

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Butterfield Brook Drainage				
Location ID:			AA20SD-01	AA20SD-02	BB_001	E-A-SW01A	E-A-SW01B
Sample ID:			LORNG_AA20SW01_06182022	LORNG_AA20SW02_06182022	LORNG_BB_001_SW_07092022	E-A-SW01A_20240820	E-A-SW01B_20240815
Sample Date:			6/18/2022	6/18/2022	7/9/2022	8/20/2024	8/15/2024
Sample Depth (ft bgs):			0.00-0.00	0.00-0.00	0.00-0.50	0.00-0.25	1.10-1.10
Sample Type:			N	N	N	N	N
Latitude:			46.96944981	46.96905601	46.97297	46.96937809	46.96651707
Longitude:			-67.89050171	-67.89025743	-67.87991	-67.89052612	-67.87657425
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	3.4 J	2.9 J	3.2 J	4 U	4.9 U
Perfluoropentanoic acid (PFPeA)	-	-	2.3 J	2 J	1.8 U	2 U	2.4 U
Perfluorohexanoic acid (PFHxA)	46000	33800	2.2 J	1.9 J	1.8 U	0.89 J	0.84 J
Perfluoroheptanoic acid (PFHpA)	-	-	1.3 J	0.94 J	1.9 J	0.65 J	0.79 J
Perfluorooctanoic acid (PFOA)	0.25	36400	1.6 J	1.5 J	0.96 J	0.82 J	1.2 J
Perfluorononanoic acid (PFNA)	260	88	1.7 U	1 J	1.8 U	2 U	2.4 U
Perfluorodecanoic acid (PFDA)	0.2	71.6	1.7 U	1.2 J	1.8 U	2 U	2.4 U
Perfluoroundecanoic acid (PFUnA)	-	-	1.7 U	1.4 J	1.8 U	2 U	2.4 U
Perfluorododecanoic acid (PFDoA)	-	-	1.7 U	1.7 U	1.8 U	2 U	2.4 U
Perfluorotridecanoic acid (PFTrDA)	-	-	1.7 UJ	1.7 UJ	1.8 U	2 U	2.4 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	1.7 UJ	1.7 UJ	1.8 U	2 U	2.4 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	1.8 J	1.6 J	1.8 U	2 U	2.4 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	3 J	2.6 J	1.8 U	4 U	4.9 U
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	34.5	29	1.8 U	8.1	3.3 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	2.1 J	2 J	1.8 U	2 U	2.4 U
Perfluorooctanesulfonic acid (PFOS)	10	12.8	106	481	1.8 U	21	4.2 J
Perfluorononanesulfonic acid (PFNS)	-	-	1.7 U	5.6	1.8 U	2 U	2.4 U
Perfluorodecanesulfonic acid (PFDS)	-	-	1.7 U	1.7 U	1.8 U	2 U	2.4 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	4 U	4.9 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	3.4 U	3.4 U	3.6 U	8 U	9.8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	3.4 U	3.4 U	3.6 U	8 U	9.8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	3.4 U	3.4 U	3.6 U	8 U	9.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	1.7 UJ	0 R	1.8 UJ	2 U	2.4 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0 R	0 R	0 R	4 U	4.9 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	4 U	4.9 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	3.4 U	3.4 U	3.6 U	4 U	4.9 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	3.4 U	3.4 U	3.6 U	4 U	4.9 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	20 U	24 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	20 U	24 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	NA	NA	NA	2 U	2.4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	4 U	4.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	4 U	4.9 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	NA	NA	NA	4 U	4.9 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	NA	NA	NA	4 U	4.9 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	2 U	2.4 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	2 U	2.4 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	4 U	4.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	10 U	12 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	20 U	24 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	20 U	24 U

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Butterfield Brook Drainage						
Location ID:			E-A-SW01C	E-A-SW01D	E-A-SW01E	E-A-SW01F	E-A-SW01G	E-A-SW01H	E-A-SW02A
Sample ID:			E-A-SW01C_20240816	E-A-SW01D_20241024	E-A-SW01E_20241029	E-A-SW01F_20240816	E-A-SW01G_20240816	E-A-SW01H_20241024	E-A-SW02A_20240820
Sample Date:			8/16/2024	10/24/2024	10/29/2024	8/16/2024	8/16/2024	10/24/2024	8/20/2024
Sample Depth (ft bgs):			3.00-3.00	0.00-0.25	0.00-1.00	0.33-0.33	2.50-2.50	0.00-0.25	0.00-0.25
Sample Type:			N	N	N	N	N	N	N
Latitude:			46.96778467	46.95581188	46.95065501	46.9471726	46.94653822	46.92979114	46.9691055
Longitude:			-67.87356382	-67.88376771	-67.85627387	-67.85077123	-67.84625462	-67.83883128	-67.89026989
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	4.3 U	15.6 J	4.9 U	4.3 U	3.6 U	5.1 U	4 U
Perfluoropentanoic acid (PFPeA)	-	-	4.2 U	17	2.8 J	2.6 U	5.8 J	3.1 J	2 U
Perfluorohexanoic acid (PFHxA)	46000	33800	0.75 J	8.5	2.3 J	2.3 J	2.5 J	2.5 J	0.65 J
Perfluoroheptanoic acid (PFHpA)	-	-	0.75 J	8.8	1.3 J	1.4 J	1.3 J	1.6 J	0.52 J
Perfluorooctanoic acid (PFOA)	0.25	36400	0.78 J	8.6	2.3 J	2.6 J	2.4 J	2.8 J	1.6 J
Perfluorononanoic acid (PFNA)	260	88	2.2 U	2.3 J	2.4 U	2.2 U	0.88 J	2.5 U	2 U
Perfluorodecanoic acid (PFDA)	0.2	71.6	2.2 U	2.5 U	2.4 U	2.2 U	1.8 U	2.5 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	2.2 U	2.5 U	2.4 U	2.2 U	1.8 U	2.5 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	2.2 U	2.5 U	2.4 U	2.2 U	1.8 U	2.5 U	2 U
Perfluorotridecanoic acid (PFTrDA)	-	-	2.2 U	2.5 U	2.4 U	2.2 U	1.8 U	2.5 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	2.2 U	2.5 U	2.4 U	2.2 U	1.8 U	2.5 U	2 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	2.2 U	1.8 J	2.4 U	2.2 U	0.52 J	0.7 J	2 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	4.3 U	1.7 J	4.9 U	4.3 U	3.6 U	5.1 U	4 U
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	2.4 J	21	10.5	11.6	11.5	12.5	7.8
Perfluoroheptanesulfonic acid (PFHpS)	-	-	2.2 U	0.88 J	2.4 U	2.2 U	1.8 U	2.5 U	2 U
Perfluorooctanesulfonic acid (PFOS)	10	12.8	3 J	18.8	8.3	9.4	10	10.9	22.5
Perfluorononanesulfonic acid (PFNS)	-	-	2.2 U	2.5 U	2.4 U	2.2 U	1.8 U	2.5 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	2.2 U	2.5 U	2.4 U	2.2 U	1.8 U	2.5 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	4.3 U	5 U	4.9 U	4.3 U	3.6 U	5.1 U	4 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	8.7 U	10 U	9.8 U	8.7 U	7.1 U	10 U	8.1 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	8.7 U	10 U	9.8 U	8.7 U	7.1 U	10 U	8.1 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	8.7 U	10 U	9.8 U	8.7 U	7.1 U	10 U	8.1 U
Perfluorooctane sulfonamide (PFOSA)	-	-	2.2 U	2.5 U	2.4 U	2.2 U	1.8 U	2.5 U	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	4.3 U	5 U	4.9 U	4.3 U	3.6 U	5.1 U	4 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	4.3 U	5 U	4.9 U	4.3 U	3.6 U	5.1 U	4 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	4.3 U	5 U	4.9 U	4.3 U	3.6 U	5.1 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	4.3 U	5 U	4.9 U	4.3 U	3.6 U	5.1 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	22 U	25 U	24 U	22 U	18 U	25 U	20 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	22 U	25 U	24 U	22 U	18 U	25 U	20 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	2.2 U	2.5 U	2.4 U	2.2 U	1.8 U	2.5 U	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	4.3 U	5 U	4.9 U	4.3 U	3.6 U	5.1 U	4 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	4.3 U	5 U	4.9 U	4.3 U	3.6 U	5.1 U	4 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	4.3 U	5 U	4.9 U	4.3 U	3.6 U	5.1 U	4 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	-	-	4.3 U	5 U	4.9 U	4.3 U	3.6 U	5.1 U	4 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	2.2 U	2.5 U	2.4 U	2.2 U	1.8 U	2.5 U	2 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	2.2 U	2.5 U	2.4 U	2.2 U	1.8 U	2.5 U	2 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	4.3 U	5 U	4.9 U	4.3 U	3.6 U	5.1 U	4 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	11 U	13 U	12 U	11 U	8.9 U	13 U	10 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	22 U	25 U	24 U	22 U	18 U	25 U	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	22 U	25 U	24 U	22 U	18 U	25 U	20 U

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Butterfield Brook Drainage						
Location ID:			E-A-SW02D	E-A-SW02E	LORNG-LT-13A		LORNG-LT-14A		LS_001
Sample ID:			E-A-SW02D_20241029	E-A-SW02E_20241029	LORNG-LT13A-SW-10242021	LORNG_LT13A_SW_07082022	LORNG-LT14A-SW-10242021	LORNG_LT14A_SW_07072022	LORNG_LS_001_SW_07102022
Sample Date:			10/29/2024	10/29/2024	10/24/2021	7/8/2022	10/24/2021	7/7/2022	7/10/2022
Sample Depth (ft bgs):			0.00-0.50	0.00-1.00	1.00-1.00	0.00-0.70	0.50-0.50	0.00-0.40	0.00-0.40
Sample Type:			N	N	N	N	N	N	N
Latitude:			46.95353591	46.95138435	46.950583	46.950583	46.92179953	46.92179953	46.93726
Longitude:			-67.88037312	-67.85878218	-67.85382653	-67.85382653	-67.83228886	-67.83228886	-67.86408
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	11 J	4.9 U	1.13 J	3.2 J	2.16 U	3.7 UJ	4 U
Perfluoropentanoic acid (PFPeA)	-	-	4.6 J	2.6 J	2.1 U	3.7 J	2.16 U	3.4 J	1.4 J
Perfluorohexanoic acid (PFHxA)	46000	33800	7	2.7 J	2.1 U	3.8 J	2.16 U	2.3 J	2 U
Perfluoroheptanoic acid (PFHpA)	-	-	4.3 J	1.2 J	2.1 U	2 J	1.09 J	1.4 J	2 U
Perfluorooctanoic acid (PFOA)	0.25	36400	4.7 J	2.7 J	3.55 J	3.9 J	3.34 J	2.2 J	2 U
Perfluorononanoic acid (PFNA)	260	88	1.5 J	2.5 U	2.1 U	2 U	2.16 U	1.9 U	2 U
Perfluorodecanoic acid (PFDA)	0.2	71.6	2.7 U	2.5 U	2.1 U	2 U	2.16 U	1.9 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	2.7 U	2.5 U	2.1 U	2 U	2.16 U	1.9 UJ	2 U
Perfluorododecanoic acid (PFDoA)	-	-	2.7 U	2.5 U	2.1 U	2 U	2.16 U	1.9 UJ	2 U
