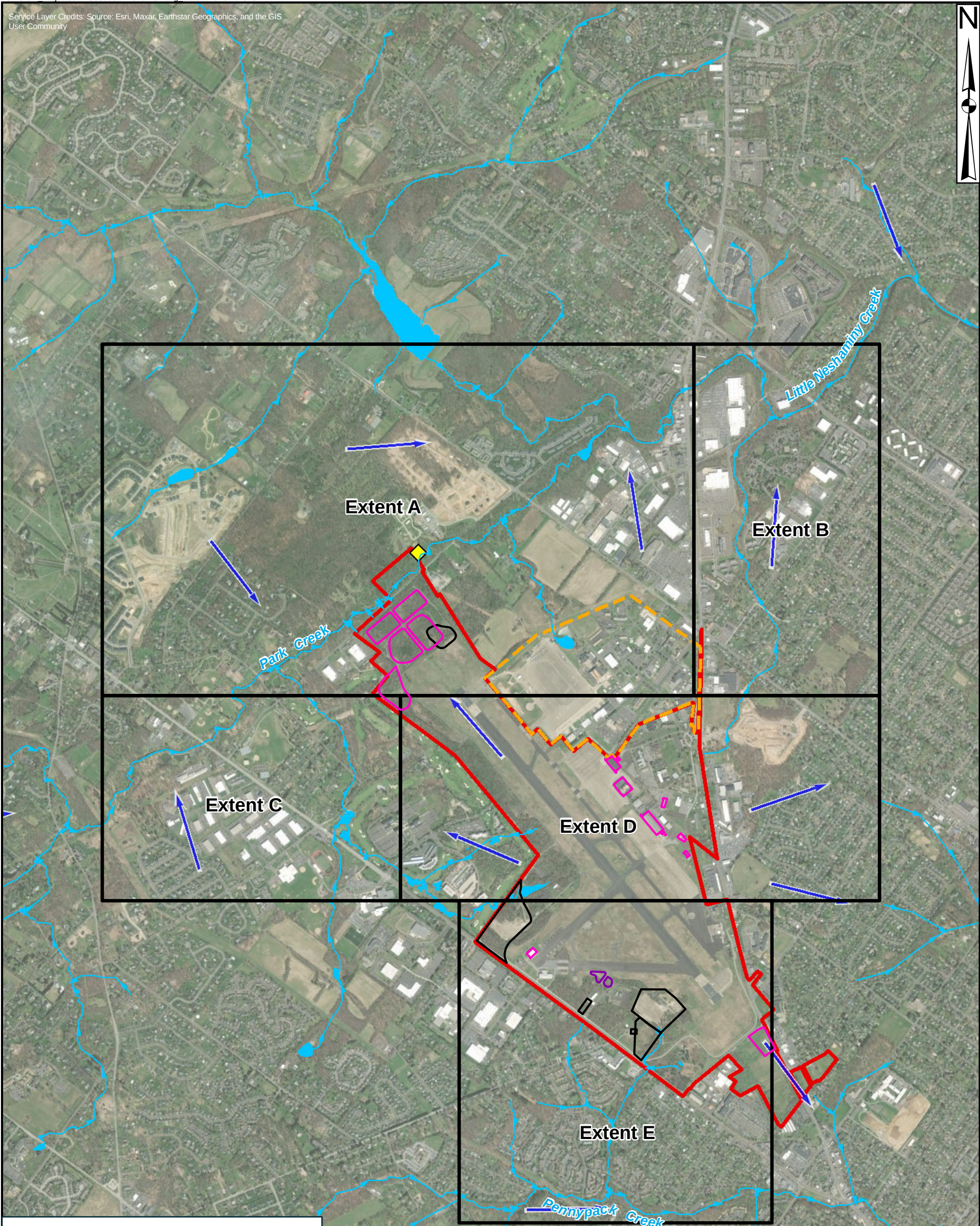




Legend

Park Creek Sewage Treatment Plant Discharge Point

Interpreted Groundwater Flow Direction

Stream

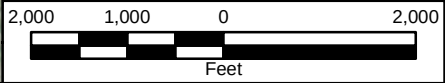
IRP Site Boundary

