

Table 4-4
Sediment 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	BB_SED001	BB_SED002	E-A-SD01A	E-A-SD01B	E-A-SD01C	E-A-SD01D
Sample ID:			LORNG_AA20SD01_06 182022	LORNG_AA20SD02_06 182022	LORNG_AA20SD02_06 182022FD	LORNG_BB_001_SD_0 7092022	LORNG_BB_SED001_F P_07092022	LORNG_BB_SED002_F P_07092022	E-A-SD01A_00- 0.5_20240820	E-A-SD01B_00- 0.5_20240815	E-A-SD01C_00- 0.5_20240816	E-A-SD01D_00- 0.2_20241024
Sample Date:			6/18/2022	6/18/2022	6/18/2022	7/9/2022	7/9/2022	7/9/2022	8/20/2024	8/15/2024	8/16/2024	10/24/2024
Sample Depth (ft bgs):			0.00-1.00	0.00-1.00	0.00-1.00	0.00-0.60	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	FD	N	N	N	N	N	N	N
Latitude:			46.96944981	46.96905601	46.96905601	46.97297	46.9622661	46.9503888	46.96944521	46.96626997	46.96777821	46.95581272
Longitude:			-67.89050171	-67.89025743	-67.89025743	-67.87991	-67.8677606	-67.8561513	-67.89033602	-67.87658998	-67.87355953	-67.88377439
Analyte	Human Health Wading Sediment SL (mg/kg)	Lowest Ecological Sediment Benchmark (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Perfluorobutanoic acid (PFBA)	37	1.6	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0025 U	0.0047 U	0.0016 U	0.0042 U
Perfluoropentanoic acid (PFPeA)	-	-	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0012 U	0.0023 U	0.0008 U	0.0021 U
Perfluorohexanoic acid (PFHxA)	15	1.8	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0012 U	0.0023 U	0.0008 U	0.0021 U
Perfluoroheptanoic acid (PFHpA)	-	-	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0012 U	0.0023 U	0.0008 U	0.0021 U
Perfluorooctanoic acid (PFOA)	0.000086	0.006	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0012 U	0.0023 U	0.0008 U	0.0021 U
Perfluorononanoic acid (PFNA)	0.089	0.01	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0012 U	0.0023 U	0.0008 U	0.0021 U
Perfluorodecanoic acid (PFDA)	0.000059	-	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0012 U	0.0023 U	0.0008 U	0.0021 U
Perfluoroundecanoic acid (PFUnA)	-	-	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0012 U	0.0023 U	0.0008 U	0.0021 U
Perfluorododecanoic acid (PFDoA)	-	-	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0012 U	0.0023 U	0.0008 U	0.0021 U
Perfluorotridecanoic acid (PFTrDA)	-	-	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0012 U	0.0023 U	0.0008 U	0.0021 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0012 U	0.0023 U	0.0008 U	0.0021 U
Perfluorobutanesulfonic acid (PFBS)	8.9	0.73	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0012 U	0.0023 U	0.0008 U	0.0021 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0012 U	0.0023 U	0.0008 U	0.0021 U
Perfluorohexanesulfonic acid (PFHxS)	0.59	-	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.00067 J	0.0011 J	0.00058 J	0.0021 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0012 U	0.0023 U	0.0008 U	0.0021 U
Perfluorooctanesulfonic acid (PFOS)	0.003	0.0014	0.0014 J	0.0015 J	0.0011 J	0.0015 U	0.0013 U	0.0055	0.0184	0.0083	0.0037	0.0028 J
Perfluorononanesulfonic acid (PFNS)	-	-	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.00059 J	0.0023 U	0.0008 U	0.0021 U
Perfluorodecanesulfonic acid (PFDS)	-	-	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0017 J	0.0023 U	0.0008 U	0.0021 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	NA	0.00086 J	0.0023 U	0.0008 U	0.0021 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0031 U	0.0058 U	0.002 U	0.0053 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0031 U	0.0058 U	0.002 U	0.0053 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0031 U	0.0058 U	0.002 U	0.0053 U
Perfluorooctane sulfonamide (PFOSA)	-	-	0.0057 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0012 U	0.0023 U	0.0008 U	0.0021 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0.0057 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0012 U	0.0023 U	0.0008 U	0.0021 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	NA	0.0012 U	0.0023 U	0.0008 U	0.0021 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.01 U	0.0012 U	0.012 U	0.0008 U	0.0021 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	0.0011 U	0.0013 U	0.0013 U	0.0015 U	0.0013 U	0.002 U	0.0012 U	0.0023 U	0.0008 U	0.0021 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	NA	0.0061 U	0.012 U	0.004 U	0.011 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	NA	0.0061 U	0.012 U	0.004 U	0.011 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	-	NA	NA	NA	NA	NA	NA	0.0025 U	0.0047 U	0.0016 U	0.0042 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	NA	0.0025 U	0.0047 U	0.0016 U	0.0042 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	NA	0.0012 U	0.0023 U	0.0008 U	0.0021 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	NA	0.0012 U	0.0023 U	0.0008 U	0.0021 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	NA	0.0025 U	0.0047 U	0.0016 U	0.0042 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	-	-	NA	NA	NA	NA	NA	NA	0.0031 U	0.0058 U	0.002 U	0.0053 U
11-Chlororheicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUds)	-	-	NA	NA	NA	NA	NA	NA	0.0031 U	0.0058 U	0.002 U	0.0053 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	NA	0.0012 U	0.0023 U	0.0008 U	0.0021 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	0.0031 U	0.0058 U	0.002 U	0.0053 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	0.015 U	0.029 U	0.01 U	0.027 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	0.015 U	0.029 U	0.01 U	0.027 U