Perfluorotridecanoic acid (PFTrDA)	-	-	2.7 U	2.5 U	2.1 U	2 U	2.16 U	1.9 UJ	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	2.7 U	2.5 U	2.1 UJ	2 UJ	2.16 U	2 UJ	0 R
Perfluorobutanesulfonic acid (PFBS)	30000	160000	1.2 J	2.5 U	2.1 U	2 U	2.16 U	1.9 U	2 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	5.5 U	4.9 U	2.1 U	2 U	2.16 U	1.9 U	2 U
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	12.3	11.2	9.08	16.1	7.45	9.2	2.8 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	2.7 U	2.5 U	2.1 U	2 U	2.16 U	1.9 U	2 U
Perfluorooctanesulfonic acid (PFOS)	10	12.8	10.4	9.7	7.57	17.8	3.94 J	12.8	2.1 J
Perfluorononanesulfonic acid (PFNS)	-	-	2.7 U	2.5 U	2.1 U	2 U	2.16 U	1.9 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	2.7 U	2.5 U	2.1 U	2 U	2.16 U	1.9 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	5.5 U	4.9 U	NA	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	11 U	9.9 U	2.1 U	4 U	2.16 U	3.7 U	4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	11 U	9.9 U	2.1 U	4 U	2.16 U	3.7 U	4 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	11 U	9.9 U	2.1 U	4 U	2.16 U	3.7 U	4 U
Perfluorooctane sulfonamide (PFOSA)	-	-	2.7 U	2.5 U	8	2 UJ	9.54 J	1.9 UJ	10 UJ
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	5.5 U	4.9 U	10.5 U	0 R	10.8 U	0 R	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	5.5 U	4.9 U	NA	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	5.5 U	4.9 U	2.1 UJ	4 U	2.16 UJ	3.7 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	5.5 U	4.9 U	2.1 U	4 U	2.16 U	3.7 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	27 U	25 U	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	27 U	25 U	NA	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	2.7 U	2.5 U	NA	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	5.5 U	4.9 U	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	5.5 U	4.9 U	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	-	-	5.5 U	4.9 U	NA	NA	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	-	-	5.5 U	4.9 U	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	2.7 U	2.5 U	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	2.7 U	2.5 U	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	5.5 U	4.9 U	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	14 U	12 U	NA	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	27 U	25 U	NA	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	27 U	25 U	NA	NA	NA	NA	NA

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Butterfield Brook Drainage						
Location ID:			LS_002	LS_003	LT-13B	LT-14B	LT-15B	LT18	
Sample ID:			LORNG_LS_002_SW_07202022	LORNG_LS_003_SW_07072022	LORNG_LT13_SW_07082022	LORNG_LT14_SW_07082022	LORNG_LT15_SW_07082022	LORNG-LT18-SW-10242021	LORNG-LT18-SW-10242021FD
Sample Date:			7/20/2022	7/7/2022	7/8/2022	7/8/2022	7/8/2022	10/24/2021	10/24/2021
Sample Depth (ft bgs):			0.00-0.25	0.00-0.30	0.00-0.20	0.00-0.50	0.00-0.40	1.00-1.00	1.00-1.00
Sample Type:			N	N	N	N	N	N	FD
Latitude:			46.9203879	46.9271048	46.962815	46.947203	46.966682	46.93662949	46.93662949
Longitude:			-67.859899	-67.8395552	-67.86653	-67.851036	-67.871539	-67.84287733	-67.84287733
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	5.3 J	3.8 UJ	3.3 J	3.1 J	4 J	1.98 U	2.05 U
Perfluoropentanoic acid (PFPeA)	-	-	2.2 U	1.7 J	4.4	5.8	4.4	1.98 U	2.05 U
Perfluorohexanoic acid (PFHxA)	46000	33800	3.1 J	1.1 J	3.7 J	2.9 J	2.5 J	2.21 J	1.95 J
Perfluoroheptanoic acid (PFHpA)	-	-	1.8 J	1.9 U	2.1 J	1.6 J	1.3 J	1.13 J	1.37 J
Perfluorooctanoic acid (PFOA)	0.25	36400	1.5 J	1 J	4.4	3.6 J	2.2 J	3.32 J	3.66 J
Perfluorononanoic acid (PFNA)	260	88	2.2 U	1.9 U	2 U	1.1 J	2 U	1.98 U	2.05 U
Perfluorodecanoic acid (PFDA)	0.2	71.6	2.2 U	1.9 U	2 U	2 U	2 U	1.98 U	2.05 U
Perfluoroundecanoic acid (PFUnA)	-	-	2.2 U	1.9 U	2 U	2 U	2 U	1.98 U	2.05 U
Perfluorododecanoic acid (PFDoA)	-	-	2.2 U	1.9 U	2 UJ	2 U	2 U	1.98 U	2.05 U
Perfluorotridecanoic acid (PFTrDA)	-	-	2.2 U	1.9 U	2 UJ	2 U	2 U	1.98 U	2.05 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	2.2 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	1.98 U	2.05 UJ
Perfluorobutanesulfonic acid (PFBS)	30000	160000	2.2 U	1.9 U	2 U	1.9 J	2 U	1.98 U	2.05 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	2.2 U	1.9 U	2 U	2 U	2 U	1.98 U	2.05 U
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	2.2 U	4.1	17.9	11.8	6.8	9.34	9
Perfluoroheptanesulfonic acid (PFHpS)	-	-	2.2 U	1.9 U	2 U	2 U	2 U	1.98 U	2.05 U
Perfluorooctanesulfonic acid (PFOS)	10	12.8	1.1 J	2 J	20.8	53.3	17.5	5.72 J	12.5 J
Perfluorononanesulfonic acid (PFNS)	-	-	2.2 U	1.9 U	2 U	2 U	2 U	1.98 U	2.05 U
Perfluorodecanesulfonic acid (PFDS)	-	-	2.2 U	1.9 U	2 U	2 U	2 U	1.98 U	2.05 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	4.4 U	3.8 U	4 U	4 U	4 U	1.98 U	2.05 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	4.4 U	3.8 U	4 U	4 U	4 U	1.98 U	2.05 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	4.4 U	3.8 U	4 U	4 U	4 U	1.98 U	2.05 U
Perfluorooctane sulfonamide (PFOSA)	-	-	2.2 UJ	1.9 UJ	2 UJ	2 U	2 UJ	8.28	9.11 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0 R	0 R	0 R	0 R	0 R	9.92 U	10.2 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	4.4 U	3.8 U	4 U	4 U	4 U	1.98 UJ	2.05 UJ
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	4.4 U	3.8 U	4 U	4 U	4 U	1.98 U	2.05 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	NA	NA	NA	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	-	-	NA	NA	NA	NA	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Butterfield Brook Drainage						
Location ID:			LT18	LT19	NP_001	SW/SD17006	SW/SD18002	SW/SD18004	SW/SD18005
Sample ID:			LORNG_LT18_SW_07 082022	LORNG_LT19_SW_07 072022	LORNG_NP_001_SW_ 07202022	LORNG_SW17006_07 092022	LORNG_SW18002_06 182022	LORNG_SW18004_06 192022	LORNG_SW18005_06 192022
Sample Date:			7/8/2022	7/7/2022	7/20/2022	7/9/2022	6/18/2022	6/19/2022	6/19/2022
Sample Depth (ft bgs):			0.00-0.30	0.00-0.25	0.00-0.60	0.00-0.20	0.00-0.00	0.00-0.00	0.00-0.00
Sample Type:			N	N	N	N	N	N	N
Latitude:			46.93662949	46.92838939	46.9285235	46.9620419	46.9668844	46.9574128	46.9513172
Longitude:			-67.84287733	-67.83855118	-67.8480246	-67.8872278	-67.8883784	-67.885533	-67.8780505
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	2.7 J	3.8 UJ	3.6 U	3.9 J	4.1 J	9.8	5 J
Perfluoropentanoic acid (PFPeA)	-	-	4.6	4.4 J	1.8 U	5.2	2.2 J	12.1 J	4.6 J
Perfluorohexanoic acid (PFHxA)	46000	33800	3 J	2.9 J	1.8 U	3.4 J	1.8 J	6.6 J	1.6 J
Perfluoroheptanoic acid (PFHpA)	-	-	1.4 J	1.6 J	1.8 U	3.2 J	1.2 J	6.4	1.7 J
Perfluorooctanoic acid (PFOA)	0.25	36400	3.1 J	2.7 J	1.8 U	2.4 J	1.6 J	8.1	1.8 J
Perfluorononanoic acid (PFNA)	260	88	2 U	1.9 U	1.8 U	1.8 U	1.7 U	1.4 J	1.7 U
Perfluorodecanoic acid (PFDA)	0.2	71.6	2 U	1.9 UJ	1.8 U	1.8 U	1.7 U	1.7 U	1.7 U
Perfluoroundecanoic acid (PFUnA)	-	-	2 U	1.9 UJ	1.8 U	1.8 U	1.7 U	1.7 U	1.7 U
Perfluorododecanoic acid (PFDoA)	-	-	2 UJ	1.9 UJ	1.8 U	1.8 U	1.7 U	1.7 U	1.7 U
Perfluorotridecanoic acid (PFTrDA)	-	-	2 UJ	1.9 UJ	1.8 U	1.8 U	0 R	1.7 UJ	1.7 UJ
Perfluorotetradecanoic acid (PFTeDA)	-	-	2 UJ	1.9 UJ	1.8 U	1.8 U	0 R	1.7 UJ	1.7 UJ
Perfluorobutanesulfonic acid (PFBS)	30000	160000	1.3 J	1.9 UJ	1.8 U	1.8 U	1.2 J	1.8 J	1.7 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	2 U	1.9 UJ	1.8 U	1.8 U	1.5 J	2.4 J	1.7 U
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	11.7	10.9 J	3.1 J	11	20.2	23.1	4.5
Perfluoroheptanesulfonic acid (PFHpS)	-	-	2 U	1.9 UJ	1.8 U	1.8 U	1.3 J	1.7 U	1.7 U
Perfluorooctanesulfonic acid (PFOS)	10	12.8	12.6	13.4 J	1.6 J	15.7	64	21	4.1
Perfluorononanesulfonic acid (PFNS)	-	-	2 U	1.9 UJ	1.8 U	1.8 U	1.7 U	1.7 U	1.7 U
Perfluorodecanesulfonic acid (PFDS)	-	-	2 U	1.9 UJ	1.8 U	1.8 U	1.7 U	1.7 U	1.7 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	4 U	3.8 UJ	3.6 U	3.6 U	3.4 U	3.4 UJ	3.4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	4 U	3.8 UJ	3.6 U	3.6 U	3.4 U	3.4 U	3.4 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	4 U	3.8 UJ	3.6 U	3.6 U	3.4 U	3.4 U	3.4 U
Perfluorooctane sulfonamide (PFOSA)	-	-	2 U	1.9 UJ	1.8 U	1.8 U	0 R	0 R	0 R
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0 R	0 R	0 R	0 R	0 R	0 R	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	4 U	3.8 U	3.6 U	3.6 U	3.4 U	3.4 U	3.4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	4 U	3.8 UJ	3.6 U	3.6 U	3.4 U	3.4 U	3.4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	NA	NA	NA	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	-	-	NA	NA	NA	NA	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Butterfield Brook Drainage		Greenlaw Brook Drainage				
Location ID:			SWI_002	WLB_001	AA19SW-02	AA19SW-03	E-A-SW01J	E-A-SW01K	
Sample ID:			LORNG_SWI_002_SW_08052022	LORNG_WLB_001_SW_07092022	LORNG_AA19SW02_07072022	LORNG_AA19SW03_07072022	E-A-SW01J_20240911	E-A-SW01K_20240912	E-A-SW01K_20240912FD
Sample Date:			8/5/2022	7/9/2022	7/7/2022	7/7/2022	9/11/2024	9/12/2024	9/12/2024
Sample Depth (ft bgs):			0.00-0.00	0.00-0.44	0.00-0.20	0.00-0.20	0.00-0.30	0.00-0.30	0.00-0.30
Sample Type:			N	N	N	N	N	N	FD
Latitude:			46.9505512	46.9813081	46.93162749	46.93015394	46.95933524	46.94798124	46.94798124
Longitude:			-67.8426027	-67.8489166	-67.87780978	-67.87663658	-67.90774203	-67.90735437	-67.90735437
