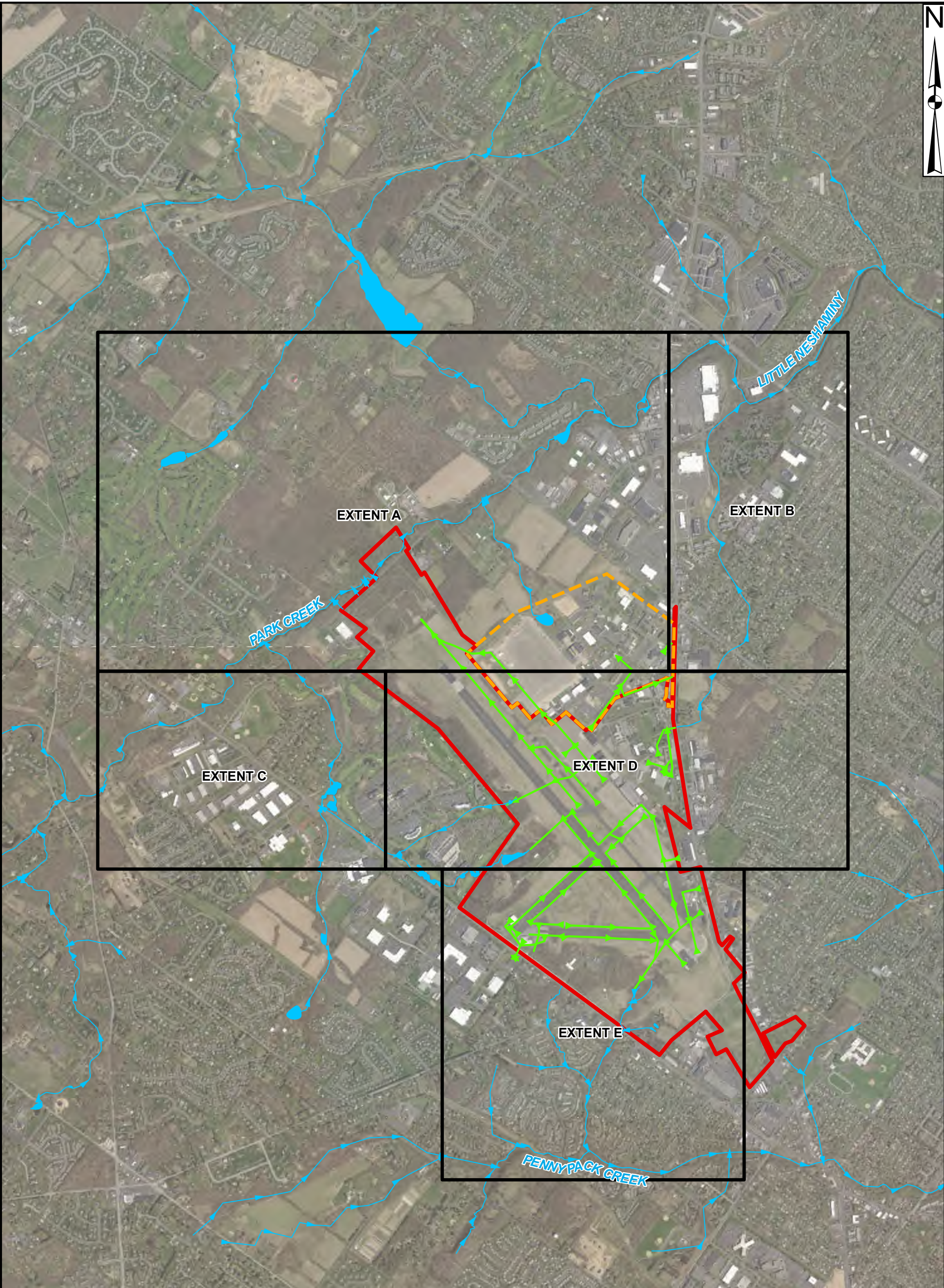


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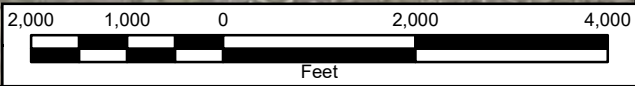
LEGEND