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

Table 4-4
Sediment 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-SD01E	E-A-SD01F	E-A-SD01G	E-A-SD01H	E-A-SD02A	E-A-SD02D	E-A-SD02E	LORNG-LT-13A	LORNG-LT-14A	LS_001
Sample ID:			E-A-SD01E_00-01_20241029	E-A-SD01F_00-0.25_20240816	E-A-SD01G_00-0.2_20240816	E-A-SD01H_00-0.2_20241024	E-A-SD02A_00-0.5_20240820	E-A-SD02D_00-0.5_20241029	E-A-SD02E_00-0.5_20241029	LORNG_LT13A_SD_07082022	LORNG_LT14A_SD_07072022	LORNG_LS_001_SD_07102022
Sample Date:			10/29/2024	8/16/2024	8/16/2024	10/24/2024	8/20/2024	10/29/2024	10/29/2024	7/8/2022	7/7/2022	7/10/2022
Sample Depth (ft bgs):			0.00-1.00	0.00-0.25	0.00-0.20	0.00-0.20	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.60	0.00-0.50	0.00-0.90
Sample Type:			N	N	N	N	N	N	N	N	N	N
Latitude:			46.95065906	46.94727725	46.9468147	46.92972107	46.96902701	46.95351724	46.95129738	46.950583	46.92179953	46.93726
Longitude:			-67.85624837	-67.85077096	-67.84601918	-67.8390252	-67.89022443	-67.88044205	-67.85877769	-67.85382653	-67.83228886	-67.86408
Analyte	Human Health Wading Sediment SL (mg/kg)	Lowest Ecological Sediment Benchmark (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Perfluorobutanoic acid (PFBA)	37	1.6	0.0017 U	0.00099 U	0.0011 U	0.0011 U	0.0017 U	0.0028 U	0.0015 U	0.0023 U	0.0013 U	0.0021 U
Perfluoropentanoic acid (PFPeA)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
Perfluorohexanoic acid (PFHxA)	15	1.8	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
Perfluoroheptanoic acid (PFHpA)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
Perfluorooctanoic acid (PFOA)	0.000086	0.006	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
Perfluorononanoic acid (PFNA)	0.089	0.01	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
Perfluorodecanoic acid (PFDA)	0.000059	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
Perfluoroundecanoic acid (PFUnA)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
Perfluorododecanoic acid (PFDoA)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
Perfluorotridecanoic acid (PFTrDA)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
Perfluorobutanesulfonic acid (PFBS)	8.9	0.73	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
Perfluorohexanesulfonic acid (PFHxS)	0.59	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
Perfluorooctanesulfonic acid (PFOS)	0.003	0.0014	0.0021	0.00013 J	0.00083 J	0.00089 J	0.0062	0.0013 J	0.00063 J	0.0029 J	0.0013 U	0.0021 U
Perfluorononanesulfonic acid (PFNS)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
Perfluorodecanesulfonic acid (PFDS)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00048 J	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	0.0021 U	0.0012 U	0.0014 U	0.0014 U	0.0022 U	0.0034 U	0.0019 U	0.0023 U	0.0013 U	0.0021 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	0.0021 U	0.0012 U	0.0014 U	0.0014 U	0.0022 U	0.0034 U	0.0019 U	0.0023 U	0.0013 U	0.0021 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	0.0021 U	0.0012 U	0.0014 U	0.0014 U	0.0022 U	0.0034 U	0.0019 U	0.0023 U	0.0013 U	0.0021 U
Perfluorooctane sulfonamide (PFOSA)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	0.0023 U	0.0013 U	0.0021 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	0.0042 U	0.0025 U	0.0027 U	0.0028 U	0.0044 U	0.0069 U	0.0038 U	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	0.0042 U	0.0025 U	0.0027 U	0.0028 U	0.0044 U	0.0069 U	0.0038 U	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	-	0.0017 U	0.00099 U	0.0011 U	0.0011 U	0.0017 U	0.0028 U	0.0015 U	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	0.0017 U	0.00099 U	0.0011 U	0.0011 U	0.0017 U	0.0028 U	0.0015 U	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	0.0017 U	0.00099 U	0.0011 U	0.0011 U	0.0017 U	0.0028 U	0.0015 U	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	-	-	0.0021 U	0.0012 U	0.0014 U	0.0014 U	0.0022 U	0.0034 U	0.0019 U	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	-	-	0.0021 U	0.0012 U	0.0014 U	0.0014 U	0.0022 U	0.0034 U	0.0019 U	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	0.00084 U	0.00049 U	0.00054 U	0.00055 U	0.00087 U	0.0014 U	0.00076 U	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	0.0021 U	0.0012 U	0.0014 U	0.0014 U	0.0022 U	0.0034 U	0.0019 U	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	0.011 U	0.0062 U	0.0068 U	0.0069 U	0.011 U	0.017 U	0.0095 U	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	0.011 U	0.0062 U	0.0068 U	0.0069 U	0.011 U	0.017 U	0.0095 U	NA	NA	NA

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

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Sediment PFAS Analytical Results

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Former Loring Air Force Base
Limestone, ME

Drainage Basin:			Butterfield Brook Drainage									
Location ID:			LS_002	LS_003	LS_SED001	LS_SED002	LT-13B	LT-14B	LT-15B	LT18	LT19	NP_001
Sample ID:			LORNG_LS_002_SD_07202022	LORNG_LS_003_SD_07072022	LORNG_LS_SED001_F_P_07102022	LORNG_LS_SED002_F_P_07102022	LORNG_LT13_SD_07082022	LORNG_LT14_SD_07082022	LORNG_LT15_SD_07082022	LORNG_LT18_SD_07082022	LORNG_LT19_SD_07072022	LORNG_NP_001_SD_07202022
Sample Date:			7/20/2022	7/7/2022	7/10/2022	7/10/2022	7/8/2022	7/8/2022	7/8/2022	7/8/2022	7/7/2022	7/20/2022
Sample Depth (ft bgs):			0.00-0.25	0.00-0.60	0.00-1.00	0.00-1.00	0.00-0.40	0.00-0.60	0.00-0.30	0.00-0.40	0.00-0.30	0.00-0.50
Sample Type:			N	N	N	N	N	N	N	N	N	N
Latitude:			46.9203879	46.9271048	46.9367013	46.93235	46.962815	46.947203	46.966682	46.93662949	46.92838939	46.9285235
Longitude:			-67.859899	-67.8395552	-67.8427481	-67.8413439	-67.86653	-67.851036	-67.871539	-67.84287733	-67.83855118	-67.8480246
Analyte	Human Health Wading Sediment SL (mg/kg)	Lowest Ecological Sediment Benchmark (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Perfluorobutanoic acid (PFBA)	37	1.6	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluoropentanoic acid (PFPeA)	-	-	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluorohexanoic acid (PFHxA)	15	1.8	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluoroheptanoic acid (PFHpA)	-	-	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluorooctanoic acid (PFOA)	0.000086	0.006	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluorononanoic acid (PFNA)	0.089	0.01	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluorodecanoic acid (PFDA)	0.000059	-	0.0098 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluoroundecanoic acid (PFUnA)	-	-	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluorododecanoic acid (PFDoA)	-	-	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluorotridecanoic acid (PFTrDA)	-	-	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluorobutanesulfonic acid (PFBS)	8.9	0.73	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluorohexanesulfonic acid (PFHxS)	0.59	-	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluorooctanesulfonic acid (PFOS)	0.003	0.0014	0.002 U	0.0013 U	0.0032 J	0.0038	0.0041	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluorononanesulfonic acid (PFNS)	-	-	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluorodecanesulfonic acid (PFDS)	-	-	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	0.0098 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
Perfluorooctane sulfonamide (PFOSA)	-	-	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 UJ	0.0012 U	0.0014 U	0.0015 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0.0098 UJ	0.0013 U	0.0016 U	0.0016 U	0.0017 UJ	0.0013 U	0.0011 UJ	0.0012 U	0.0014 U	0.0015 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	0.002 U	0.0013 U	0.0016 U	0.0016 U	0.0017 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0015 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUds)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