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	3.9 J	2.8 J	4.8 J	3.9 J	3.2 J	37.2	35
Perfluoropentanoic acid (PFPeA)	-	-	3.3 J	1.8 U	6.1	4.2	2.4 U	134	126
Perfluorohexanoic acid (PFHxA)	46000	33800	3.3 J	1.8 U	9.4	4.9	1.5 J	141	135
Perfluoroheptanoic acid (PFHpA)	-	-	2.3 J	1.4 J	2.8 J	3 J	1.2 J	69.3 J-	65.7 J-
Perfluorooctanoic acid (PFOA)	0.25	36400	4	1.8 U	9	3.8	1.7 J	76.9 J-	73.4 J-
Perfluorononanoic acid (PFNA)	260	88	1.9 U	1.8 U	1.2 J	1.3 J	2.4 U	8.5	8.1
Perfluorodecanoic acid (PFDA)	0.2	71.6	1.9 U	1.8 U	1.8 U	8.9 U	2.4 U	1.6 J	1.5 J
Perfluoroundecanoic acid (PFUnA)	-	-	1.9 U	1.8 U	1.8 U	8.9 UJ	2.4 U	1.1 J	0.74 J
Perfluorododecanoic acid (PFDoA)	-	-	1.9 U	1.8 U	1.8 U	8.9 UJ	2.4 U	2.3 U	2.2 U
Perfluorotridecanoic acid (PFTrDA)	-	-	1.9 U	1.8 U	1.8 U	8.9 UJ	2.4 U	2.3 U	2.2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	9.3 UJ	1.8 U	1.8 UJ	0 R	2.4 U	2.3 U	2.2 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	1.9 U	1.8 U	1.8 J	1.8 U	2.4 U	35.2	34.7
Perfluoropentanesulfonic acid (PFPeS)	-	-	1.9 U	1.8 U	2 J	1.8 U	4.7 U	47.2	46.1
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	12.8	1.8 U	77.7	33.3	13.1	426	405
Perfluoroheptanesulfonic acid (PFHpS)	-	-	1.9 U	1.8 U	1.1 J	1.8 U	2.4 U	36.3	36.3
Perfluorooctanesulfonic acid (PFOS)	10	12.8	18.8	1.8 U	67.7	23.6 J	7.6	3000	2530
Perfluorononanesulfonic acid (PFNS)	-	-	1.9 U	1.8 U	1.8 U	8.9 UJ	2.4 U	18.4 J	13.2 J
Perfluorodecanesulfonic acid (PFDS)	-	-	1.9 U	1.8 U	1.8 U	8.9 UJ	2.4 U	29.8 J	14.6 J
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	4.7 U	4.5 U	4.3 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	3.7 U	3.6 U	3.6 U	3.6 U	9.4 U	9.1 U	8.6 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	3.7 U	3.6 U	3.6 U	18 U	9.4 U	112	108
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	3.7 U	3.6 U	3.6 U	3.6 U	9.4 U	16.4 J	14.8 J
Perfluorooctane sulfonamide (PFOSA)	-	-	9.3 UJ	1.8 U	1.8 UJ	8.9 UJ	2.4 U	23.9 J-	19.8 J-
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0 R	0 R	0 R	0 R	4.7 U	4.5 U	4.3 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	4.7 U	4.5 U	4.3 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	3.7 U	3.6 U	3.6 U	3.6 U	4.7 U	4.5 U	4.3 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	3.7 U	3.6 U	3.6 U	18 U	4.7 U	4.5 U	4.3 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	24 U	23 U	22 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	24 U	23 U	22 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	NA	NA	NA	NA	2.4 U	2.3 U	2.2 U
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	4.7 U	4.5 U	4.3 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	4.7 U	4.5 U	4.3 U
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	-	-	NA	NA	NA	NA	4.7 U	4.5 U	4.3 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	-	-	NA	NA	NA	NA	4.7 U	4.5 U	4.3 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	2.4 U	2.3 U	2.2 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	2.4 U	2.3 U	2.2 U
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	-	-	NA	NA	NA	NA	4.7 U	4.5 U	4.3 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	12 U	11 U	11 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	24 U	23 U	22 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	24 U	23 U	22 U

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Greenlaw Brook Drainage						
Location ID:			E-A-SW01M		E-A-SW01N	E-A-SW01O	E-A-SW01P	E-A-SW01Q	E-A-SW01R
Sample ID:			E-A-SW01M_20240910	E-A-SW01M_20240910FD	E-A-SW01N_20241024	E-A-SW01O_20240813	E-A-SW01P_20240813	E-A-SW01Q_20240814	E-A-SW01R_20240814
Sample Date:			9/10/2024	9/10/2024	10/24/2024	8/13/2024	8/13/2024	8/14/2024	8/14/2024
Sample Depth (ft bgs):			0.00-0.50	0.00-0.50	0.00-0.25	4.00-4.00	0.60-0.60	2.00-2.00	0.00-0.50
Sample Type:			N	FD	N	N	N	N	N
Latitude:			46.94595458	46.94595458	46.93948548	46.93012936	46.92953555	46.92679017	46.92581
Longitude:			-67.90409987	-67.90409987	-67.91360957	-67.92199284	-67.92303889	-67.92377785	-67.92354
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	43.5	53.3	7.8 J	5.7 J	5.7 J	5 J	4.9 J
Perfluoropentanoic acid (PFPeA)	-	-	138	139	13.4	6 J	9.5	7.4 J	9.5
Perfluorohexanoic acid (PFHxA)	46000	33800	197	200	18.1	5.1	5.7	4.6 J	4.5 J
Perfluoroheptanoic acid (PFHpA)	-	-	123	122	8.4	3.4 J	3.2 J	2.9 J	2.6 J
Perfluorooctanoic acid (PFOA)	0.25	36400	214	208	10.1	3.9	3.9 J	3.8 J	4 J
Perfluorononanoic acid (PFNA)	260	88	20.1	19.2	1.1 J	0.82 J	0.72 J	0.98 J	0.84 J
Perfluorodecanoic acid (PFDA)	0.2	71.6	1.1 J	1.1 J	1.9 U	1.8 U	2.1 U	2.3 U	2.4 U
Perfluoroundecanoic acid (PFUnA)	-	-	2 U	2 U	1.9 U	1.8 U	2.1 U	2.3 U	2.4 U
Perfluorododecanoic acid (PFDoA)	-	-	2 U	2 U	1.9 U	1.8 U	2.1 U	2.3 U	2.4 U
Perfluorotridecanoic acid (PFTrDA)	-	-	2 U	2 U	1.9 U	1.8 U	2.1 U	2.3 U	2.4 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	2 U	2 U	1.9 U	1.8 U	2.1 U	2.3 U	2.4 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	49.2	48	6.6	1.9 J	2.3 J	1.9 J	2.1 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	73.4	72.8	8.8	2.4 J	2.4 J	2.1 J	2.4 J
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	618	701	66.3	23.9	22.1	18.7	19.5
Perfluoroheptanesulfonic acid (PFHpS)	-	-	65.2	64	3.7 J	1.2 J	0.72 J	2.3 U	1.3 J
Perfluorooctanesulfonic acid (PFOS)	10	12.8	3500	3450	151	61	61.1	53.7	60
Perfluorononanesulfonic acid (PFNS)	-	-	14.1	14.4	1.9 U	1.8 U	2.1 U	2.3 U	2.4 U
Perfluorodecanesulfonic acid (PFDS)	-	-	3.9 J	3.1 J	1.9 U	1.8 U	2.1 U	2.3 U	2.4 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	3.9 U	4 U	3.8 U	3.6 U	4.3 U	4.7 U	4.8 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	7.8 U	7.9 U	7.6 U	7.3 U	8.5 U	9.3 U	9.5 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	217	217	7.6 U	7.3 U	8.5 U	9.3 U	9.5 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	77.8	79.1	7.6 U	7.3 U	8.5 U	9.3 U	9.5 U
Perfluorooctane sulfonamide (PFOSA)	-	-	24.6	24	1.9 U	1.8 U	0.79 J	2.3 U	2.4 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	3.9 U	4 U	3.8 U	3.6 U	4.3 U	4.7 U	4.8 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	3.9 U	4 U	3.8 U	3.6 U	4.3 U	4.7 U	4.8 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	3.9 U	4 U	3.8 U	3.6 U	4.3 U	4.7 U	4.8 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	3.9 U	4 U	3.8 U	3.6 U	4.3 U	4.7 U	4.8 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	20 U	20 U	19 U	18 U	21 U	23 U	24 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	20 U	20 U	19 U	18 U	21 U	23 U	24 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	2 U	2 U	1.9 U	1.8 U	2.1 U	2.3 U	2.4 U
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	-	3.9 U	4 U	3.8 U	3.6 U	4.3 U	4.7 U	4.8 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	3.9 U	4 U	3.8 U	3.6 U	4.3 U	4.7 U	4.8 U
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	-	-	3.9 U	4 U	3.8 U	3.6 U	4.3 U	4.7 U	4.8 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	-	-	3.9 U	4 U	3.8 U	3.6 U	4.3 U	4.7 U	4.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	2 U	2 U	1.9 U	1.8 U	2.1 U	2.3 U	2.4 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	2 U	2 U	1.9 U	1.8 U	2.1 U	2.3 U	2.4 U
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	-	-	3.9 U	4 U	3.8 U	3.6 U	4.3 U	4.7 U	4.8 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	9.8 U	9.9 U	9.5 U	9.1 U	11 U	12 U	12 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	20 U	20 U	19 U	18 U	21 U	23 U	24 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	20 U	20 U	19 U	18 U	21 U	23 U	24 U

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Greenlaw Brook Drainage						
Location ID:			E-A-SW01S	E-A-SW01T		E-A-SW01U	E-A-SW01V	E-A-SW01W	
Sample ID:			E-A-SW01S_20241023	E-A-SW01T_20240910	E-A-SW01T_20240910FD	E-A-SW01U_20241003	E-A-SW01V_20241002	E-A-SW01W_20241003	E-A-SW01W_20241003FD
Sample Date:			10/23/2024	9/10/2024	9/10/2024	10/3/2024	10/2/2024	10/3/2024	10/3/2024
Sample Depth (ft bgs):			0.00-0.25	0.00-1.00	0.00-1.00	0.00-0.30	0.00-1.00	0.00-0.50	0.00-0.50
Sample Type:			N	N	FD	N	N	N	FD
Latitude:			46.92884038	46.92663308	46.92663308	46.92693324	46.93471233	46.92827332	46.92827332
Longitude:			-67.87739196	-67.88584604	-67.88584604	-67.89841237	-67.89680147	-67.89918241	-67.89918241
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	8.8 J	4.5 U	3.1 J	7.5	11.6 J	12	12
Perfluoropentanoic acid (PFPeA)	-	-	5.8 J	3.3 J	3.3 J	9.2	30.9	33	33
Perfluorohexanoic acid (PFHxA)	46000	33800	3.5 J	2.5 J	2.2 J	12	30.6	33	33
Perfluoroheptanoic acid (PFHpA)	-	-	2.4 J	1.4 J	1.3 J	9.5	14.7	16	16
Perfluorooctanoic acid (PFOA)	0.25	36400	3.1 J	2.7 J	2.3 J	11	24.4	25	26
Perfluorononanoic acid (PFNA)	260	88	1.1 J	0.83 J	0.95 J	1.4 J	1.8 J	2.1	2.1
Perfluorodecanoic acid (PFDA)	0.2	71.6	2 U	2.2 U	2.2 U	0.86 U	1.9 U	0.91 U	0.92 U
Perfluoroundecanoic acid (PFUnA)	-	-	2 U	2.2 U	2.2 U	1.3 U	1.9 U	1.3 U	1.4 U
Perfluorododecanoic acid (PFDoA)	-	-	2 U	2.2 U	2.2 U	0.86 U	1.9 U	0.91 U	0.92 U
Perfluorotridecanoic acid (PFTrDA)	-	-	2 U	2.2 U	2.2 U	1.3 U	1.9 U	1.3 U	1.4 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	2 U	2.2 U	2.2 U	0.86 U	1.9 U	0.91 U	0.92 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	0.64 J	0.9 J	0.89 J	3.5	5.7	5.7	6.1