Potential PFAS Source Area

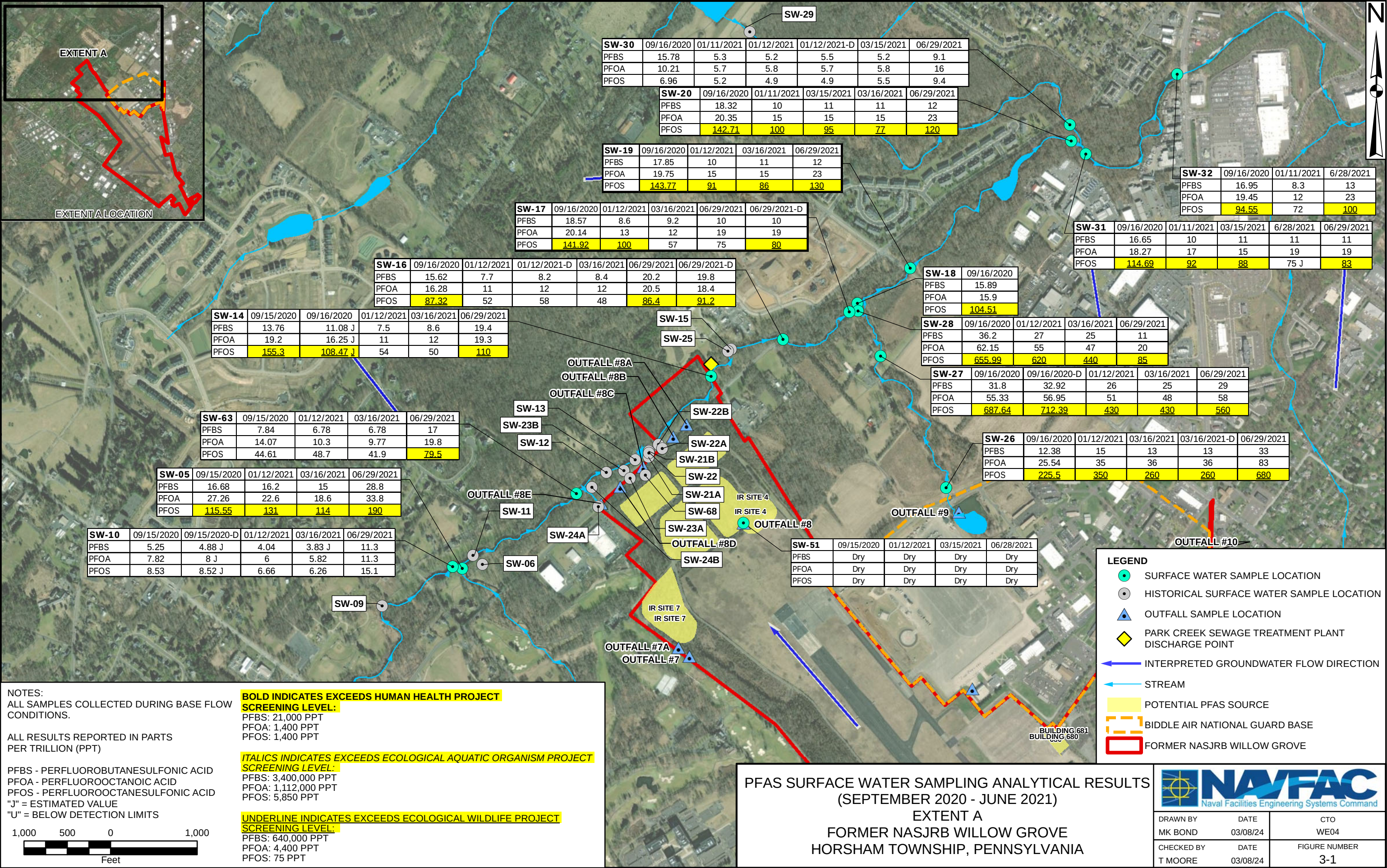
Confirmed PFAS Source Area

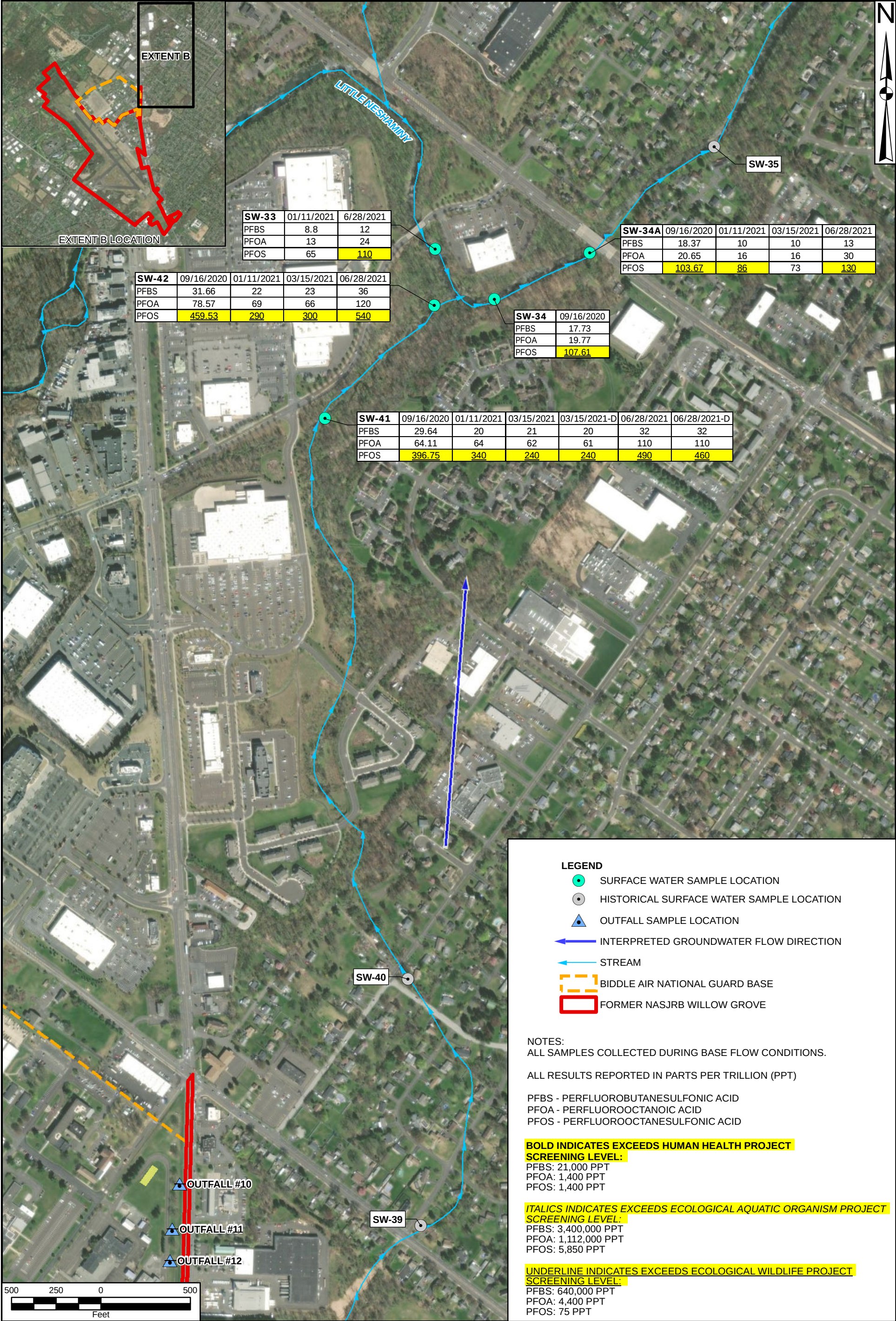
Biddle Air National Guard Base

Former NASJRB Willow Grove



SURFACE WATER AND SEDIMENT SAMPLING AREA EXTENT LOCATION MAP FORMER NASJRB WILLOW GROVE HORSHAM TOWNSHIP, PENNSYLVANIA				
DRAWN BY MK BOND	DATE 04/21/23	CTO WE04		
CHECKED BY T MOORE	DATE 04/21/23	FIGURE NUMBER 2-1		