STREAM

STORM SEWER

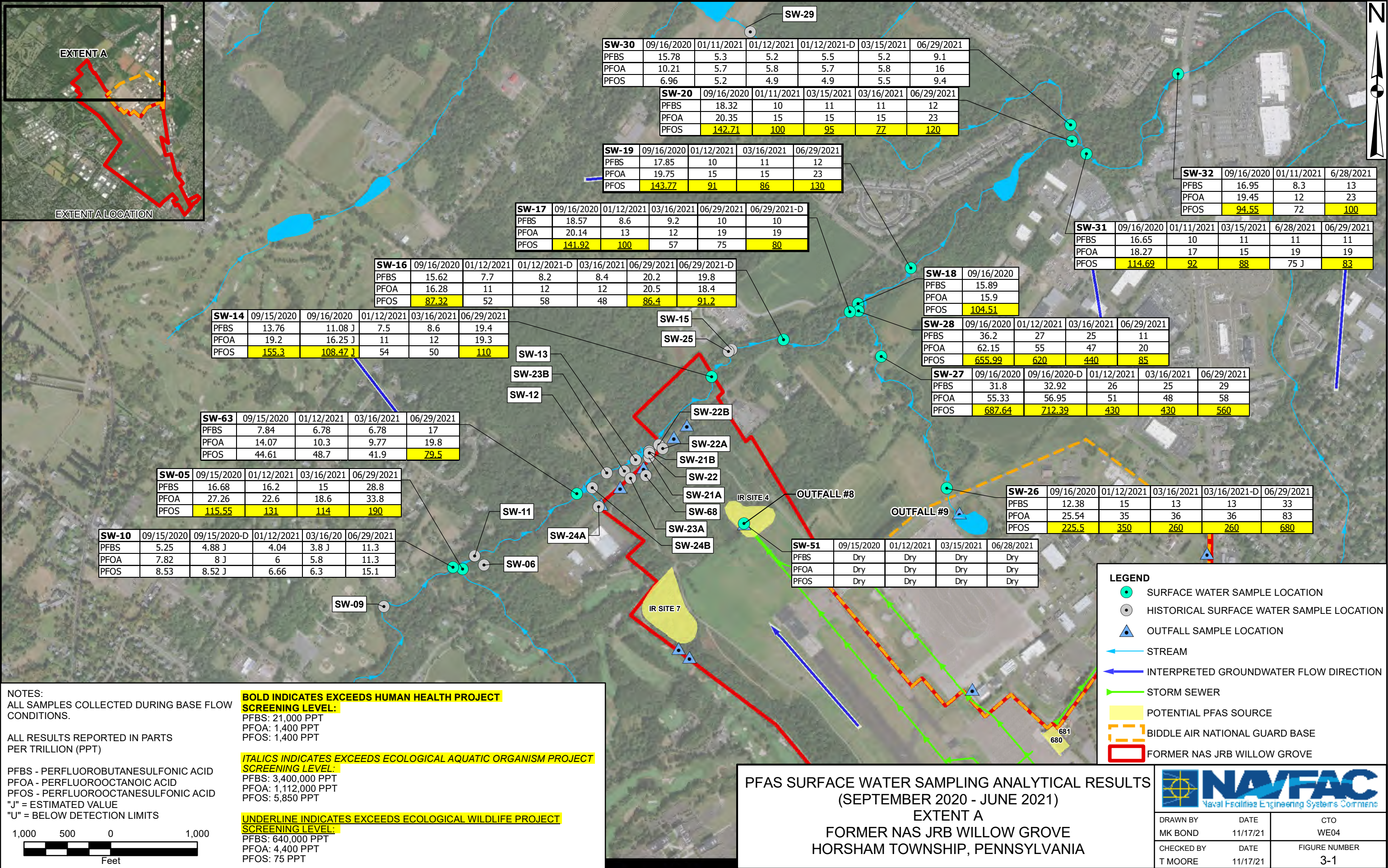
BIDDLE AIR NATIONAL GUARD BASE