Perfluoropentanesulfonic acid (PFPeS)	-	-	3.9 U	4.5 U	4.4 U	4.8	8	8	8.1
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	15.9	19.6	21.2	76	100	130	120
Perfluoroheptanesulfonic acid (PFHpS)	-	-	2 U	2.2 U	2.2 U	1.2 J	2.9 J	1.9	1.8
Perfluorooctanesulfonic acid (PFOS)	10	12.8	6.1	10.7	10.7	66	89.1	110	98
Perfluorononanesulfonic acid (PFNS)	-	-	2 U	2.2 U	2.2 U	1.2 U	1.9 U	1.2 U	1.3 U
Perfluorodecanesulfonic acid (PFDS)	-	-	2 U	2.2 U	2.2 U	1.2 U	0.71 J	1.2 U	1.3 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	3.9 U	4.5 U	4.4 U	0.86 U	3.7 U	0.91 U	0.92 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	7.8 U	90 U	8.9 U	3.2 U	7.4 U	3.4 U	3.5 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	7.8 U	9 U	8.9 U	3.3 U	9.6 J	3.5 U	3.6 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	7.8 U	9 U	8.9 U	4.8 U	7.4 U	5 U	5.1 U
Perfluorooctane sulfonamide (PFOSA)	-	-	2 U	2.2 U	2.2 U	0.82 J	2.9 J	1.3 J	1.3 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	3.9 U	4.5 U	4.4 U	1.3 U	3.7 U	1.3 U	1.4 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	3.9 U	4.5 U	4.4 U	1.3 U	3.7 U	1.3 U	1.4 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	3.9 U	4.5 U	4.4 U	1.3 U	3.7 U	1.3 U	1.4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	3.9 U	4.5 U	4.4 U	0.86 U	3.7 U	0.91 U	0.92 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	20 U	22 U	22 U	8.6 U	19 U	9.1 U	9.2 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	20 U	22 U	22 U	8.6 U	19 U	9.1 U	9.2 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	2 U	2.2 U	2.2 U	3.4 U	1.9 U	3.6 U	3.7 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	3.9 U	4.5 U	4.4 U	3.2 U	3.7 U	3.4 U	3.5 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	3.9 U	4.5 U	4.4 U	1.3 U	3.7 U	1.3 U	1.4 U
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	-	-	3.9 U	4.5 U	4.4 U	3.2 U	3.7 U	3.4 U	3.5 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	-	-	3.9 U	4.5 U	4.4 U	2.4 U	3.7 U	2.5 U	2.5 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	2 U	2.2 U	2.2 U	2.9 U	1.9 U	3.1 U	3.1 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	2 U	2.2 U	2.2 U	2.2 U	1.9 U	2.3 U	2.3 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	3.9 U	4.5 U	4.4 U	25 U	3.7 U	27 U	27 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	9.8 U	11 U	11 U	6.3 U	9.3 U	6.6 U	6.7 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	20 U	22 U	22 U	31 U	19 U	33 U	34 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	20 U	22 U	22 U	31 U	19 U	33 U	34 U

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Greenlaw Brook Drainage						
Location ID:			E-A-SW01X		E-A-SW01Y	E-A-SW01Z	E-A-SW02I	E-A-SW02L	E-A-SW02N
Sample ID:			E-A-SW01X_20240912	E-A-SW01X_20240912FD	E-A-SW01Y_20240820	E-A-SW01Z_20240919	E-A-SW02I_20241022	E-A-SW02L_20241021	E-A-SW02N_20241024
Sample Date:			9/12/2024	9/12/2024	8/20/2024	9/19/2024	10/22/2024	10/21/2024	10/24/2024
Sample Depth (ft bgs):			0.00-0.50	0.00-0.50	0.00-0.25	0.00-1.00	0.00-0.25	0.00-0.10	0.00-0.25
Sample Type:			N	FD	N	N	N	N	N
Latitude:			46.92308819	46.92308819	46.92128058	46.9134032	46.95893158	46.94364632	46.93977776
Longitude:			-67.90411444	-67.90411444	-67.91658104	-67.93132488	-67.90207741	-67.90947453	-67.91177225
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	7.5 J	8.5 J	5.4 J	4.7 J	4.1 J	7.9 J	7.4 J
Perfluoropentanoic acid (PFPeA)	-	-	18.5	20.3	12.2	9.8	4.4 J	15.2	13.5
Perfluorohexanoic acid (PFHxA)	46000	33800	18	18.8	12.3	8.7	0.65 J	19.3	16.9
Perfluoroheptanoic acid (PFHpA)	-	-	10.2	10.3	6.4	5.1	0.57 J	10.7	8.7
Perfluorooctanoic acid (PFOA)	0.25	36400	14.9	15.1	9.8	7.5	1 U	11.9	9.5
Perfluorononanoic acid (PFNA)	260	88	1.6 J	1.5 J	1.1 J	0.77 J	2 U	1.4 J	1.2 J
Perfluorodecanoic acid (PFDA)	0.2	71.6	2.1 U	2.1 U	2 U	1.9 U	2 U	1.9 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	2.1 U	2.1 U	2 U	1.9 U	2 U	1.9 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	2.1 U	2.1 U	2 U	1.9 U	2 U	1.9 U	1.8 U
Perfluorotridecanoic acid (PFTrDA)	-	-	2.1 U	2.1 U	2 U	1.9 U	2 U	1.9 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	2.1 U	2.1 U	2 U	1.9 U	2 U	1.9 U	1.8 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	3.8 J	4 J	1.8 J	2.2 J	2 U	7.7	6.7
Perfluoropentanesulfonic acid (PFPeS)	-	-	5.2 J	5.5	2.1 J	2.6 J	4.1 U	10.8	8.6
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	73.9	75.5	38.8	40.9	3.9 J	79.5	64.6
Perfluoroheptanesulfonic acid (PFHpS)	-	-	1.8 J	1.7 J	0.71 J	1.2 J	2 U	4.6	3.7
Perfluorooctanesulfonic acid (PFOS)	10	12.8	63.9	64.4	51.7	46.1	2 U	191	184
Perfluorononanesulfonic acid (PFNS)	-	-	2.1 U	2.1 U	2 U	1.9 U	2 U	1.2 J	0.62 J
Perfluorodecanesulfonic acid (PFDS)	-	-	2.1 U	2.1 U	2 U	1.9 U	2 U	1 J	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	4.2 U	4.2 U	3.9 U	3.7 U	4.1 U	3.8 U	3.6 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	8.4 U	8.4 U	7.8 U	7.4 U	41 U	7.6 U	7.3 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	8.4 U	8.4 U	7.8 U	7.4 U	8.2 U	7.6 U	7.3 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	8.4 U	8.4 U	7.8 U	7.4 U	8.2 U	7.6 U	7.3 U
Perfluorooctane sulfonamide (PFOSA)	-	-	2.1 U	2.1 U	0.86 J	1.2 J	2 U	0.8 J	1.8 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	4.2 U	4.2 U	3.9 U	3.7 U	4.1 U	3.8 U	3.6 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	4.2 U	4.2 U	3.9 U	3.7 U	4.1 U	3.8 U	3.6 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	4.2 U	4.2 U	3.9 U	3.7 U	4.1 U	3.8 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	4.2 U	4.2 U	3.9 U	3.7 U	4.1 U	3.8 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	21 U	21 U	20 U	19 U	20 U	19 U	18 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	21 U	21 U	20 U	19 U	20 U	19 U	18 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	2.1 U	2.1 U	2 U	1.9 U	2 U	1.9 U	1.8 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	4.2 U	4.2 U	3.9 U	3.7 U	4.1 U	3.8 U	3.6 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	4.2 U	4.2 U	3.9 U	3.7 U	4.1 U	3.8 U	3.6 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	4.2 U	4.2 U	3.9 U	3.7 U	4.1 U	3.8 U	3.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	-	-	4.2 U	4.2 U	3.9 U	3.7 U	4.1 U	3.8 U	3.6 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	2.1 U	2.1 U	2 U	1.9 U	2 U	1.9 U	1.8 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	2.1 U	2.1 U	2 U	1.9 U	2 U	1.9 U	1.8 U
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	-	-	4.2 U	4.2 U	3.9 U	3.7 U	4.1 U	3.8 U	3.6 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	11 U	11 U	9.8 U	9.3 U	10 U	9.5 U	9.1 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	21 U	21 U	20 U	19 U	20 U	19 U	18 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	21 U	21 U	20 U	19 U	20 U	19 U	18 U

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Greenlaw Brook Drainage						
Location ID:			E-A-SW02O	E-A-SW02U	E-A-SW02V		E-A-SW02Z	E-A-SW03I	E-A-SW03L
Sample ID:			E-A-SW02O_20240817	E-A-SW02U_20241023	E-A-SW02V_20241002	E-A-SW02V_20241002FD	E-A-SW02Z_20240919	E-A-SW03I_20241022	E-A-SW03L_20241031
Sample Date:			8/17/2024	10/23/2024	10/2/2024	10/2/2024	9/19/2024	10/22/2024	10/31/2024
Sample Depth (ft bgs):			0.00-0.50	0.00-0.25	0.00-1.00	0.00-1.00	0.00-1.00	0.00-0.10	0.00-1.00
Sample Type:			N	N	N	FD	N	N	N
Latitude:			46.9312594	46.92637153	46.93761979	46.93761979	46.91423891	46.96014564	46.94526456
Longitude:			-67.92045129	-67.89583248	-67.89656089	-67.89656089	-67.9302757	-67.89895398	-67.90968602
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	4.2 J	6.7 J	11.4 J	12.1 J	5.1 J	3.6 J	6.5 J
Perfluoropentanoic acid (PFPeA)	-	-	6.6 J	8	30.2	31.6	10.5	2 U	13.3
Perfluorohexanoic acid (PFHxA)	46000	33800	5.5	7.9	29.6	30.6	9.5	2 U	14.2
Perfluoroheptanoic acid (PFHpA)	-	-	3.4 J	7.3	13.8	14.4	5	2 U	8.9
Perfluorooctanoic acid (PFOA)	0.25	36400	4.6 J	4.5	25.2	26.1	8.2	1 U	7.9
Perfluorononanoic acid (PFNA)	260	88	0.75 J	0.87 J	2 J	1.9 J	0.78 J	2 U	1.3 J
Perfluorodecanoic acid (PFDA)	0.2	71.6	2.4 U	2 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	2.4 U	2 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	2.4 U	2 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U
Perfluorotridecanoic acid (PFTrDA)	-	-	2.4 U	2 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	2.4 U	2 U	1.9 U	1.9 U	1.9 U	0 R	1.9 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	2.6 J	1.8 J	5.8	6	2.1 J	2 U	5.1
Perfluoropentanesulfonic acid (PFPeS)	-	-	2.9 J	2.7 J	8.1	9.1	2.5 J	4 U	7.4
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	27.1	34	92.1	96.4	35.9	1 J	58.1
Perfluoroheptanesulfonic acid (PFHpS)	-	-	1.3 J	0.77 J	3.8	3.7	0.97 J	2 UJ	2.9 J
Perfluorooctanesulfonic acid (PFOS)	10	12.8	81.5	34.3	121	124	50.7	2 UJ	151
Perfluorononanesulfonic acid (PFNS)	-	-	2.4 U	2 U	1.9 U	1.9 U	1.9 U	2 UJ	0.89 J
Perfluorodecanesulfonic acid (PFDS)	-	-	2.4 U	2 U	1.9 U	1.9 U	1.9 U	2 UJ	1.9 J
Perfluorododecanesulfonic acid (PFDoS)	-	-	4.8 U	3.9 U	3.7 U	3.7 U	3.7 U	4 UJ	3.7 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	9.5 U	7.8 UJ	7.4 U	7.4 U	7.4 U	8 UJ	7.5 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	9.5 U	7.8 U	21.2	23.4	7.4 U	8 U	7.5 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	9.5 U	7.8 U	7.4 U	7.4 U	7.4 U	8 U	7.5 U