Table 4-4
Sediment 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:			SW/SD17006	SW/SD18002	SW/SD18004	SW/SD18005	WLB_001	A12	A15		E-A-SD01I	E-A-SD01J
Sample ID:			LORNG_SD17006_07092022	LORNG_SD18002_06182022	LORNG_SD18004_06192022	LORNG_SD18005_06192022	LORNG_WLB_001_SD_07092022	F-HSA12_00-01_20240910	F-HSA15_00-01_20240911	F-HSA15_00-01_20240911FD	E-A-SD01I_00-0.2_20241022	E-A-SD01J_00-01_20240911
Sample Date:			7/9/2022	6/18/2022	6/19/2022	6/19/2022	7/9/2022	9/10/2024	9/11/2024	9/11/2024	10/22/2024	9/11/2024
Sample Depth (ft bgs):			0.00-0.66	0.00-1.00	0.00-1.00	0.00-1.00	0.00-0.50	0.00-1.00	0.00-1.00	0.00-1.00	0.00-0.20	0.00-1.00
Sample Type:			N	N	N	N	N	N	N	FD	N	N
Latitude:			46.9620419	46.9668844	46.9574128	46.9513172	46.9813081	46.92869365	46.92628903	46.92628903	46.95897089	46.95930774
Longitude:			-67.8872278	-67.8883784	-67.885533	-67.8780505	-67.8489166	-67.87735955	-67.88352056	-67.88352056	-67.90401581	-67.9077132
Analyte	Human Health Wading Sediment SL (mg/kg)	Lowest Ecological Sediment Benchmark (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Perfluorobutanoic acid (PFBA)	37	1.6	0.0013 U	0.0014 U	0.0085 U	0.0053 U	0.0019 U	0.019 U	0.0014 U	0.0014 U	0.0026 U	0.0025 U
Perfluoropentanoic acid (PFPeA)	-	-	0.0013 U	0.0014 U	0.0085 UJ	0.0053 U	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
Perfluorohexanoic acid (PFHxA)	15	1.8	0.0013 U	0.0014 U	0.0085 UJ	0.0053 U	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
Perfluoroheptanoic acid (PFHpA)	-	-	0.0013 U	0.0014 U	0.0085 UJ	0.0053 U	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
Perfluorooctanoic acid (PFOA)	0.000086	0.006	0.0013 U	0.0014 U	0.0085 UJ	0.0053 U	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.00036 J
Perfluorononanoic acid (PFNA)	0.089	0.01	0.0013 U	0.0014 U	0.0085 UJ	0.0053 U	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
Perfluorodecanoic acid (PFDA)	0.000059	-	0.0013 U	0.0071 U	0.0085 UJ	0.0053 UJ	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
Perfluoroundecanoic acid (PFUnA)	-	-	0.0013 U	0.0014 U	0.0085 UJ	0.0053 UJ	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
Perfluorododecanoic acid (PFDoA)	-	-	0.0013 U	0.0014 U	0.0085 UJ	0.0053 UJ	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
Perfluorotridecanoic acid (PFTrDA)	-	-	0.0013 U	0.0014 U	0.0085 UJ	0.0053 UJ	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.0013 U	0.0014 U	0.0085 U	0.0053 U	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
Perfluorobutanesulfonic acid (PFBS)	8.9	0.73	0.0013 U	0.0014 U	0.0085 UJ	0.0053 U	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	0.0013 U	0.0014 U	0.0085 UJ	0.0053 U	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
Perfluorohexanesulfonic acid (PFHxS)	0.59	-	0.0013 U	0.0014 U	0.0085 UJ	0.0053 U	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.0013 U	0.0014 U	0.0085 UJ	0.0053 U	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
Perfluorooctanesulfonic acid (PFOS)	0.003	0.0014	0.0013 U	0.0014 J	0.0052 J	0.0053 U	0.0019 U	0.0093 U	0.001 J	0.00087 J	0.00091 J	0.0024 J
Perfluorononanesulfonic acid (PFNS)	-	-	0.0013 U	0.0014 U	0.0085 U	0.0053 U	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
Perfluorodecanesulfonic acid (PFDS)	-	-	0.0013 U	0.0014 U	0.0085 UJ	0.0053 UJ	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	0.0013 U	0.0014 U	0.0085 UJ	0.0053 U	0.0019 U	0.023 U	0.0018 U	0.0018 U	0.0032 U	0.0032 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	0.0013 U	0.0014 U	0.0085 U	0.0053 U	0.0019 U	0.023 U	0.0018 U	0.0018 U	0.0032 U	0.0032 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	0.0013 U	0.0014 U	0.0085 U	0.0053 U	0.0019 U	0.023 U	0.0018 U	0.0018 U	0.0032 U	0.0032 U
Perfluorooctane sulfonamide (PFOSA)	-	-	0.0013 U	0.0014 U	0.0085 UJ	0.0053 UJ	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0.0013 U	0.0071 U	0.0085 UJ	0 R	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	0.0013 U	0.0014 U	0.0085 UJ	0.0053 UJ	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	0.0013 U	0.0014 U	0.0085 U	0.0053 U	0.0019 U	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	0.047 U	0.0035 U	0.0036 U	0.0064 U	0.0063 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	0.047 U	0.0035 U	0.0036 U	0.0064 U	0.0063 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	-	NA	NA	NA	NA	NA	0.019 U	0.0014 U	0.0014 U	0.0026 U	0.0025 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	0.019 U	0.0014 U	0.0014 U	0.0026 U	0.0025 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	0.019 U	0.0014 U	0.0014 U	0.0026 U	0.0025 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	-	-	NA	NA	NA	NA	NA	0.023 U	0.0018 U	0.0018 U	0.0032 U	0.0032 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	-	-	NA	NA	NA	NA	NA	0.023 U	0.0018 U	0.0018 U	0.0032 U	0.0032 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	0.0093 U	0.00071 U	0.00072 U	0.0013 U	0.0013 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	0.023 U	0.0018 U	0.0018 U	0.0032 U	0.0032 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	0.12 U	0.0089 U	0.009 U	0.016 U	0.016 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	0.12 U	0.0089 U	0.009 U	0.016 U	0.016 U