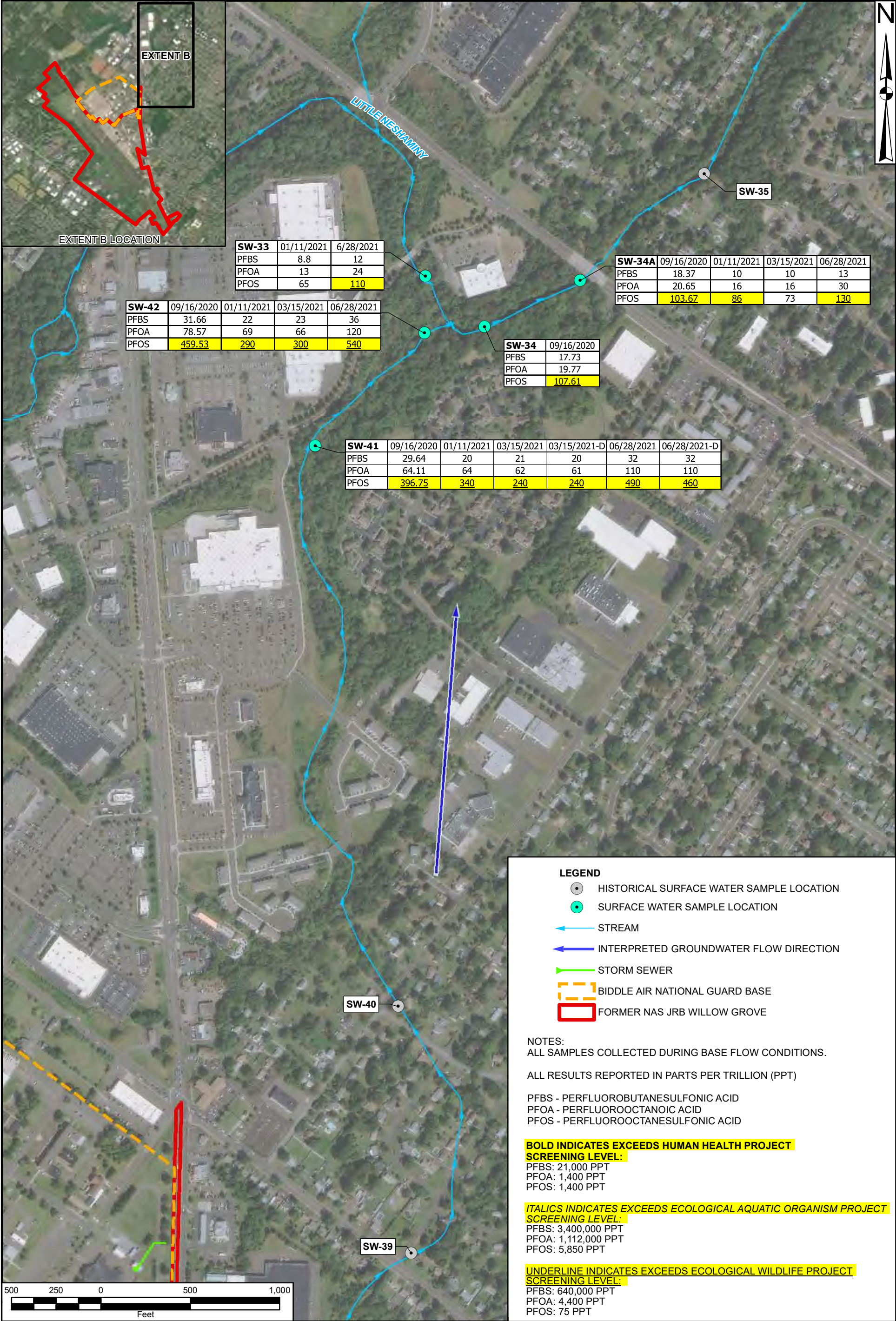
FORMER NAS JRB WILLOW GROVE



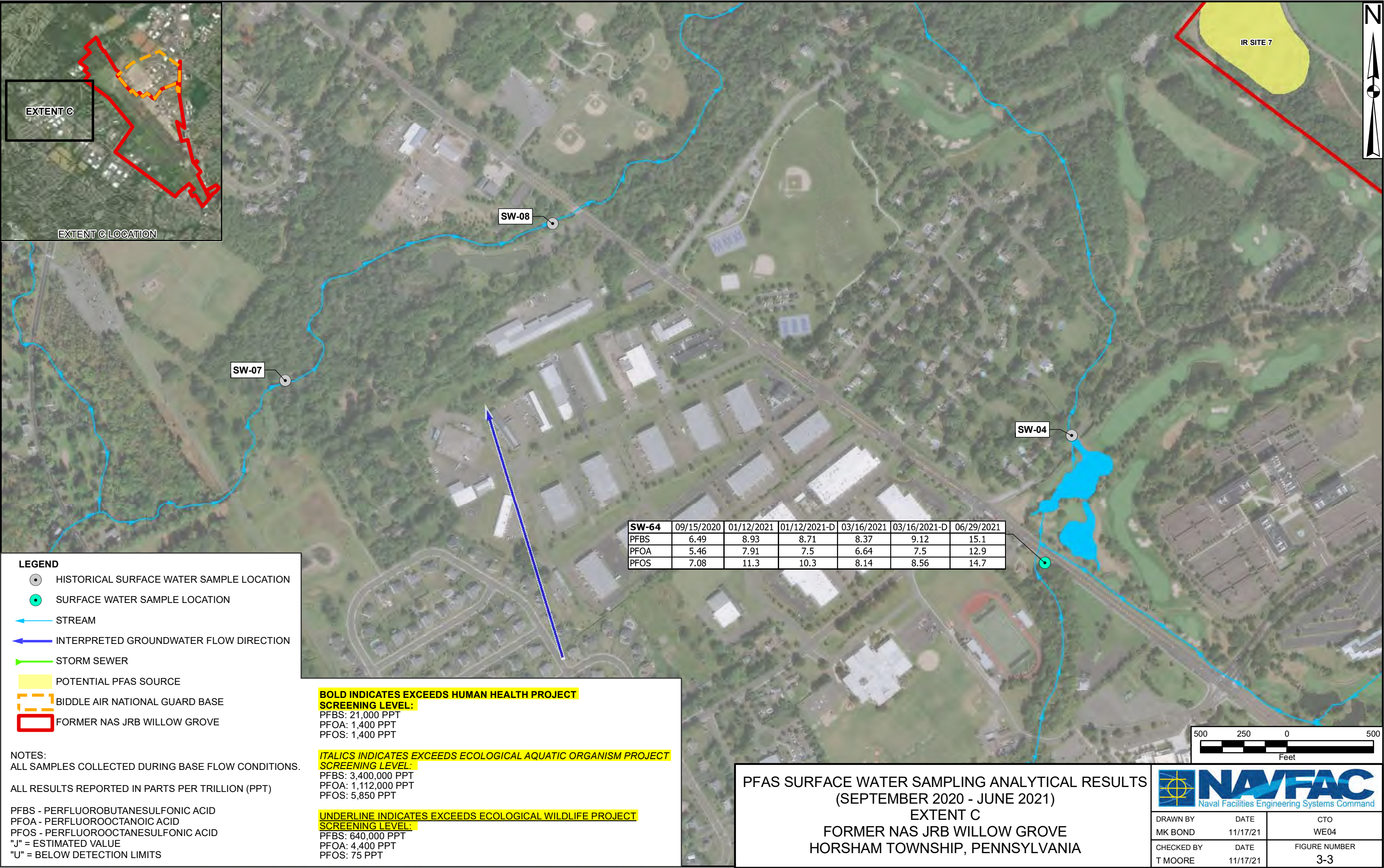
SURFACE WATER SAMPLING AREA EXTENT
LOCATION MAP
FORMER NAS JRB WILLOW GROVE
HORSHAM TOWNSHIP, PENNSYLVANIA