Perfluorooctane sulfonamide (PFOSA)	-	-	2.4 U	2 U	2.2 J	2.2 J	1.3 J	2 U	1.2 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	4.8 U	3.9 U	3.7 U	3.7 U	3.7 U	4 U	3.7 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	4.8 U	3.9 U	3.7 U	3.7 U	3.7 U	0 R	3.7 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	4.8 U	3.9 U	3.7 U	3.7 U	3.7 U	4 UJ	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	4.8 U	3.9 U	3.7 U	3.7 U	3.7 U	4 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	24 U	20 U	19 U	19 U	19 U	0 R	19 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	24 U	20 U	19 U	19 U	19 U	0 R	19 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	2.4 U	2 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	-	4.8 U	3.9 U	3.7 U	3.7 U	3.7 U	4 U	3.7 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	4.8 U	3.9 U	3.7 U	3.7 U	3.7 U	4 U	3.7 U
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	-	-	4.8 U	3.9 U	3.7 U	3.7 U	3.7 U	4 U	3.7 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	-	-	4.8 U	3.9 U	3.7 U	3.7 U	3.7 U	4 U	3.7 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	2.4 U	2 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	2.4 U	2 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	4.8 U	3.9 U	3.7 U	3.7 U	3.7 U	4 U	3.7 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	12 U	9.8 U	9.3 U	9.3 U	9.3 U	10 U	9.3 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	24 U	20 U	19 U	19 U	19 U	20 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	24 U	20 U	19 U	19 U	19 U	20 U	19 U

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Greenlaw Brook Drainage						
Location ID:			E-A-SW03V	E-A-SW03Z	E-A-SW04Z	A12	A15		EBGB_001
Sample ID:			E-A-SW03V_20241002	E-A-SW03Z_20240919	E-A-SW04Z_20241023	F-GWA12_20240910	F-GWA15_20240911	F-GWA15_20240911FD	LORNG_EBGB_001_S W_07092022
Sample Date:			10/2/2024	9/19/2024	10/23/2024	9/10/2024	9/11/2024	9/11/2024	7/9/2022
Sample Depth (ft bgs):			0.00-1.00	0.00-1.00	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.20
Sample Type:			N	N	N	N	N	FD	N
Latitude:			46.93918989	46.91573384	46.91681382	46.92869365	46.92628903	46.92628903	46.9270239
Longitude:			-67.89638437	-67.9274074	-67.92736619	-67.87735955	-67.88352056	-67.88352056	-67.8994062
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	10.6 J	4.7 J	4.8 J	7.4 J	6 J	3.7 J	6.4 J
Perfluoropentanoic acid (PFPeA)	-	-	26.6	10.7	7.9	10.6	35.3	20 U	16.9
Perfluorohexanoic acid (PFHxA)	46000	33800	25.2	9.9	7.1	3.7 J	4.4 J	3.9 J	15.5
Perfluoroheptanoic acid (PFHpA)	-	-	12.6	4.9	4.1	4.4	2.8 J	2.4 J	8.8
Perfluorooctanoic acid (PFOA)	0.25	36400	20.8	8	5.6	3.1 U	2.5 J	2.1 J	14.8
Perfluorononanoic acid (PFNA)	260	88	1.7 J	0.94 J	0.72 J	1.2 J	1.5 J	1.5 J	1.6 J
Perfluorodecanoic acid (PFDA)	0.2	71.6	1.9 U	1.9 U	1.9 U	2 U	2 U	2 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	1.9 U	1.9 U	1.9 U	2 U	2 U	2 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	1.9 U	1.9 U	1.9 U	2 U	2 U	2 U	1.8 U
Perfluorotridecanoic acid (PFTrDA)	-	-	1.9 U	1.9 U	1.9 U	2 U	2 UJ	2 UJ	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	1.9 U	1.9 U	1.9 U	2 U	2 U	2 U	1.8 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	5.2	2.1 J	1.7 J	0.54 J	2 U	2 U	3 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	7.4	2.9 J	2.4 J	4 U	4 U	4 U	4.2
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	86.4	39.6	27.4	12.7	2.4 J	2.3 J	65.1
Perfluoroheptanesulfonic acid (PFHpS)	-	-	3.4 J	1.2 J	0.86 J	2 U	2 U	2 U	1.8 J
Perfluorooctanesulfonic acid (PFOS)	10	12.8	123	58	29.4	4	10.9	10.4	75
Perfluorononanesulfonic acid (PFNS)	-	-	1.9 U	1.9 U	1.9 U	2 U	2 U	2 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	-	-	1.9 U	1.9 U	1.9 U	2 U	2 UJ	2 UJ	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	3.7 U	3.7 U	3.8 U	4 U	4 UJ	4 UJ	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	7.4 U	7.4 U	7.6 U	8 U	80 U	80 U	3.6 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	26	7.4 U	7.6 U	8 U	5.1 J	4.3 J	2.7 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	7.4 U	7.4 U	7.6 U	8 U	8 U	8 U	3.6 U
Perfluorooctane sulfonamide (PFOSA)	-	-	2.2 J	2.7 J	1.9 U	2 U	2 U	2 U	1.7 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	3.7 U	3.7 U	3.8 U	4 U	4 U	4 U	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	3.7 U	3.7 U	3.8 U	4 U	4 U	4 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	3.7 U	3.7 U	3.8 U	4 U	4 U	4 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	3.7 U	3.7 U	3.8 U	4 U	4 U	4 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	19 U	19 U	19 U	20 U	20 U	20 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	19 U	19 U	19 U	20 U	20 U	20 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	1.9 U	1.9 U	1.9 U	2 U	20 U	20 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	3.7 U	3.7 U	3.8 U	4 U	40 U	40 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	3.7 U	3.7 U	3.8 U	4 U	4 U	40 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	3.7 U	3.7 U	3.8 U	4 U	40 UJ	40 UJ	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	-	-	3.7 U	3.7 U	3.8 U	4 U	40 UJ	40 UJ	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	1.9 U	1.9 U	1.9 U	2 U	2 U	2 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	1.9 U	1.9 U	1.9 U	2 U	2 U	2 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	3.7 U	3.7 U	3.8 U	4 U	4 U	4 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	9.3 U	9.3 U	9.5 U	10 U	10 U	100 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	19 U	19 U	19 U	20 U	20 U	20 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	19 U	19 U	19 U	20 U	20 U	20 U	NA

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Greenlaw Brook Drainage						
Location ID:			EBGB_002	EBGB_003	EBGB_005	EBGB_006		GB_003	GB_004
Sample ID:			LORNG_EBGB_002_S W_07102022	LORNG_EBGB_003_S W_07092022	LORNG_EBGB_005_S W_07102022	LORNG_EBGB_006_S W_07092022	LORNG_EBGB_006_S W_07092022FD	LORNG_GB_003_SW_ 07072022	LORNG_GB_004_SW_ 07072022
Sample Date:			7/10/2022	7/9/2022	7/10/2022	7/9/2022	7/9/2022	7/7/2022	7/7/2022
Sample Depth (ft bgs):			0.00-0.10	0.00-0.20	0.00-0.10	0.00-0.20	0.00-0.20	0.00-0.50	0.00-0.30
Sample Type:			N	N	N	N	FD	N	N
Latitude:			46.9267444	46.9255096	46.9292273	46.9194826	46.9194826	46.8982899	46.9067022
Longitude:			-67.8968606	-67.9010706	-67.8736283	-67.8899969	-67.8899969	-67.9500288	-67.9348505
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	11.2 J	6.9 J	5.2 J	3.6 UJ	4 UJ	3.7 J	3.6 U
Perfluoropentanoic acid (PFPeA)	-	-	7.4 J	19.5	5.7 J	1.8 U	2 U	9.3	1.8 U
Perfluorohexanoic acid (PFHxA)	46000	33800	8.8 J	15.3	10 U	1.8 U	2 U	6.3	1.8 U
Perfluoroheptanoic acid (PFHpA)	-	-	5.4	8.9	2.2 J	1.8 U	2 U	4.4	1.8 U
Perfluorooctanoic acid (PFOA)	0.25	36400	7.3	13.6	1.8 J	0.9 J	2 U	6.6	1.8 U
Perfluorononanoic acid (PFNA)	260	88	1.3 J	1.6 J	2 U	1.8 U	2 U	1 J	1.8 U
Perfluorodecanoic acid (PFDA)	0.2	71.6	1.8 U	1.8 U	2 U	1.8 U	2 U	2 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	1.8 U	1.8 U	2 U	1.8 U	2 U	2 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	8.9 UJ	1.8 U	10 UJ	1.8 U	2 U	2 U	1.8 U
Perfluorotridecanoic acid (PFTrDA)	-	-	8.9 UJ	1.8 U	10 UJ	1.8 U	2 U	2 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0 R	1.8 U	0 R	1.8 U	2 U	2 U	1.8 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	8.9 U	2.7 J	10 U	1.8 U	2 U	1.4 J	1.8 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	8.9 U	3.5 J	10 U	1.8 U	2 U	1.6 J	1.8 U
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	41.8	55.5	1.5 J	1.8 U	2 U	24.3	1.8 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	1.1 J	1.6 J	2 U	1.8 U	2 U	2 U	1.8 U
Perfluorooctanesulfonic acid (PFOS)	10	12.8	53.9	76.4	6.7	1.8 U	2 U	49.1	1.8 U
Perfluorononanesulfonic acid (PFNS)	-	-	1.8 U	1.8 U	2 U	1.8 U	2 U	2 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	-	-	1.8 U	1.8 U	2 U	1.8 U	2 U	2 U	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	18 U	3.6 U	20 U	3.6 U	4 U	4 U	3.6 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	3.6 U	3.6 U	4 U	3.6 U	4 U	4 U	3.6 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	3.6 U	3.6 U	4 U	3.6 U	4 U	4 U	3.6 U
Perfluorooctane sulfonamide (PFOSA)	-	-	8.9 UJ	1.2 J	0 R	0 R	2 UJ	1.3 J	1.8 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0 R	0 R	0 R	0 R	0 R	20 UJ	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	3.6 U	3.6 U	4 U	3.6 U	4 U	4 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	3.6 U	3.6 U	20 U	3.6 U	4 U	4 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	NA	NA	NA	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	NA	NA	NA	NA	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Greenlaw Brook Drainage						
Location ID:			LMR_001	LMR_002	LORNG-LT-03	LORNG-LT-04	LORNG-LT-05	LORNG-LT-05A	
Sample ID:			LORNG_LMR_001_S W_07082022	LORNG_LMR_002_S W_07082022	LORNG_LT03_SW_07 112022	LORNG-LT04-SW- 10242021	LORNG-LT05-SW- 10242021	LORNG-LT05A-SW- 10242021	LORNG_LT05A_SW_0 7102022
Sample Date:			7/8/2022	7/8/2022	7/11/2022	10/24/2021	10/24/2021	10/24/2021	7/10/2022
Sample Depth (ft bgs):			0.00-0.20	0.00-0.20	0.00-0.60	0.25-0.25	1.00-1.00	1.50-1.50	0.00-0.30
Sample Type:			N	N	N	N	N	N	N