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

Table 4-4
Sediment 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-SD01K		E-A-SD01L	E-A-SD01M		E-A-SD01N	E-A-SD01O	E-A-SD01P	E-A-SD01Q	E-A-SD01R
Sample ID:			E-A-SD01K_00-01_20240912	E-A-SD01K_00-01_20240912FD	E-A-SD01L_00-01_20240911	E-A-SD01M_00-01_20240910	E-A-SD01M_00-01_20240910FD	E-A-SD01N_00-0.2_20241024	E-A-SD01O_00-0.5_20240813	E-A-SD01P_00-01_20240813	E-A-SD01Q_00-0.5_20240814	E-A-SD01R_00-0.5_20240814
Sample Date:			9/12/2024	9/12/2024	9/11/2024	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):			0.00-1.00	0.00-1.00	0.00-1.00	0.00-1.00	0.00-1.00	0.00-0.20	0.00-0.50	0.00-1.00	0.00-0.50	0.00-0.50
Sample Type:			N	FD	N	N	FD	N	N	N	N	N
Latitude:			46.94799041	46.94799041	46.94550857	46.94594046	46.94594046	46.9394991	46.93013456	46.92950709	46.92680714	46.92583092
Longitude:			-67.90746737	-67.90746737	-67.9076427	-67.90410081	-67.90410081	-67.91356567	-67.92195613	-67.92314068	-67.92374387	-67.92358768
Analyte	Human Health Wading Sediment SL (mg/kg)	Lowest Ecological Sediment Benchmark (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Perfluorobutanoic acid (PFBA)	37	1.6	0.0015 U	0.0018 U	0.0014 U	0.001 U	0.001 U	0.003 U	0.0046 U	0.00097 U	0.0023 U	0.0019 U
Perfluoropentanoic acid (PFPeA)	-	-	0.00041 J	0.00031 J	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
Perfluorohexanoic acid (PFHxA)	15	1.8	0.00062 J	0.00041 J	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
Perfluoroheptanoic acid (PFHpA)	-	-	0.00032 J	0.00026 J	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
Perfluorooctanoic acid (PFOA)	0.000086	0.006	0.00066 J	0.00073 J	0.00031 J	0.00051 U	0.00042 J	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
Perfluorononanoic acid (PFNA)	0.089	0.01	0.00029 J	0.00091 U	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
Perfluorodecanoic acid (PFDA)	0.000059	-	0.00076 U	0.00091 U	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
Perfluoroundecanoic acid (PFUnA)	-	-	0.00076 U	0.00091 U	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
Perfluorododecanoic acid (PFDoA)	-	-	0.00076 U	0.00091 U	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
Perfluorotridecanoic acid (PFTrDA)	-	-	0.00076 U	0.00091 U	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.00076 U	0.00091 U	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
Perfluorobutanesulfonic acid (PFBS)	8.9	0.73	0.00076 U	0.00091 U	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	0.00076 U	0.00091 U	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
Perfluorohexanesulfonic acid (PFHxS)	0.59	-	0.0021	0.0017 J	0.00044 J	0.00028 J	0.0004 J	0.00085 J	0.0012 J	0.00049 U	0.0012 U	0.00094 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.00058 J	0.00065 J	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
Perfluorooctanesulfonic acid (PFOS)	0.003	0.0014	0.315	0.279	0.0167	0.0118	0.012	0.0127	0.0259	0.00055 J	0.004	0.0019 J
Perfluorononanesulfonic acid (PFNS)	-	-	0.0023	0.0025 J	0.00034 J	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
Perfluorodecanesulfonic acid (PFDS)	-	-	0.0014 J	0.0017 J	0.00062 J	0.00022 J	0.00026 J	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	0.0012 J	0.0012 J	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	0.0019 U	0.0023 U	0.0018 U	0.0013 U	0.0013 U	0.0038 U	0.0057 U	0.0012 U	0.0029 U	0.0024 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	0.0019 U	0.0023 U	0.0018 U	0.0013 U	0.0013 U	0.0038 U	0.0057 U	0.0012 U	0.0029 U	0.0024 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	0.0033 J	0.0029 J	0.0018 U	0.0013 U	0.0013 U	0.0038 U	0.0057 U	0.0012 U	0.0029 U	0.0024 U
Perfluorooctane sulfonamide (PFOSA)	-	-	0.0064	0.0075	0.00029 J	0.00041 J	0.00046 J	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0.00076 U	0.00091 U	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	0.00076 U	0.00091 U	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	0.00076 U	0.00091 U	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	0.00076 U	0.00091 U	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	0.0038 U	0.0045 U	0.0036 U	0.0026 U	0.0026 U	0.0076 U	0.011 U	0.0024 U	0.0059 U	0.0047 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	0.0038 U	0.0045 U	0.0036 U	0.0026 U	0.0026 U	0.0076 U	0.011 U	0.0024 U	0.0059 U	0.0047 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	-	0.0015 U	0.0018 U	0.0014 U	0.001 U	0.001 U	0.003 U	0.0046 U	0.00097 U	0.0023 U	0.0019 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	0.0015 U	0.0018 U	0.0014 U	0.001 U	0.001 U	0.003 U	0.0046 U	0.00097 U	0.0023 U	0.0019 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	0.00076 U	0.00091 U	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	0.00076 U	0.00091 U	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	0.0015 U	0.0018 U	0.0014 U	0.001 U	0.001 U	0.003 U	0.0046 U	0.00097 U	0.0023 U	0.0019 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	-	-	0.0019 U	0.0023 U	0.0018 U	0.0013 U	0.0013 U	0.0038 U	0.0057 U	0.0012 U	0.0029 U	0.0024 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	-	-	0.0019 U	0.0023 U	0.0018 U	0.0013 U	0.0013 U	0.0038 U	0.0057 U	0.0012 U	0.0029 U	0.0024 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	0.00076 U	0.00091 U	0.00072 U	0.00051 U	0.00051 U	0.0015 U	0.0023 U	0.00049 U	0.0012 U	0.00094 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	0.0019 U	0.0023 U	0.0018 U	0.0013 U	0.0013 U	0.0038 U	0.0057 U	0.0012 U	0.0029 U	0.0024 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	0.0095 U	0.011 U	0.0089 U	0.0064 U	0.0064 U	0.019 U	0.029 U	0.0061 U	0.015 U	0.012 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	0.0095 U	0.011 U	0.0089 U	0.0064 U	0.0064 U	0.019 U	0.029 U	0.0061 U	0.015 U	0.012 U