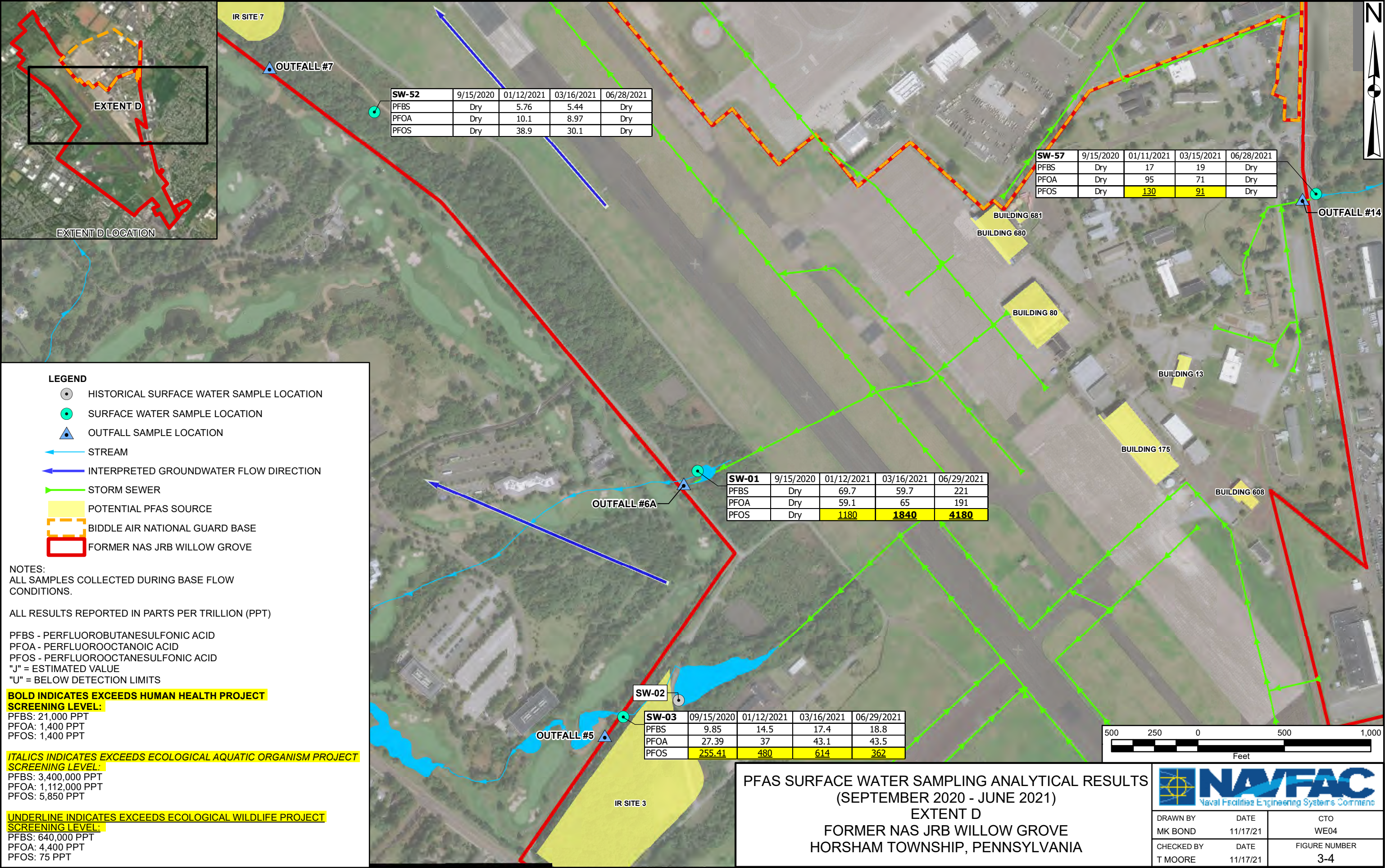
DRAWN BY MK BOND	DATE 05/11/21	CTO WE04
CHECKED BY T MOORE	DATE 05/11/21	FIGURE NUMBER 2-1