Latitude:			46.8977721	46.8894893	46.95449456	46.94404924	46.925703	46.92880536	46.92880536
Longitude:			-67.9519853	-67.9492132	-67.90942735	-67.90925396	-67.923365	-67.92198201	-67.92198201
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	4 UJ	3.7 UJ	2.3 J	5.04	4.66	5.54	20 UJ
Perfluoropentanoic acid (PFPeA)	-	-	2 UJ	2.6 J	2 U	12.5	10.4	10.9	6.3 J
Perfluorohexanoic acid (PFHxA)	46000	33800	2 UJ	1.9 U	2 U	15.1	10.3	11.4	6.8
Perfluoroheptanoic acid (PFHpA)	-	-	2 UJ	1.1 J	2 U	8.29	5.61	6.73	4.4
Perfluorooctanoic acid (PFOA)	0.25	36400	2 U	1.9 U	1.1 J	12.4	6.37	7.66	5.4
Perfluorononanoic acid (PFNA)	260	88	2 U	1.9 U	2 U	1.26 J	2.06 U	2.02 U	1.1 J
Perfluorodecanoic acid (PFDA)	0.2	71.6	2 U	1.9 U	2 U	1.97 U	2.06 U	2.02 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	2 UJ	1.9 U	2 U	1.97 U	2.06 U	2.02 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	2 UJ	1.9 U	2 U	1.97 U	2.06 U	2.02 U	2 U
Perfluorotridecanoic acid (PFTrDA)	-	-	2 UJ	1.9 U	2 UJ	1.97 U	2.06 U	2.02 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	2 UJ	1.9 UJ	10 UJ	1.97 U	2.06 U	2.02 U	10 UJ
Perfluorobutanesulfonic acid (PFBS)	30000	160000	2 UJ	1.9 U	2 U	6.84	4.75	5.89	2.8 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	2 UJ	1.9 U	2 U	8.41	5.86	5.92	3.5 J
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	2 U	1.3 J	5.2	72.5	43.2	52.2	27.5
Perfluoroheptanesulfonic acid (PFHpS)	-	-	2 U	1.9 U	2 U	1.58 J	1.13 J	2.02 U	1.6 J
Perfluorooctanesulfonic acid (PFOS)	10	12.8	2 U	3.1 J	3.7 J	168	92.8	74.1	125
Perfluorononanesulfonic acid (PFNS)	-	-	2 U	1.9 U	2 U	1.97 U	2.06 U	2.02 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	2 UJ	1.9 U	2 U	1.97 U	2.06 U	2.02 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	4 UJ	3.7 U	4 U	1.97 U	2.06 U	2.02 U	4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	4 U	3.7 U	4 U	1.97 U	2.06 U	2.02 U	4 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	4 U	3.7 U	4 U	1.97 U	2.06 U	2.02 U	4 U
Perfluorooctane sulfonamide (PFOSA)	-	-	2 UJ	1.9 UJ	2 U	6.18	2.06 U	5.87	10 UJ
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0 R	0 R	0 R	9.84 U	10.3 U	10.1 U	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	4 U	3.7 U	4 U	1.97 UJ	2.06 UJ	2.02 UJ	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	4 UJ	3.7 U	4 U	1.97 U	2.06 U	2.02 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	NA	NA	NA	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	-	-	NA	NA	NA	NA	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Greenlaw Brook Drainage						
Location ID:			LORNG-LT-10-01		LORNG-LT-10-02		LORNG-LT-10-05	LORNG-LT-10-06	LORNG-LT-10-06A
Sample ID:			LORNG-LT1001-SW-10242021	LORNG_LT1001_SW_07102022	LORNG_LT1002_SW_07102022	LORNG_LT1002_SW_07102022FD	LORNG_LT1005_SW_07092022	LORNG_LT1006_SW_07082022	LORNG-LT1006A-SW-10242021
Sample Date:			10/24/2021	7/10/2022	7/10/2022	7/10/2022	7/9/2022	7/8/2022	10/24/2021
Sample Depth (ft bgs):			0.50-0.50	0.00-0.30	0.00-0.35	0.00-0.35	0.00-0.20	0.00-0.20	1.00-1.00
Sample Type:			N	N	N	FD	N	N	N
Latitude:			46.92103373	46.92103373	46.931501	46.931501	46.9214381	46.91857915	46.91456902
Longitude:			-67.91644664	-67.91644664	-67.8980758	-67.8980758	-67.90656098	-67.92667019	-67.9302664
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	5.91	20 U	12.4 J	13.7 J	7 J	5 J	4.27
Perfluoropentanoic acid (PFPeA)	-	-	15.2	17.1	25.3	26	18.3	9.2	10.4
Perfluorohexanoic acid (PFHxA)	46000	33800	18.5	15.5	24.1	25	15.5	7.4	11.4
Perfluoroheptanoic acid (PFHpA)	-	-	9.17	8.7	13	13.4	8.9	5	5.59
Perfluorooctanoic acid (PFOA)	0.25	36400	13.5	14.6	24.8	26.9	14.5	7.3	9.33
Perfluorononanoic acid (PFNA)	260	88	2.06 U	1.8 J	2.2 J	2.8 J	1.7 J	2 U	2.02 U
Perfluorodecanoic acid (PFDA)	0.2	71.6	2.06 U	2 U	1.8 U	1.8 U	1.8 U	2 U	2.02 U
Perfluoroundecanoic acid (PFUnA)	-	-	2.06 U	10 U	8.9 U	8.9 U	1.8 U	2 U	2.02 U
Perfluorododecanoic acid (PFDoA)	-	-	2.06 U	10 UJ	8.9 UJ	8.9 UJ	1.8 U	2 U	2.02 U
Perfluorotridecanoic acid (PFTriDA)	-	-	2.06 U	10 UJ	8.9 UJ	8.9 UJ	1.8 U	2 U	2.02 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	2.06 U	10 UJ	8.9 UJ	8.9 UJ	1.8 U	2 UJ	2.02 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	2.96 J	3.3 J	5.5	4.5	2.7 J	1.9 J	2.18 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	3.91 J	4	6.6	7.1	3.4 J	2.4 J	4.34
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	64.5	55.9	91.3	96.8	57	28.6	47.8
Perfluoroheptanesulfonic acid (PFHpS)	-	-	2.06 U	1.8 J	3 J	3.6	1.7 J	1.4 J	2.02 U
Perfluorooctanesulfonic acid (PFOS)	10	12.8	53.7	82.2	132 J	200 J	76.4	58.9	38.7
Perfluorononanesulfonic acid (PFNS)	-	-	2.06 U	2 U	1.8 U	1.8 U	1.8 U	2 U	2.02 U
Perfluorodecanesulfonic acid (PFDS)	-	-	2.06 U	10 U	8.9 U	8.9 U	1.8 U	2 U	2.02 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	2.06 U	4 U	3.6 U	3.6 U	3.6 U	4 U	2.02 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	2.06 U	4 U	8.3	9.2	3.6 U	4 U	2.02 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	2.06 U	4 U	3.6 U	1.8 J	3.6 U	4 U	2.02 U
Perfluorooctane sulfonamide (PFOSA)	-	-	7.05	10 U	1.8 U	8.9 UJ	1.5 J	2 UJ	5.04
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	10.3 U	0 R	0 R	0 R	0 R	0 R	10.1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	2.06 UJ	4 U	3.6 U	3.6 U	3.6 U	4 U	2.02 UJ
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	2.06 U	20 U	3.6 U	3.6 U	3.6 U	4 U	2.02 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	NA	NA	NA	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	NA	NA	NA	NA	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Greenlaw Brook Drainage						
Location ID:			LORNG-LT-10-06A	LT-04		LT-05B	LT02B		SW/SD08002
Sample ID:			LORNG_LT1006A_SW_070 72022	LORNG_LT04_SW_07 112022	LORNG_LT04_SW_07 112022FD	LORNG_LT05_SW_07 102022	LORNG_LT02_SW_07 082022	LORNG_LT02_SW_07 082022FD	LORNG_SW08002_07 112022
Sample Date:			7/7/2022	7/11/2022	7/11/2022	7/10/2022	7/8/2022	7/8/2022	7/11/2022
Sample Depth (ft bgs):			0.00-0.50	0.00-0.20	0.00-0.20	0.00-0.40	0.00-0.20	0.00-0.20	0.00-0.25
Sample Type:			N	N	FD	N	N	FD	N
Latitude:			46.91456902	46.94408411	46.94408411	46.925703	46.896987	46.896987	46.9397225
Longitude:			-67.9302664	-67.90923192	-67.90923192	-67.923365	-67.952367	-67.952367	-67.8961106
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	4.2 J	6.1 J	5.9 J	18 U	3.5 J	4.4 J	5.3 J
Perfluoropentanoic acid (PFPeA)	-	-	10.7	17.4	17.7	5.8 J	8.4	7.8	15.1
Perfluorohexanoic acid (PFHxA)	46000	33800	7.8	14.4	13.9	5.8	5.1	5.8	13.2
Perfluoroheptanoic acid (PFHpA)	-	-	4.9	8.7	8.7	3.7	4	3.7 J	8.8
Perfluorooctanoic acid (PFOA)	0.25	36400	7.1	10.9	10.1	5.2	4.8	5.7	12.2
Perfluorononanoic acid (PFNA)	260	88	1.1 J	1.5 J	1.5 J	1 J	2 U	2 U	1.3 J
Perfluorodecanoic acid (PFDA)	0.2	71.6	1.8 U	2 U	2 U	1.8 U	2 U	2 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	1.8 U	2 U	2 U	8.9 U	2 U	2 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	1.8 U	2 U	2 U	8.9 UJ	2 U	2 U	1.8 U
Perfluorotridecanoic acid (PFTrDA)	-	-	1.8 U	2 U	2 U	8.9 UJ	2 U	2 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	1.8 U	10 U	2 U	8.9 UJ	2 U	2 U	1.8 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	1.6 J	5.1	4.9	2.1 J	1.4 J	1.4 J	2.5 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	2 J	7.1	6.3	2.8 J	1.5 J	2 J	3.6
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	26.9	63.1	59.1	24.1	20.1	21.6	51.1
Perfluoroheptanesulfonic acid (PFHpS)	-	-	1.1 J	4.5	4.2	1.6 J	2 U	2 U	1.7 J
Perfluorooctanesulfonic acid (PFOS)	10	12.8	60.8	218	230	94	39.3	42.4	63.8
Perfluorononanesulfonic acid (PFNS)	-	-	1.8 U	2 U	2 U	1.8 U	2 U	2 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	-	-	1.8 U	2 U	2 U	8.9 U	2 U	2 U	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	3.6 U	4 U	4 U	3.6 U	4 U	4 U	3.6 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	3.6 U	2.2 J	2.1 J	3.6 U	4 U	4 U	11.1
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	3.6 U	4 U	4 U	3.6 U	4 U	4 U	2.1 J
Perfluorooctane sulfonamide (PFOSA)	-	-	8.9 U	2 U	10 UJ	8.9 UJ	2 U	2 UJ	2 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0 R	0 R	0 R	0 R	0 R	0 R	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	3.6 U	4 U	4 U	3.6 U	4 U	4 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	3.6 U	4 U	4 U	18 U	4 U	4 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	NA	NA	NA	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	NA	NA	NA	NA	NA	NA	NA
11-Chlororicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Greenlaw Brook Drainage						
Location ID:			SW/SD08002	SW/SD09002	SW/SD11004	SW/SD11005	SW/SD11006	SW/SD11007	SW/SD11008
Sample ID:			LORNG_SW08002_07 112022FD	LORNG_SW09002_07 112022	LORNG_SW11004_06 212022	LORNG_SW11005_07 122022	LORNG_SW11006_07 122022	LORNG_SW11007_07 112022	LORNG_SW11008_06 212022
Sample Date:			7/11/2022	7/11/2022	6/21/2022	7/12/2022	7/12/2022	7/11/2022	6/21/2022
Sample Depth (ft bgs):			0.00-0.25	0.00-0.50	0.00-0.20	0.00-0.25	0.00-0.10	0.00-0.20	0.00-0.20
Sample Type:			FD	N	N	N	N	N	N
Latitude:			46.9397225	46.9332086	46.9459087	46.9457576	46.9456862	46.944623	46.943639
Longitude:			-67.8961106	-67.897232	-67.9041948	-67.9051234	-67.906691	-67.9089078	-67.9094543