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

Table 4-4
Sediment 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-SD01S	E-A-SD01T		E-A-SD01U	E-A-SD01V	E-A-SD01W		E-A-SD01X		E-A-SD01Y
Sample ID:			E-A-SD01S_00-0.2_20241023	E-A-SD01T_00-01_20240910	E-A-SD01T_00-01_20240910FD	E-A-SD01U_00-0.5_20241003	E-A-SD01V_00-01_20240919	E-A-SD01W_00-0.5_20241003	E-A-SD01W_00-0.5_20241003FD	E-A-SD01X_00-01_20240912	E-A-SD01X_00-01_20240912FD	E-A-SD01Y_00-01_20240820
Sample Date:			10/23/2024	9/10/2024	9/10/2024	10/3/2024	9/19/2024	10/3/2024	10/3/2024	9/12/2024	9/12/2024	8/20/2024
Sample Depth (ft bgs):			0.00-0.20	0.00-1.00	0.00-1.00	0.00-0.50	0.00-1.00	0.00-0.50	0.00-0.50	0.00-1.00	0.00-1.00	0.00-1.00
Sample Type:			N	N	FD	N	N	N	FD	N	FD	N
Latitude:			46.92883093	46.92659041	46.92659041	46.92689424	46.93469823	46.92821404	46.92821404	46.9230918	46.9230918	46.92125487
Longitude:			-67.87735844	-67.88583071	-67.88583071	-67.89842154	-67.89681642	-67.89920775	-67.89920775	-67.90410544	-67.90410544	-67.91659387
Analyte	Human Health Wading Sediment SL (mg/kg)	Lowest Ecological Sediment Benchmark (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Perfluorobutanoic acid (PFBA)	37	1.6	0.0016 U	0.0014 U	0.0013 U	0.00055 U	0.00092 U	0.00057 U	0.0006 U	0.0017 U	0.0016 U	0.00099 U
Perfluoropentanoic acid (PFPeA)	-	-	0.0008 U	0.0007 U	0.00066 U	0.00084 J	0.00046 U	0.00016 U	0.00016 U	0.00086 U	0.00079 U	0.0005 U
Perfluorohexanoic acid (PFHxA)	15	1.8	0.0008 U	0.0007 U	0.00066 U	0.000093 J	0.00046 U	0.0001 U	0.00011 U	0.00086 U	0.00079 U	0.0005 U
Perfluoroheptanoic acid (PFHpA)	-	-	0.0008 U	0.0007 U	0.00066 U	0.00014 U	0.00046 U	0.00014 U	0.00015 U	0.00086 U	0.00079 U	0.0005 U
Perfluorooctanoic acid (PFOA)	0.000086	0.006	0.0008 U	0.0007 U	0.00019 J	0.00013 J	0.00046 U	0.00014 U	0.00015 U	0.00086 U	0.00079 U	0.0005 U
Perfluorononanoic acid (PFNA)	0.089	0.01	0.0008 U	0.0007 U	0.00066 U	0.00014 U	0.00046 U	0.00014 U	0.00015 U	0.00086 U	0.00079 U	0.0005 U
Perfluorodecanoic acid (PFDA)	0.000059	-	0.0008 U	0.0007 U	0.00066 U	0.00023 U	0.00046 U	0.00023 U	0.00024 U	0.00086 U	0.00079 U	0.0005 U
Perfluoroundecanoic acid (PFUnA)	-	-	0.0008 U	0.0007 U	0.00066 U	0.0001 U	0.00046 U	0.0001 U	0.00011 U	0.00086 U	0.00079 U	0.0005 U
Perfluorododecanoic acid (PFDoA)	-	-	0.0008 U	0.0007 U	0.00066 U	0.00014 U	0.00046 U	0.00014 U	0.00015 U	0.00086 U	0.00079 U	0.0005 U
Perfluorotridecanoic acid (PFTrDA)	-	-	0.0008 U	0.0007 U	0.00066 U	0.000075 U	0.00046 U	0.000078 U	0.000081 U	0.00086 U	0.00079 U	0.0005 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.0008 U	0.0007 U	0.00066 U	0.000075 U	0.00046 U	0.000078 U	0.000081 U	0.00086 U	0.00079 U	0.0005 U
Perfluorobutanesulfonic acid (PFBS)	8.9	0.73	0.0008 U	0.0007 U	0.00066 U	0.000089 U	0.00046 U	0.000092 U	0.000096 U	0.00086 U	0.00079 U	0.0005 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	0.0008 U	0.0007 U	0.00066 U	0.000094 U	0.00046 U	0.000098 U	0.0001 U	0.00086 U	0.00079 U	0.0005 U
Perfluorohexanesulfonic acid (PFHxS)	0.59	-	0.0008 U	0.0007 U	0.00066 U	0.00024	0.00046 U	0.00015 J	0.00014 U	0.00041 J	0.00038 J	0.0005 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.0008 U	0.0007 U	0.00066 U	0.00014 U	0.00046 U	0.00014 U	0.00015 U	0.00086 U	0.00079 U	0.0005 U
Perfluorooctanesulfonic acid (PFOS)	0.003	0.0014	0.0027	0.001 J	0.00093 J	0.0013	0.00038 J	0.00084	0.0011	0.0064	0.0066	0.00098 J
Perfluorononanesulfonic acid (PFNS)	-	-	0.0008 U	0.0007 U	0.00066 U	0.00014 U	0.00046 U	0.00014 U	0.00015 U	0.00086 U	0.00079 U	0.0005 U
Perfluorodecanesulfonic acid (PFDS)	-	-	0.0008 U	0.0007 U	0.00066 U	0.00014 U	0.00046 U	0.00014 U	0.00015 U	0.00086 U	0.00079 U	0.0005 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	0.0008 U	0.0007 U	0.00066 U	0.00023 U	0.00046 U	0.00023 U	0.00024 U	0.00086 U	0.00079 U	0.0005 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	0.002 U	0.0017 U	0.0017 U	0.00052 U	0.0011 U	0.00053 U	0.00056 U	0.0021 U	0.002 U	0.0012 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	0.002 U	0.0017 U	0.0017 U	0.00053 U	0.0011 U	0.00055 U	0.00057 U	0.0021 U	0.002 U	0.0012 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	0.002 U	0.0017 U	0.0017 U	0.00087 U	0.0011 U	0.0009 U	0.00093 U	0.0021 U	0.002 U	0.0012 U
Perfluorooctane sulfonamide (PFOSA)	-	-	0.0008 U	0.0007 U	0.00066 U	0.0001 U	0.00046 U	0.000035 J	0.00006 J	0.00086 U	0.00079 U	0.0005 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0.0008 U	0.0007 U	0.00066 U	0.00023 U	0.00046 U	0.00023 U	0.00024 U	0.00086 U	0.00079 U	0.0005 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	0.0008 U	0.0007 U	0.00066 U	0.00014 U	0.00046 U	0.00014 U	0.00015 U	0.00086 U	0.00079 U	0.0005 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	0.0008 U	0.0007 U	0.00066 U	0.00023 U	0.00046 U	0.00023 U	0.00024 U	0.00086 U	0.00079 U	0.0005 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	0.0008 U	0.0007 U	0.00066 U	0.00023 U	0.00046 U	0.00023 U	0.00024 U	0.00086 U	0.00079 U	0.0005 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	0.004 U	0.0035 U	0.0033 U	0.00075 U	0.0023 U	0.00078 U	0.00081 U	0.0043 U	0.004 U	0.0025 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	0.004 U	0.0035 U	0.0033 U	0.0005 U	0.0023 U	0.00052 U	0.00054 U	0.0043 U	0.004 U	0.0025 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	-	0.0016 U	0.0014 U	0.0013 U	0.00055 U	0.00092 U	0.00057 U	0.0006 U	0.0017 U	0.0016 U	0.00099 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	0.0016 U	0.0014 U	0.0013 U	0.00038 U	0.00092 U	0.00039 U	0.00041 U	0.0017 U	0.0016 U	0.00099 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	0.0008 U	0.0007 U	0.00066 U	0.00045 U	0.00046 U	0.00047 U	0.00049 U	0.00086 U	0.00079 U	0.0005 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	0.0008 U	0.0007 U	0.00066 U	0.0002 U	0.00046 U	0.00021 U	0.00022 U	0.00086 U	0.00079 U	0.0005 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	0.0016 U	0.0014 U	0.0013 U	0.0045 U	0.00092 U	0.0047 U	0.0049 U	0.0017 U	0.0016 U	0.00099 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	-	-	0.002 U	0.0017 U	0.0017 U	0.00052 U	0.0011 U	0.00053 U	0.00056 U	0.0021 U	0.002 U	0.0012 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	-	-	0.002 U	0.0017 U	0.0017 U	0.00053 U	0.0011 U	0.00055 U	0.00057 U	0.0021 U	0.002 U	0.0012 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	0.0008 U	0.0007 U	0.00066 U	0.00025 U	0.00046 U	0.00026 U	0.00027 U	0.00086 U	0.00079 U	0.0005 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	0.002 U	0.0017 U	0.0017 U	0.00038 U	0.0011 U	0.00039 U	0.00041 U	0.0021 U	0.002 U	0.0012 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	0.01 U	0.0087 U	0.0083 U	0.0057 U	0.0057 U	0.0059 U	0.0061 U	0.011 U	0.0099 U	0.0062 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	0.01 U	0.0087 U	0.0083 U	0.0057 U	0.0057 U	0.0059 U	0.0061 U	0.011 U	0.0099 U	0.0062 U

