ: Limit of Quantitation
ND: Non-detect
NA: Not analyzed

** On January 14, 2023, new safe drinking water standards for two per- and polyfluoroalkyl substances (PFAS)—perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) went into effect. The PFAS Maximum Contaminant Level (MCL) Final Rulemaking can be found in the Pennsylvania Bulletin at 53 Pa.B. 3330 Opens In A New Window. These final MCL values became effective as the groundwater medium-specific concentrations (MSCs) for PFOA and PFOS upon their publication in the Pennsylvania Bulletin on January 14, 2023. These new MSCs will be incorporated into the proposed Chapter 250 rulemaking currently under development. Additionally, the toxicity values used for these MCL calculations will be used to calculate proposed soil direct contact numeric values used to determine soil MSCs. The new PFOA and PFOS groundwater MSCs can be found on the Land Recycling Program's Statewide health standard webpage.



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Benner Twp PFAS Investigation: Shallow Soil Samples p.2

Updated: May 8, 2023

N



Legend

● Soil sample point

*units are parts per trillion (ppt)

*J flag: Indicates the result is between the MDL and LOQ

MDL: Method Detection Limit

LOQ: Limit of Quantitation

ND: Non-detect

NA: Not analyzed



Sample ID: SP31
Sample Date: 8/22/2022
PFOS (ppt): 4260
PFOA (ppt): 96J
PFBS (ppt): 75J
HFPO-DA (ppt): ND

Sample ID: SP10
Sample Date: 8/19/2022
PFOS (ppt): 4530
PFOA (ppt): ND
PFBS (ppt): ND
HFPO-DA (ppt): ND

Sample ID: SP11
Sample Date: 8/19/2022
PFOS (ppt): 2550
PFOA (ppt): 120J
PFBS (ppt): ND
HFPO-DA (ppt): ND

Sample ID: SP12
Sample Date: 8/19/2022
PFOS (ppt): 262J
PFOA (ppt): ND
PFBS (ppt): ND
HFPO-DA (ppt): ND

Sample ID: SP30
Sample Date: 8/19/2022
PFOS (ppt): ND
PFOA (ppt): ND
PFBS (ppt): ND
HFPO-DA (ppt): ND

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