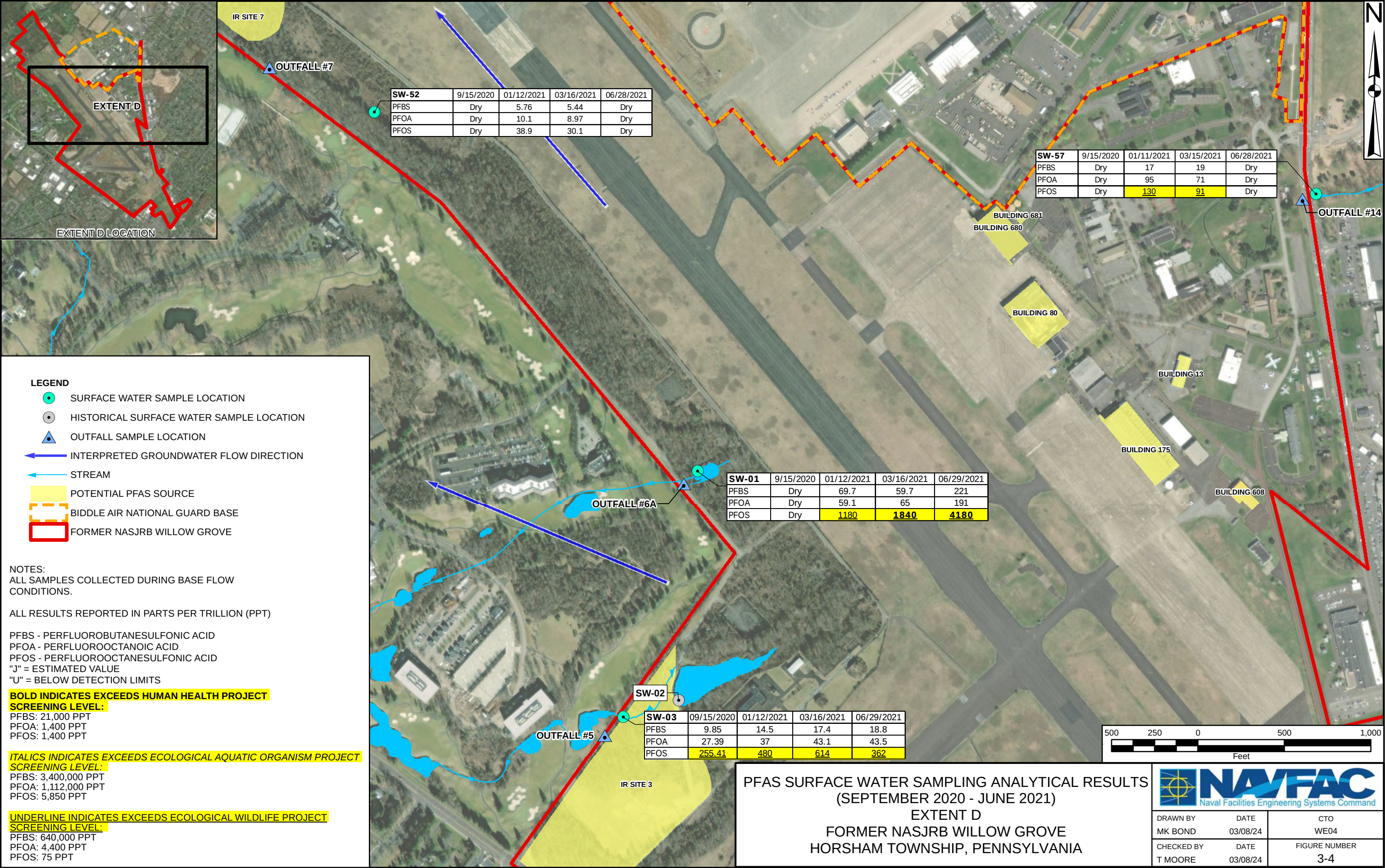


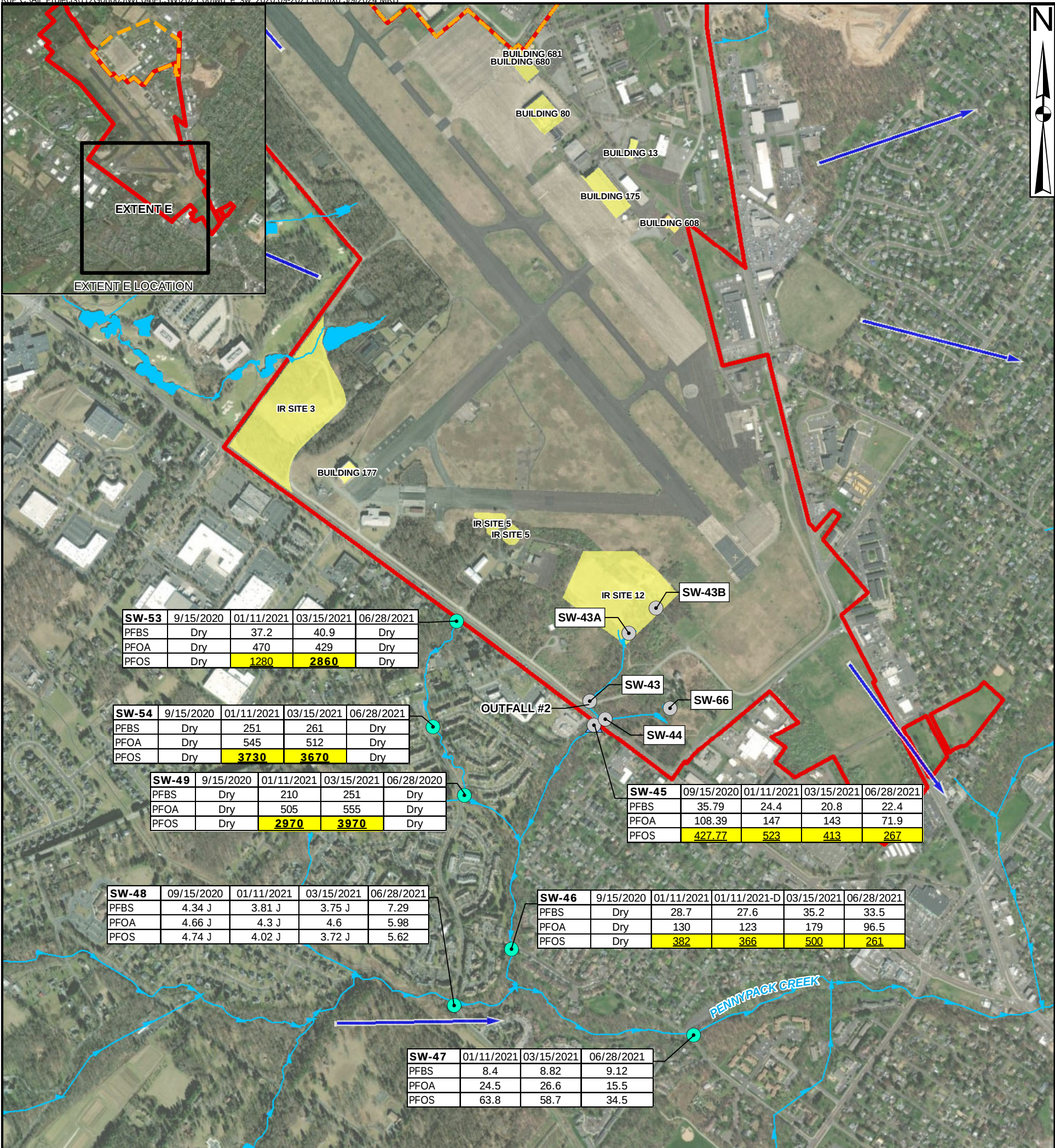
PFAS SURFACE WATER SAMPLING ANALYTICAL RESULTS
(SEPTEMBER 2020 - JUNE 2021)
EXTENT B
FORMER NASJRB WILLOW GROVE
HORSHAM TOWNSHIP, PENNSYLVANIA