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

Table 4-4
Sediment 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-SD01Z	E-A-SD02I	E-A-SD02J	E-A-SD02L	E-A-SD02M	E-A-SD02N	E-A-SD02O	E-A-SD02U	E-A-SD02V	E-A-SD02Z
Sample ID:			E-A-SD01Z_00-0.5_20240919	E-A-SD02I_00-0.2_20241022	E-A-SD02J_00-0.2_20241022	E-A-SD02L_00-0.2_20241021	E-A-SD02M_00-01_20240911	E-A-SD02N_00-0.2_20241024	E-A-SD02O_00-0.5_20240817	E-A-SD02U_00-0.2_20241023	E-A-SD02V_00-01_20240919	E-A-SD02Z_00-0.5_20240919
Sample Date:			9/19/2024	10/22/2024	10/22/2024	10/21/2024	9/11/2024	10/24/2024	8/17/2024	10/23/2024	9/19/2024	9/19/2024
Sample Depth (ft bgs):			0.00-0.50	0.00-0.20	0.00-0.20	0.00-0.20	0.00-1.00	0.00-0.20	0.00-0.50	0.00-0.20	0.00-1.00	0.00-0.50
Sample Type:			N	N	N	N	N	N	N	N	N	N
Latitude:			46.91340271	46.95892317	46.95838575	46.94370449	46.94561858	46.93979322	46.9312594	46.92639882	46.93768966	46.9142577
Longitude:			-67.93133556	-67.90207545	-67.90903221	-67.90940158	-67.90669653	-67.91177496	-67.92045129	-67.89580515	-67.89645244	-67.93026155
Analyte	Human Health Wading Sediment SL (mg/kg)	Lowest Ecological Sediment Benchmark (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Perfluorobutanoic acid (PFBA)	37	1.6	0.0014 U	0.0015 U	0.0056 U	0.001 U	0.00097 U	0.0011 U	0.0043 U	0.001 U	0.0015 U	0.0014 U
Perfluoropentanoic acid (PFPeA)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
Perfluorohexanoic acid (PFHxA)	15	1.8	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
Perfluoroheptanoic acid (PFHpA)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
Perfluorooctanoic acid (PFOA)	0.000086	0.006	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
Perfluorononanoic acid (PFNA)	0.089	0.01	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
Perfluorodecanoic acid (PFDA)	0.000059	-	0.00068 U	0.00073 U	0.0014 J	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
Perfluoroundecanoic acid (PFUnA)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
Perfluorododecanoic acid (PFDoA)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
Perfluorotridecanoic acid (PFTrDA)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
Perfluorobutanesulfonic acid (PFBS)	8.9	0.73	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
Perfluorohexanesulfonic acid (PFHxS)	0.59	-	0.00027 J	0.00073 U	0.0017 J	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00074 J	0.00072 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
Perfluorooctanesulfonic acid (PFOS)	0.003	0.0014	0.0017	0.00073 U	0.0102	0.00066 J	0.0002 J	0.00039 J	0.0265	0.0015	0.005	0.006
Perfluorononanesulfonic acid (PFNS)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
Perfluorodecanesulfonic acid (PFDS)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 J	0.00072 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	0.0017 U	0.0018 U	0.007 U	0.0013 U	0.0012 U	0.0013 U	0.0054 U	0.0013 U	0.0019 U	0.0018 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	0.0017 U	0.0018 U	0.007 U	0.0013 U	0.0012 U	0.0013 U	0.0054 U	0.0013 U	0.0019 U	0.0018 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	0.0017 U	0.0018 U	0.007 U	0.0013 U	0.0012 U	0.0013 U	0.0054 U	0.0013 U	0.0019 U	0.0018 U
Perfluorooctane sulfonamide (PFOSA)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00042 J	0.00072 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	0.0034 U	0.0037 U	0.014 U	0.0025 U	0.0024 U	0.0026 U	0.011 U	0.0025 U	0.0039 U	0.0036 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	0.0034 U	0.0037 U	0.014 U	0.0025 U	0.0024 U	0.0026 U	0.011 U	0.0025 U	0.0039 U	0.0036 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	-	0.0014 U	0.0015 U	0.0056 U	0.001 U	0.00097 U	0.0011 U	0.0043 U	0.001 U	0.0015 U	0.0014 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	0.0014 U	0.0015 U	0.0056 U	0.001 U	0.00097 U	0.0011 U	0.0043 U	0.001 U	0.0015 U	0.0014 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	0.0014 U	0.0015 U	0.0056 U	0.001 U	0.00097 U	0.0011 U	0.0043 U	0.001 U	0.0015 U	0.0014 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	-	-	0.0017 U	0.0018 U	0.007 U	0.0013 U	0.0012 U	0.0013 U	0.0054 U	0.0013 U	0.0019 U	0.0018 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	-	-	0.0017 U	0.0018 U	0.007 U	0.0013 U	0.0012 U	0.0013 U	0.0054 U	0.0013 U	0.0019 U	0.0018 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	0.00068 U	0.00073 U	0.0028 U	0.0005 U	0.00048 U	0.00053 U	0.0021 U	0.00051 U	0.00077 U	0.00072 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	0.0017 U	0.0018 U	0.007 U	0.0013 U	0.0012 U	0.0013 U	0.0054 U	0.0013 U	0.0019 U	0.0018 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	0.0085 U	0.0092 U	0.035 U	0.0063 U	0.006 U	0.0066 U	0.027 U	0.0063 U	0.0096 U	0.009 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	0.0085 U	0.0092 U	0.035 U	0.0063 U	0.006 U	0.0066 U	0.027 U	0.0063 U	0.0096 U	0.009 U

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

Table 4-4
Sediment 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-SD03I	E-A-SD03L	E-A-SD03V	E-A-SD03Z	E-A-SD04Z	EBGB_001	EBGB_002	EBGB_003	EBGB_005	EBGB_006
Sample ID:			E-A-SD03I_00-0.2_20241022	E-A-SD03L_00-01_20241031	E-A-SD03V_00-01_20240919	E-A-SD03Z_00-0.5_20240919	E-A-SD04Z_00-0.2_20241023	LORNG_EBGB_001_SD_07092022	LORNG_EBGB_002_SD_07102022	LORNG_EBGB_003_SD_07092022	LORNG_EBGB_005_SD_07102022	LORNG_EBGB_006_SD_07092022
Sample Date:			10/22/2024	10/31/2024	9/19/2024	9/19/2024	10/23/2024	7/9/2022	7/10/2022	7/9/2022	7/10/2022	7/9/2022
Sample Depth (ft bgs):			0.00-0.20	0.00-1.00	0.00-1.00	0.00-0.50	0.00-0.20	0.00-0.20	0.00-0.20	0.00-0.20	0.00-0.50	0.00-0.20
Sample Type:			N	N	N	N	N	N	N	N	N	N
Latitude:			46.96012609	46.94521897	46.93922284	46.91573717	46.91680647	46.9270239	46.9267444	46.9255096	46.9292273	46.9194826
Longitude:			-67.89895245	-67.90957549	-67.89640427	-67.92735704	-67.92737566	-67.8994062	-67.8968606	-67.9010706	-67.8736283	-67.8899969
Analyte	Human Health Wading Sediment SL (mg/kg)	Lowest Ecological Sediment Benchmark (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Perfluorobutanoic acid (PFBA)	37	1.6	0.0016 U	0.0014 U	0.001 U	0.0013 U	0.0015 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
Perfluoropentanoic acid (PFPeA)	-	-	0.0008 U	0.0007 U	0.00017 J	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
Perfluorohexanoic acid (PFHxA)	15	1.8	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
Perfluoroheptanoic acid (PFHpA)	-	-	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
Perfluorooctanoic acid (PFOA)	0.000086	0.006	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
Perfluorononanoic acid (PFNA)	0.089	0.01	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
Perfluorodecanoic acid (PFDA)	0.000059	-	0.0003 J	0.0007 U	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
Perfluoroundecanoic acid (PFUnA)	-	-	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
Perfluorododecanoic acid (PFDoA)	-	-	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
Perfluorotridecanoic acid (PFTrDA)	-	-	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
Perfluorobutanesulfonic acid (PFBS)	8.9	0.73	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
Perfluorohexanesulfonic acid (PFHxS)	0.59	-	0.0008 U	0.00064 J	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
Perfluorooctanesulfonic acid (PFOS)	0.003	0.0014	0.0008 U	0.0181	0.0018	0.0036	0.0022	0.0079	0.0081	0.0064	0.0053 J	0.0036 U
Perfluorononanesulfonic acid (PFNS)	-	-	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
Perfluorodecanesulfonic acid (PFDS)	-	-	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	NA	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	0.002 U	0.0018 U	0.0013 U	0.0017 U	0.0019 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	0.002 U	0.0018 U	0.0013 U	0.0017 U	0.0019 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	0.002 U	0.0018 U	0.0013 U	0.0017 U	0.0019 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
Perfluorooctane sulfonamide (PFOSA)	-	-	0.0008 U	0.00057 J	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0 R	0.018 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	NA	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	0.0017 U	0.0017 U	0.0018 U	0.0068 U	0.0036 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	0.004 U	0.0035 U	0.0025 U	0.0033 U	0.0039 U	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	0.004 U	0.0035 U	0.0025 U	0.0033 U	0.0039 U	NA	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	-	0.0016 U	0.0014 U	0.001 U	0.0013 U	0.0015 U	NA	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	0.0016 U	0.0014 U	0.001 U	0.0013 U	0.0015 U	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	0.0016 U	0.0014 U	0.001 U	0.0013 U	0.0015 U	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	-	-	0.002 U	0.0018 U	0.0013 U	0.0017 U	0.0019 U	NA	NA	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	-	-	0.002 U	0.0018 U	0.0013 U	0.0017 U	0.0019 U	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	0.0008 U	0.0007 U	0.0005 U	0.00067 U	0.00077 U	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	0.002 U	0.0018 U	0.0013 U	0.0017 U	0.0019 U	NA	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	0.01 U	0.0088 U	0.0063 U	0.0084 U	0.0097 U	NA	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	0.01 U	0.0088 U	0.0063 U	0.0084 U	0.0097 U	NA	NA	NA	NA	NA