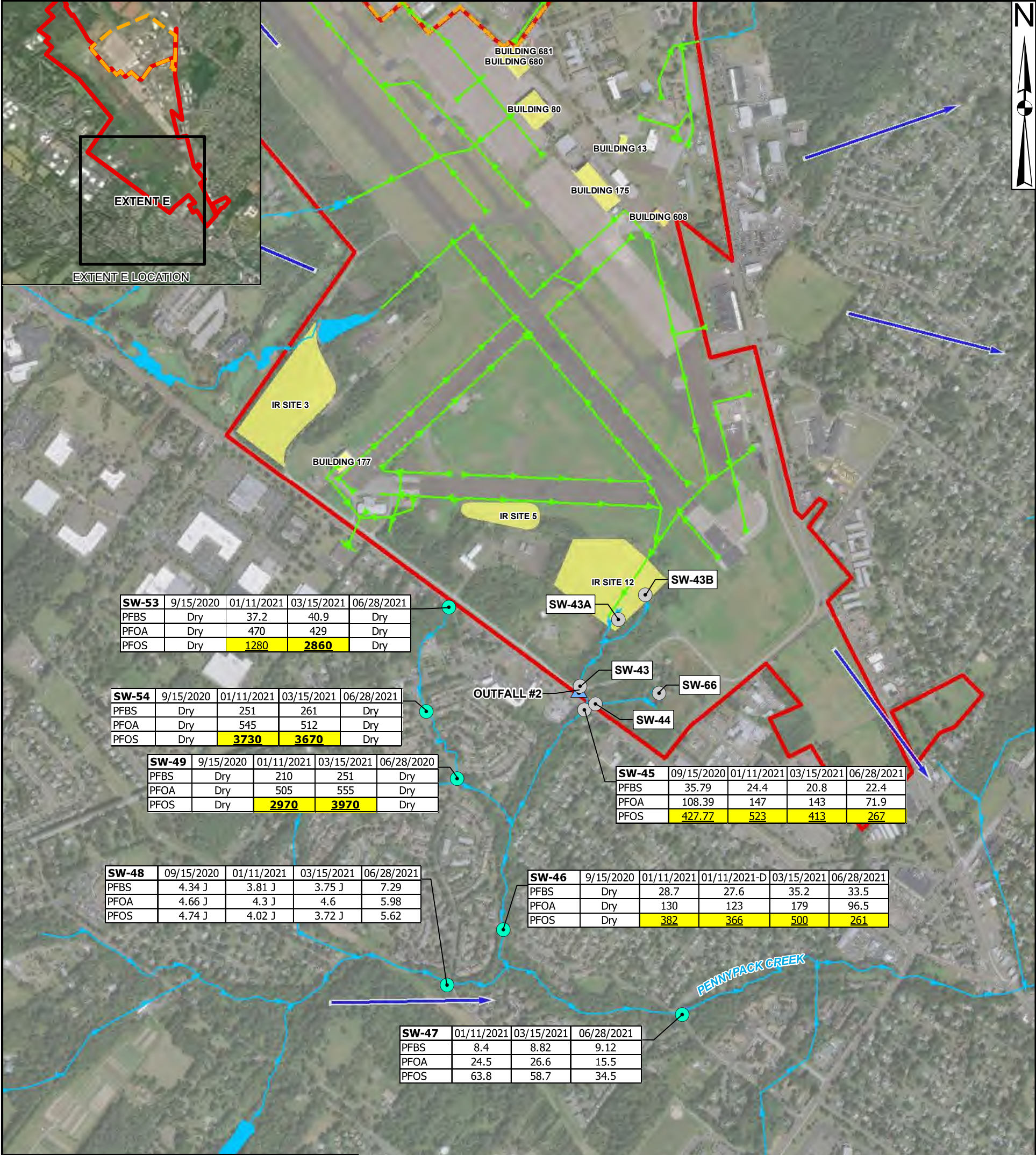




PFAS SURFACE WATER SAMPLING ANALYTICAL RESULTS
(SEPTEMBER 2020 - JUNE 2021)
EXTENT B
FORMER NAS JRB WILLOW GROVE
HORSHAM TOWNSHIP, PENNSYLVANIA







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	1280	2860	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	3730	3670	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	2970	3970	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	427.77	523	413	267

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	382	366	500	261

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

- HISTORICAL SURFACE WATER SAMPLE LOCATION
- SURFACE WATER SAMPLE LOCATION
- OUTFALL SAMPLE LOCATION
- STREAM
- INTERPRETED GROUNDWATER FLOW DIRECTION
- STORM SEWER
- POTENTIAL PFAS SOURCE
- BIDDLE AIR NATIONAL GUARD BASE
- FORMER NAS JRB 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 NAS JRB WILLOW GROVE
HORSHAM TOWNSHIP, PENNSYLVANIA



DRAWN BY MK BOND	DATE 11/17/21	CTO WE04
CHECKED BY T MOORE	DATE 11/17/21	FIGURE NUMBER 3-5