		
DRAWN BY	DATE	CTO
MK BOND	03/08/24	WE04
CHECKED BY	DATE	FIGURE NUMBER
T MOORE	03/08/24	3-2









SW-53	9/15/2020	01/11/2021	03/15/2021	06/28/2021
PFBS	Dry	37.2	40.9	Dry
PFOA	Dry	470	429	Dry
PFOS	Dry	<u>1280</u>	<u>2860</u>	Dry

SW-54	9/15/2020	01/11/2021	03/15/2021	06/28/2021
PFBS	Dry	251	261	Dry
PFOA	Dry	545	512	Dry
PFOS	Dry	<u>3730</u>	<u>3670</u>	Dry

SW-49	9/15/2020	01/11/2021	03/15/2021	06/28/2020
PFBS	Dry	210	251	Dry
PFOA	Dry	505	555	Dry
PFOS	Dry	<u>2970</u>	<u>3970</u>	Dry

SW-48	09/15/2020	01/11/2021	03/15/2021	06/28/2021
PFBS	4.34 J	3.81 J	3.75 J	7.29
PFOA	4.66 J	4.3 J	4.6	5.98
PFOS	4.74 J	4.02 J	3.72 J	5.62

SW-45	09/15/2020	01/11/2021	03/15/2021	06/28/2021
PFBS	35.79	24.4	20.8	22.4
PFOA	108.39	147	143	71.9
PFOS	<u>427.77</u>	<u>523</u>	<u>413</u>	<u>267</u>

SW-46	9/15/2020	01/11/2021	01/11/2021-D	03/15/2021	06/28/2021
PFBS	Dry	28.7	27.6	35.2	33.5
PFOA	Dry	130	123	179	96.5
PFOS	Dry	<u>382</u>	<u>366</u>	<u>500</u>	<u>261</u>

SW-47	01/11/2021	03/15/2021	06/28/2021
PFBS	8.4	8.82	9.12
PFOA	24.5	26.6	15.5
PFOS	63.8	58.7	34.5

LEGEND

- SURFACE WATER SAMPLE LOCATION
- HISTORICAL SURFACE WATER SAMPLE LOCATION
- OUTFALL SAMPLE LOCATION
- INTERPRETED GROUNDWATER FLOW DIRECTION
- STREAM
- POTENTIAL PFAS SOURCE
- BIDDLE AIR NATIONAL GUARD BASE
- FORMER NASJRB WILLOW GROVE

NOTES:
ALL SAMPLES COLLECTED DURING BASE FLOW CONDITIONS.

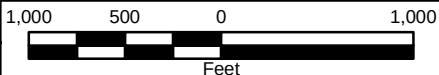
ALL RESULTS REPORTED IN PARTS PER TRILLION (PPT)

PFBS - PERFLUOROBUTANESULFONIC ACID
PFOA - PERFLUOROOCTANOIC ACID
PFOS - PERFLUOROOCTANESULFONIC ACID
"J" = ESTIMATED VALUE
"U" = BELOW DETECTION LIMITS

BOLD INDICATES EXCEEDS HUMAN HEALTH PROJECT SCREENING LEVEL:
PFBS: 21,000 PPT
PFOA: 1,400 PPT
PFOS: 1,400 PPT

ITALICS INDICATES EXCEEDS ECOLOGICAL AQUATIC ORGANISM PROJECT SCREENING LEVEL:
PFBS: 3,400,000 PPT
PFOA: 1,112,000 PPT
PFOS: 5,850 PPT

UNDERLINE INDICATES EXCEEDS ECOLOGICAL WILDLIFE PROJECT SCREENING LEVEL:
PFBS: 640,000 PPT
PFOA: 4,400 PPT
PFOS: 75 PPT



PFAS SURFACE WATER SAMPLING ANALYTICAL RESULTS
(SEPTEMBER 2020 - JUNE 2021)
EXTENT E
FORMER NASJRB WILLOW GROVE
HORSHAM TOWNSHIP, PENNSYLVANIA



DRAWN BY MK BOND	DATE 03/09/24	CTO WE04
CHECKED BY T MOORE	DATE 03/09/24	FIGURE NUMBER 3-5