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

Table 4-4
Sediment 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_006	EBGB_SED001	EBGB_SED002	EBGB_SED003	EBGB_SED004	GB_003	GB_004	GB_SED001	GB_SED002	LMR_001
Sample ID:			LORNG_EBGB_006_SD_07092022FD	LORNG_EBGB_SED001_FP_07062022	LORNG_EBGB_SED002_FP_07062022	LORNG_EBGB_SED003_FP_07062022	LORNG_EBGB_SED004_FP_07062022	LORNG_GB_003_SD_07072022	LORNG_GB_004_SD_07072022	LORNG_GB_SED001_F_P_07092022	LORNG_GB_SED002_F_P_07092022	LORNG_LMR_001_SD_07082022
Sample Date:			7/9/2022	7/6/2022	7/6/2022	7/6/2022	7/6/2022	7/7/2022	7/7/2022	7/9/2022	7/9/2022	7/8/2022
Sample Depth (ft bgs):			0.00-0.20	0.00-1.00	0.00-1.00	0.00-0.50	0.00-1.00	0.00-0.50	0.00-0.20	0.00-1.00	0.00-1.00	0.00-0.20
Sample Type:			FD	N	N	N	N	N	N	N	N	N
Latitude:			46.9194826	46.9293133	46.9260135	46.9236695	46.9208149	46.8982899	46.9067022	46.9170298	46.9144743	46.8977721
Longitude:			-67.8899969	-67.8999069	-67.9005591	-67.902406	-67.915427	-67.9500288	-67.9348505	-67.9274922	-67.929961	-67.9519853
Analyte	Human Health Wading Sediment SL (mg/kg)	Lowest Ecological Sediment Benchmark (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Perfluorobutanoic acid (PFBA)	37	1.6	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
Perfluoropentanoic acid (PFPeA)	-	-	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
Perfluorohexanoic acid (PFHxA)	15	1.8	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
Perfluoroheptanoic acid (PFHpA)	-	-	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
Perfluorooctanoic acid (PFOA)	0.000086	0.006	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00039 J	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
Perfluorononanoic acid (PFNA)	0.089	0.01	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
Perfluorodecanoic acid (PFDA)	0.000059	-	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
Perfluoroundecanoic acid (PFUnA)	-	-	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
Perfluorododecanoic acid (PFDoA)	-	-	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
Perfluorotridecanoic acid (PFTrDA)	-	-	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.018 UJ	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
Perfluorobutanesulfonic acid (PFBS)	8.9	0.73	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
Perfluorohexanesulfonic acid (PFHxS)	0.59	-	0.0037 U	0.00099 J	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
Perfluorooctanesulfonic acid (PFOS)	0.003	0.0014	0.0037 U	0.006	0.0135	0.0013 J	0.0062	0.0057	0.0013 U	0.0038	0.0099	0.0013 U
Perfluorononanesulfonic acid (PFNS)	-	-	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
Perfluorodecanesulfonic acid (PFDS)	-	-	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
Perfluorooctane sulfonamide (PFOSA)	-	-	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0.018 UJ	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.0049 U	0.0063 UJ	0.0015 U	0.0013 U	0.0013 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	0.0037 U	0.0014 U	0.0022 U	0.0014 U	0.00065 U	0.00098 U	0.0013 U	0.0015 U	0.0013 U	0.0013 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

Table 4-4
Sediment 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_002	LORNG-LT-03	LORNG-LT-05A	LORNG-LT-10-01	LORNG-LT-10-02		LORNG-LT-10-05	LORNG-LT-10-06	LORNG-LT-10-06A	LT-04
Sample ID:			LORNG_LMR_002_SD_07082022	LORNG_LT03_SD_0712022	LORNG_LT05A_SD_07102022	LORNG_LT1001_SD_07102022	LORNG_LT1002_SD_07102022	LORNG_LT1002_SD_07102022FD	LORNG_LT1005_SD_07092022	LORNG_LT1006_SD_07082022	LORNG_LT1006A_SD_07072022	LORNG_LT04_SD_0712022
Sample Date:			7/8/2022	7/11/2022	7/10/2022	7/10/2022	7/10/2022	7/10/2022	7/9/2022	7/8/2022	7/7/2022	7/11/2022
Sample Depth (ft bgs):			0.00-0.20	0.00-0.60	0.00-0.10	0.00-0.30	0.00-0.35	0.00-0.35	0.00-0.20	0.00-0.20	0.00-0.20	0.00-0.20
Sample Type:			N	N	N	N	N	FD	N	N	N	N
Latitude:			46.8894893	46.95449456	46.92880536	46.92103373	46.931501	46.931501	46.9214381	46.91857915	46.91456902	46.94408411
Longitude:			-67.9492132	-67.90942735	-67.92198201	-67.91644664	-67.8980758	-67.8980758	-67.90656098	-67.92667019	-67.9302664	-67.90923192
Analyte	Human Health Wading Sediment SL (mg/kg)	Lowest Ecological Sediment Benchmark (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Perfluorobutanoic acid (PFBA)	37	1.6	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
Perfluoropentanoic acid (PFPeA)	-	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
Perfluorohexanoic acid (PFHxA)	15	1.8	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
Perfluoroheptanoic acid (PFHpA)	-	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
Perfluorooctanoic acid (PFOA)	0.000086	0.006	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
Perfluorononanoic acid (PFNA)	0.089	0.01	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
Perfluorodecanoic acid (PFDA)	0.000059	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
Perfluoroundecanoic acid (PFUnA)	-	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
Perfluorododecanoic acid (PFDoA)	-	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
Perfluorotridecanoic acid (PFTrDA)	-	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
Perfluorobutanesulfonic acid (PFBS)	8.9	0.73	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
Perfluorohexanesulfonic acid (PFHxS)	0.59	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
Perfluorooctanesulfonic acid (PFOS)	0.003	0.0014	0.0012 U	0.0006 U	0.017	0.0053	0.0012 J	0.0014 J	0.0085	0.0055	0.002	0.0023 J
Perfluorononanesulfonic acid (PFNS)	-	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
Perfluorodecanesulfonic acid (PFDS)	-	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
Perfluorooctane sulfonamide (PFOSA)	-	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	0.0012 U	0.0006 U	0.002 U	0.0015 U	0.0016 U	0.0015 U	0.0033 U	0.0019 U	0.00068 U	0.0013 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUds)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