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	5.5 J	9	2.2 J	6.9 J	7.9 J	5.6 J	4.5 J
Perfluoropentanoic acid (PFPeA)	-	-	15.3	23.9	2.2 J	18.2	16.2	18.8	6.7
Perfluorohexanoic acid (PFHxA)	46000	33800	13.3	24.1	2.7 J	10.3	21.8	11.5	5.7
Perfluoroheptanoic acid (PFHpA)	-	-	8.9	11.7	2.6 J	9.9	10	7.3	4.1
Perfluorooctanoic acid (PFOA)	0.25	36400	12.4	23.2	5.7	16.8	13	8.2	6
Perfluorononanoic acid (PFNA)	260	88	1.3 J	1.8 J	1.3 J	3.4 J	1.4 J	1.3 J	1.2 J
Perfluorodecanoic acid (PFDA)	0.2	71.6	1.8 U	2 U	1.7 U	2 U	2 U	2 U	1.7 U
Perfluoroundecanoic acid (PFUnA)	-	-	1.8 U	2 U	1.7 U	2 U	2 U	2 U	1.7 U
Perfluorododecanoic acid (PFDoA)	-	-	1.8 U	2 U	1.8 UJ	2 U	2 U	2 U	1.7 U
Perfluorotridecanoic acid (PFTrDA)	-	-	1.8 U	2 U	1.8 UJ	2 U	2 U	2 U	1.7 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	1.8 U	2 U	1.8 UJ	10 U	2 U	2 U	8.6 UJ
Perfluorobutanesulfonic acid (PFBS)	30000	160000	2.5 J	4.9	1.7 U	1.9 J	15.9	4	2.6 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	3.4 J	6.1	1.7 U	3.1 J	18.4	4.9	3.2 J
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	49.9	93.9	8.1	35.2	96.7	47.4	29.8
Perfluoroheptanesulfonic acid (PFHpS)	-	-	1.7 J	3.1 J	1.1 J	2.6 J	4.6	3.3 J	2.1 J
Perfluorooctanesulfonic acid (PFOS)	10	12.8	71.5	115	170	191	128	202	142
Perfluorononanesulfonic acid (PFNS)	-	-	1.8 U	2 U	1.7 J	2 U	2 U	2 U	1.7 U
Perfluorodecanesulfonic acid (PFDS)	-	-	1.8 U	2 U	1.7 U	2 U	2 U	2 U	1.7 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	3.6 U	4 U	3.4 U	4 U	4 U	4 U	3.4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	11.2	8.4	1.8 J	4 U	4 U	3.9 J	3.4 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	2.4 J	4 U	4 J	4 U	4 U	4 U	3.4 U
Perfluorooctane sulfonamide (PFOSA)	-	-	2.1 J	10 U	9.1 UJ	2 U	2 U	10 U	0 R
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0 R	0 R	0 R	0 R	0 R	0 R	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	3.6 U	4 U	3.4 U	4 U	4 U	4 U	3.4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	3.6 U	4 U	3.4 U	4 U	4 U	4 U	3.4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	NA	NA	NA	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	NA	NA	NA	NA	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Greenlaw Brook Drainage						
Location ID:			SW/SD11009	SW/SD12007	SW/SD12009		SW/SD12010	SW/SD12011	SW/SD16005
Sample ID:			LORNG_SW11009_06 212022	LORNG_SW12007_07 122022	LORNG_SW12009_07 122022	LORNG_SW12009_07 122022FD	LORNG_SW12010_07 122022	LORNG_SW12011_07 112022	LORNG_SW16005_07 102022
Sample Date:			6/21/2022	7/12/2022	7/12/2022	7/12/2022	7/12/2022	7/11/2022	7/10/2022
Sample Depth (ft bgs):			0.00-0.50	0.00-0.15	0.00-0.25	0.00-0.25	0.00-0.30	0.00-0.20	0.00-0.70
Sample Type:			N	N	N	FD	N	N	N
Latitude:			46.943305	46.94853505	46.9483423	46.9483423	46.9475057	46.9469709	46.92646762
Longitude:			-67.90963	-67.90498423	-67.9054981	-67.9054981	-67.9081077	-67.9091196	-67.88638883
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	4.2 J	32.1	32.5	32.5	35.4	18 U	18 J
Perfluoropentanoic acid (PFPeA)	-	-	6.6	97.8	104	103	118	10.8	8.6 J
Perfluorohexanoic acid (PFHxA)	46000	33800	5.8	142	146	142	148	10.9	6.4 J
Perfluoroheptanoic acid (PFHpA)	-	-	4.2	50	54.1	53.5	64.4	6	6
Perfluorooctanoic acid (PFOA)	0.25	36400	5.5	89.4	83.9	83.7	89.2	7	7.9
Perfluorononanoic acid (PFNA)	260	88	0.92 J	6.6	5.9	5.8	9.1	1.2 J	2.1 J
Perfluorodecanoic acid (PFDA)	0.2	71.6	1.7 U	3.2 J	2.5 J	2.3 J	2.1 J	1.8 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	1.7 U	1.8 U	2.5 J	1.5 J	2 U	1.8 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	1.7 U	1.8 U	0.99 J	1.8 U	2 U	1.8 U	10 UJ
Perfluorotridecanoic acid (PFTrDA)	-	-	1.7 U	1.8 U	1.8 U	1.8 U	2 U	1.8 U	10 UJ
Perfluorotetradecanoic acid (PFTeDA)	-	-	0 R	45 UJ	36 UJ	1.8 UJ	2 U	1.8 U	0 R
Perfluorobutanesulfonic acid (PFBS)	30000	160000	2.8 J	33.7	32.3	32.2	38	3.5 J	10 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	3.8	50.8	51.1	49.5	53.2	4.5	10 U
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	31	398	418	399	437	36.7	29.2
Perfluoroheptanesulfonic acid (PFHpS)	-	-	2 J	76.8	59.7	55.7	52.9	3.3 J	2 U
Perfluorooctanesulfonic acid (PFOS)	10	12.8	125	5590	4010	3770	3610	206	23.5
Perfluorononanesulfonic acid (PFNS)	-	-	1.7 U	30.8	24.5	18.7	13.2	1.8 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	1.7 U	8.6	34.6	38.9	2 U	1.8 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	3.4 U	6.3 J	5.5 J	5.2 J	3.3 J	3.6 U	20 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	3.4 U	224	199	197	153	7.4	4 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	3.4 U	109	64.8	60.9	32.6	3.6 U	4 U
Perfluorooctane sulfonamide (PFOSA)	-	-	0 R	33.2	36.2	37.5	26.2	8.9 U	0 R
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0 R	89 U	71 U	71 UJ	0 R	0 R	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	3.4 U	3.6 U	3.6 U	3.6 U	4 U	3.6 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	3.4 U	3.6 U	3.6 U	3.6 U	4 U	3.6 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	NA	NA	NA	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	NA	NA	NA	NA	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Greenlaw Brook Drainage						
Location ID:			SW/SD16005	SW/SD16006	SW/SD17007	SW/SD21001	SW/SD21003	SW05001	SW19004
Sample ID:			LORNG_SW16005_07 102022FD	LORNG_SW16006_07 102022	LORNG_SW17007_07 092022	LORNG_SW21001_07 112022	LORNG_SW21003_07 102022	LORNG_SW05001_07 102022	LORNG_SW19004_07 072022
Sample Date:			7/10/2022	7/10/2022	7/9/2022	7/11/2022	7/10/2022	7/10/2022	7/7/2022
Sample Depth (ft bgs):			0.00-0.70	0.00-0.15	0.00-0.30	0.00-0.10	0.00-0.25	0.00-0.10	0.00-0.40
Sample Type:			FD	N	N	N	N	N	N
Latitude:			46.92646762	46.9260877	46.9592361	46.93226269	46.93180178	46.9348099	46.9317802
Longitude:			-67.88638883	-67.88661731	-67.8933365	-67.89848358	-67.8984367	-67.9062519	-67.8777228
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	19.4 J	16.6 J	14.5 J	11.4 J	14 J	74	2.9 J
Perfluoropentanoic acid (PFPeA)	-	-	9.6 J	8.5 J	8.9 U	25	27.6	211	2.5 J
Perfluorohexanoic acid (PFHxA)	46000	33800	8.5 J	9.4 J	3.6	23.8	26	156	2 J
Perfluoroheptanoic acid (PFHpA)	-	-	5.9	5.9 J	3.4 J	13	14	183	1.2 J
Perfluorooctanoic acid (PFOA)	0.25	36400	8	8.1	3.6	26	26.9	176	3.1 J
Perfluorononanoic acid (PFNA)	260	88	1.9 J	2 J	1.4 J	2.5 J	2.4 J	55.7	2 U
Perfluorodecanoic acid (PFDA)	0.2	71.6	2 U	2 U	1.8 U	2 U	1.8 U	9	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	2 U	10 U	1.8 U	2 U	8.9 UJ	3.4 J	2 U
Perfluorododecanoic acid (PFDoA)	-	-	2 U	10 UJ	8.9 U	10 U	8.9 UJ	40 U	2 U
Perfluorotridecanoic acid (PFTrDA)	-	-	2 U	10 UJ	8.9 U	10 U	8.9 UJ	40 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	10 UJ	10 UJ	8.9 UJ	2 UJ	0 R	40 UJ	2 UJ
Perfluorobutanesulfonic acid (PFBS)	30000	160000	10 U	10 U	8.9 U	5.6	5.3	31.6	2 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	10 U	10 U	8.9 U	6.7	7.4	60.6	2 U
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	29.8	30	7.8	88.3	97.2	701	9.9
Perfluoroheptanesulfonic acid (PFHpS)	-	-	2 U	2 U	1.8 U	4	3.9	39.2	2 U
Perfluorooctanesulfonic acid (PFOS)	10	12.8	23.9	26.9	9.1	161	161	4390	5.2
Perfluorononanesulfonic acid (PFNS)	-	-	2 U	10 U	1.8 U	2 U	1.8 U	40 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	2 U	10 U	1.8 U	2 U	8.9 U	2 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	20 U	20 U	3.6 U	4 U	3.6 U	4 U	4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	4 U	4 U	3.6 U	8.7	10.1	49.1	4 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	4 U	4 U	3.6 U	4 U	3.6 U	28.6	4 U
Perfluorooctane sulfonamide (PFOSA)	-	-	10 UJ	10 UJ	8.9 U	3.6 J	8.9 UJ	58.8 J	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0 R	0 R	0 R	0 R	0 R	0 R	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	4 U	4 U	3.6 U	4 U	3.6 U	4 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	4 U	4 U	3.6 U	4 U	18 UJ	4 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	NA	NA	NA	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	-	-	NA	NA	NA	NA	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Greenlaw Brook Drainage						
Location ID:			SW21004	SW22001	SW22001	SW22002	SW22003	WBGB_001	WBGB_002
Sample ID:			LORNG_SW21004_07 102022	LORNG_SW22001_07 082022	LORNG_SW22001_07 082022FD	LORNG_SW22002_07 082022	LORNG_SW22003_07 082022	LORNG_WBGB_001_S W_07212022	LORNG_WBGB_002_S W_07112022
Sample Date:			7/10/2022	7/8/2022	7/8/2022	7/8/2022	7/8/2022	7/21/2022	7/11/2022
Sample Depth (ft bgs):			0.00-0.25	0.00-0.20	0.00-0.20	0.00-0.20	0.00-0.20	0.00-0.15	0.00-0.20
Sample Type:			N	N	FD	N	N	N	N
Latitude:			46.93181376	46.9177005	46.9177005	46.9169566	46.9154434	46.9640875	46.9519411
Longitude:			-67.89810833	-67.9269808	-67.9269808	-67.9272782	-67.9280436	-67.9096272	-67.9111259
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	8.5	4.8 J	4.6 J	6.3 J	5.3 J	4.8 U	4 U
Perfluoropentanoic acid (PFPeA)	-	-	20.9	10.5	11.1	9.8	9.5	7.5	2 U
Perfluorohexanoic acid (PFHxA)	46000	33800	18.5	7.6	8.1	7.5	7.6	2.4 U	2 U
Perfluoroheptanoic acid (PFHpA)	-	-	10.3	5.2	4.8	4.8	4.6	2.4 U	1.8 J
Perfluorooctanoic acid (PFOA)	0.25	36400	20	7	6.7	7.7	7.3	2.4 U	1.1 J
Perfluorononanoic acid (PFNA)	260	88	1.9 J	1 J	2 U	1.1 J	2.2 U	2.4 U	2 U
Perfluorodecanoic acid (PFDA)	0.2	71.6	1.8 U	2 U	2 U	2 U	2.2 U	2.4 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	1.8 U	2 U	2 U	2 U	2.2 U	2.4 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	1.8 U	2 U	2 U	2 U	2.2 UJ	2.4 U	2 U
Perfluorotridecanoic acid (PFTrDA)	-	-	1.8 U	2 U	2 U	2 U	2.2 UJ	2.4 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	1.8 U	2 U	2 U	2 UJ	2.2 UJ	2.4 U	2 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	4.3	2 J	1.8 J	2.1 J	1.9 J	2.4 U	2 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	5.1	2.3 J	2.1 J	2 J	2.2 J	2.4 U	2 U
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	73.8	29.9	28.8	31.2	29.2	2.4 U	7.1
Perfluoroheptanesulfonic acid (PFHpS)	-	-	2.8 J	2 U	2 U	2 U	1.2 J	2.4 U	2 U
Perfluorooctanesulfonic acid (PFOS)	10	12.8	119	63.8	60	64.7	65.5	2.4 U	3.7 J
Perfluorononanesulfonic acid (PFNS)	-	-	1.8 U	2 U	2 U	2 U	2.2 U	2.4 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	1.8 U	2 U	2 U	2 U	2.2 U	2.4 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	3.6 U	4 U	4 U	4 U	4.4 U	4.8 U	4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	4.8 J	4 U	4 U	4 U	4.4 U	4.8 U	4 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	3.6 U	4 U	4 U	4 U	4.4 U	4.8 U	4 U
Perfluorooctane sulfonamide (PFOSA)	-	-	2.8 J	1.2 J	2 UJ	2 U	2.2 U	2.4 U	2 UJ
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0 R	20 UJ	0 R	4 UJ	0 R	4.8 U	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	3.6 U	4 U	4 U	4 U	4.4 U	4.8 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	3.6 U	4 U	4 U	4 U	4.4 U	4.8 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	NA	NA	NA	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	NA	NA	NA	NA	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Greenlaw Brook Drainage				Reference location			
Location ID:			WBGB_003	WBGB_004	WBGB_005	WLVB_001	SWI_006	SWI_007	CS01	CS01
Sample ID:			LORNG_WBGB_003_S W_07112022	LORNG_WBGB_004_S W_07102022	LORNG_WBGB_005_S W_07102022	LORNG_WLVB_001_S W_07112022	LORNG_SWI_006_SW _08052022	LORNG_SWI_007_SW _08062022	F-SWSC01_20240523	F-GWCS01_20240911
Sample Date:			7/11/2022	7/10/2022	7/10/2022	7/11/2022	8/5/2022	8/6/2022	5/23/2024	9/11/2024
Sample Depth (ft bgs):			0.00-0.20	0.00-0.30	0.00-0.20	0.00-0.25	0.00-0.00	0.00-0.00	0.00-0.66	0.00-0.50
Sample Type:			N	N	N	N	N	N	N	N
Latitude:			46.9500881	46.939541	46.936344	46.9665305	46.8392841	46.8697139	46.90135736	46.90135736
Longitude:			-67.9099322	-67.9133821	-67.918276	-67.9240072	-67.9373707	-67.7939409	-68.10742395	-68.10742395
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	2.1 J	4.1 J	7.4 J	3.6 U	2.9 J	1.9 J	3 J	4 U
Perfluoropentanoic acid (PFPeA)	-	-	1.8 U	10.8	10.4	1.8 U	1.9 U	1.2 J	1.1 J	2 U
Perfluorohexanoic acid (PFHxA)	46000	33800	1.2 J	9.1	10.7	1.8 U	1.9 U	1.6 J	1.9 U	2 U
Perfluoroheptanoic acid (PFHpA)	-	-	2.2 J	5	6	1.8 U	1.9 U	1.1 J	1.9 U	0.88 J
Perfluorooctanoic acid (PFOA)	0.25	36400	1.4 J	6.6	8	1.8 U	1.1 J	2.2 J	1.5 J	0.72 J
Perfluorononanoic acid (PFNA)	260	88	1.8 U	2 U	1.3 J	1.8 U	1.9 U	1.9 U	1.9 U	2 U
Perfluorodecanoic acid (PFDA)	0.2	71.6	1.8 U	2 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	1.8 U	2 U	8.9 UJ	1.8 U	1.9 U	1.9 U	1.9 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	1.8 U	2 U	8.9 UJ	1.8 U	1.9 U	1.9 U	1.9 U	2 U
Perfluorotridecanoic acid (PFTrDA)	-	-	1.8 U	2 U	8.9 UJ	1.8 U	1.9 U	1.9 U	1.9 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	1.8 U	2 U	8.9 UJ	8.9 U	9.3 U	1.9 U	1.9 U	2 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	1.8 U	3.2 J	4.2	1.8 U	1.9 U	1.9 U	0.48 J	2 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	1.8 U	4.1	5.6	1.8 U	1.9 U	1.9 U	3.8 U	4 U
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	7	36.3	42.1	1.8 U	1.9 U	6	1.9 U	2 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	1.8 U	2.3 J	3.6	1.8 U	1.9 U	1.9 U	1.9 U	2 U
Perfluorooctanesulfonic acid (PFOS)	10	12.8	3.6	126	187	1.8 U	2.2 J	10.1	2.9 J	0.96 J
Perfluorononanesulfonic acid (PFNS)	-	-	1.8 U	2 U	8.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	1.8 U	2 U	8.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	NA	3.8 U	4 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	3.5 U	4 U	3.6 U	3.6 U	3.7 U	3.7 U	7.5 U	8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	3.5 U	4 U	3.6 U	3.6 U	3.7 U	3.7 U	7.5 U	8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	3.5 U	4 U	3.6 U	3.6 U	3.7 U	3.7 U	7.5 U	8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	1.8 UJ	2 U	8.9 UJ	1.8 U	1.9 U	9.3 UJ	1.9 U	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0 R	4 UJ	0 R	0 R	0 R	0 R	3.8 UJ	4 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	NA	3.8 U	4 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	3.5 U	4 U	3.6 U	3.6 U	3.7 U	3.7 U	3.8 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	3.5 U	4 U	18 U	3.6 U	3.7 U	3.7 U	3.8 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	NA	19 UJ	20 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	NA	19 UJ	20 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	NA	NA	NA	NA	NA	NA	1.9 U	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	NA	3.8 U	4 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	NA	3.8 U	4 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	NA	NA	NA	NA	NA	NA	3.8 U	4 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	NA	NA	NA	NA	NA	NA	3.8 U	4 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	NA	1.9 U	2 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	NA	1.9 U	2 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	NA	3.8 U	4 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	9.4 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	19 U	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	19 U	20 U

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.

Table 4-3
Surface Water PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Reference location				
Location ID:			E-A-SW01CS	E-A-SW01PB	LT-16B		LT-17
Sample ID:			E-A-SW01CS_20240819	E-A-SW01PB_20240819	LORNG_LT16_SW_07 072022	LORNG_LT16_SW_07 072022FD	LORNG_LT17_SW_07 072022
Sample Date:			8/19/2024	8/19/2024	7/7/2022	7/7/2022	7/7/2022
Sample Depth (ft bgs):			0.00-0.50	0.00-0.25	0.00-0.50	0.00-0.25	0.00-0.50
Sample Type:			N	N	N	FD	N
Latitude:			46.90122628	46.82612484	46.827196	46.827196	46.90072706
Longitude:			-68.10770273	-68.00862903	-68.007168	-68.007168	-68.10769109
Analyte	Swimming SL (ng/L)	Ecological SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	4 U	4 U	2.3 J	2.4 J	3.6 U
Perfluoropentanoic acid (PFPeA)	-	-	1.8 J	2.2 J	4.5	1.7 J	1.8 U
Perfluorohexanoic acid (PFHxA)	46000	33800	2 U	2 U	1.8 U	1.8 U	1.8 U
Perfluoroheptanoic acid (PFHpA)	-	-	2 U	2 U	1.2 J	1 J	1.8 U
Perfluorooctanoic acid (PFOA)	0.25	36400	1.1 J	0.99 U	1.8 U	1.8 U	1.8 U
Perfluorononanoic acid (PFNA)	260	88	2 U	2 U	1.8 U	1.8 U	1.8 U
Perfluorodecanoic acid (PFDA)	0.2	71.6	2 U	2 U	1.8 U	1.8 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	2 U	2 U	1.8 U	1.8 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	2 U	2 U	1.8 U	1.8 U	1.8 U
Perfluorotridecanoic acid (PFTrDA)	-	-	2 U	2 U	1.8 U	1.8 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	2 U	2 U	0 R	1.8 UJ	1.8 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	2 U	2 U	1.8 U	1.8 U	1.8 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	4 U	4 U	1.8 U	1.8 U	1.8 U
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	2 U	2 U	1.8 U	1.8 U	1.8 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	2 U	2 U	1.8 U	1.8 U	1.8 U
Perfluorooctanesulfonic acid (PFOS)	10	12.8	2 U	0.6 J	1.8 U	1.8 U	1.8 U
Perfluorononanesulfonic acid (PFNS)	-	-	2 U	2 U	1.8 U	1.8 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	-	-	2 U	2 U	1.8 U	1.8 U	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	4 U	4 U	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	8 U	7.9 U	3.6 U	3.6 U	3.6 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	8 U	7.9 U	3.6 U	3.6 U	3.6 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	8 U	7.9 U	3.6 U	3.6 U	3.6 U
Perfluorooctane sulfonamide (PFOSA)	-	-	2 U	2 U	1.8 UJ	1.8 UJ	8.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	4 U	4 U	0 R	0 R	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	4 U	4 U	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	4 U	4 U	3.6 U	3.6 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	4 U	4 U	3.6 U	3.6 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	20 U	20 U	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	20 U	20 U	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	-	2 U	2 U	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	4 U	4 U	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	4 U	4 U	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	4 U	4 U	NA	NA	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	4 U	4 U	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	2 U	2 U	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	2 U	2 U	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	4 U	4 U	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	10 U	9.9 U	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	20 U	20 U	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	20 U	20 U	NA	NA	NA

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.