Table 4-4
Sediment 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:			LT-04	LT-05B	LT-02B	LT-02B	SD21002	SD22001		SD22002	SD22003	SW/SD08002
Sample ID:			LORNG_LT04_SD_071 12022FD	LORNG_LT05_SD_071 02022	LORNG_LT02_SD_070 82022	LORNG_LT02_SD_070 82022FD	LORNG_SD21002_071 12022	LORNG_SD22001_070 82022	LORNG_SD22001_070 82022FD	LORNG_SD22002_070 82022	LORNG_SD22003_070 82022	LORNG_SD08002_071 12022
Sample Date:			7/11/2022	7/10/2022	7/8/2022	7/8/2022	7/11/2022	7/8/2022	7/8/2022	7/8/2022	7/8/2022	7/11/2022
Sample Depth (ft bgs):			0.00-0.20	0.00-0.20	0.00-0.20	0.00-0.20	0.00-0.35	0.00-0.20	0.00-0.20	0.00-0.20	0.00-0.20	0.00-0.30
Sample Type:			FD	N	N	FD	N	N	FD	N	N	N
Latitude:			46.94408411	46.925703	46.896987	46.896987	46.93204039	46.9177019	46.9177019	46.916958	46.915442	46.9397225
Longitude:			-67.90923192	-67.923365	-67.952367	-67.952367	-67.89844604	-67.9269828	-67.9269828	-67.9272762	-67.9280416	-67.8961106
Analyte	Human Health Wading Sediment SL (mg/kg)	Lowest Ecological Sediment Benchmark (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Perfluorobutanoic acid (PFBA)	37	1.6	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
Perfluoropentanoic acid (PFPeA)	-	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
Perfluorohexanoic acid (PFHxA)	15	1.8	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
Perfluoroheptanoic acid (PFHpA)	-	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
Perfluorooctanoic acid (PFOA)	0.000086	0.006	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
Perfluorononanoic acid (PFNA)	0.089	0.01	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
Perfluorodecanoic acid (PFDA)	0.000059	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
Perfluoroundecanoic acid (PFUnA)	-	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
Perfluorododecanoic acid (PFDoA)	-	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
Perfluorotridecanoic acid (PFTrDA)	-	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
Perfluorobutanesulfonic acid (PFBS)	8.9	0.73	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
Perfluorohexanesulfonic acid (PFHxS)	0.59	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
Perfluorooctanesulfonic acid (PFOS)	0.003	0.0014	0.003	0.0254	0.0023 J	0.0015 J	0.0011 U	0.0013 U	0.0018 J	0.0074	0.0022 J	0.0036
Perfluorononanesulfonic acid (PFNS)	-	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
Perfluorodecanesulfonic acid (PFDS)	-	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
Perfluorooctane sulfonamide (PFOSA)	-	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.017 U	0.0015 U	0.0012 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	0.0012 U	0.0013 U	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0034 U	0.0015 U	0.0012 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUds)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

Table 4-4
Sediment 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	SW/SD11009	SW/SD12007	SW/SD12010
Sample ID:			LORNG_SD08002_071 12022FD	LORNG_SD09002_071 12022	LORNG_SD11004_062 12022	LORNG_SD11005_071 22022	LORNG_SD11006_071 22022	LORNG_SD11007_071 12022	LORNG_SD11008_062 12022	LORNG_SD11009_062 12022	LORNG_SD12007_071 22022	LORNG_SD12010_071 22022
Sample Date:			7/11/2022	7/11/2022	6/21/2022	7/12/2022	7/12/2022	7/11/2022	6/21/2022	6/21/2022	7/12/2022	7/12/2022
Sample Depth (ft bgs):			0.00-0.30	0.00-0.50	0.00-1.00	0.00-0.30	0.00-0.30	0.00-0.20	0.00-1.00	0.00-1.00	0.00-0.25	0.00-0.50
Sample Type:			FD	N	N	N	N	N	N	N	N	N
Latitude:			46.9397225	46.9332086	46.9459087	46.9457576	46.9456862	46.944623	46.943639	46.943305	46.94853505	46.9475057
Longitude:			-67.8961106	-67.897232	-67.9041948	-67.9051234	-67.906691	-67.9089078	-67.9094543	-67.90963	-67.90498423	-67.9081077
Analyte	Human Health Wading Sediment SL (mg/kg)	Lowest Ecological Sediment Benchmark (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Perfluorobutanoic acid (PFBA)	37	1.6	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0006 U
Perfluoropentanoic acid (PFPeA)	-	-	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0006 U
Perfluorohexanoic acid (PFHxA)	15	1.8	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0006 U
Perfluoroheptanoic acid (PFHpA)	-	-	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0006 U
Perfluorooctanoic acid (PFOA)	0.000086	0.006	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.00032 J
Perfluorononanoic acid (PFNA)	0.089	0.01	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0006 U
Perfluorodecanoic acid (PFDA)	0.000059	-	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0006 U
Perfluoroundecanoic acid (PFUnA)	-	-	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0006 U
Perfluorododecanoic acid (PFDoA)	-	-	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0006 U
Perfluorotridecanoic acid (PFTrDA)	-	-	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0006 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0006 U
Perfluorobutanesulfonic acid (PFBS)	8.9	0.73	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0006 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0006 U
Perfluorohexanesulfonic acid (PFHxS)	0.59	-	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0014
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0006 U
Perfluorooctanesulfonic acid (PFOS)	0.003	0.0014	0.0031	0.0012 U	0.0206	0.00073 J	0.0021	0.0023 J	0.0044	0.0025	0.0061	0.0822
Perfluorononanesulfonic acid (PFNS)	-	-	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0012
Perfluorodecanesulfonic acid (PFDS)	-	-	0.0012 U	0.0012 U	0.00086 J	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0017
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0006 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0006 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0019
Perfluorooctane sulfonamide (PFOSA)	-	-	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0043
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0.0012 U	0.0012 U	0.0013 UJ	0.00058 U	0.00067 U	0.0012 U	0.0012 UJ	0.0057 U	0.00064 U	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0006 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	0.0012 U	0.0012 U	0.0013 U	0.00058 U	0.00067 U	0.0012 U	0.0012 U	0.0011 U	0.00064 U	0.0006 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

Table 4-4
Sediment 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/SD12011	SW/SD16005		SW/SD16006	SW/SD17007	SW/SD21001	SW/SD21003	WBGB_001	WBGB_002	WBGB_003
Sample ID:			LORNG_SD12011_07112022	LORNG_SD16005_07102022	LORNG_SD16005_07102022FD	LORNG_SD16006_07102022	LORNG_SD17007_07092022	LORNG_SD21001_07112022	LORNG_SD21003_07102022	LORNG_WBGB_001_S_D_07212022	LORNG_WBGB_002_S_D_07112022	LORNG_WBGB_003_S_D_07112022
Sample Date:			7/11/2022	7/10/2022	7/10/2022	7/10/2022	7/9/2022	7/11/2022	7/10/2022	7/21/2022	7/11/2022	7/11/2022
Sample Depth (ft bgs):			0.00-0.20	0.00-0.50	0.00-0.50	0.00-0.40	0.00-0.70	0.00-0.45	0.00-0.50	0.00-0.25	0.00-0.20	0.00-0.20
Sample Type:			N	N	FD	N	N	N	N	N	N	N
Latitude:			46.9469709	46.92646762	46.92646762	46.9260877	46.9592361	46.93226269	46.93180178	46.9640875	46.9519411	46.9500881
Longitude:			-67.9091196	-67.88638883	-67.88638883	-67.88661731	-67.8933365	-67.89848358	-67.8984367	-67.9096272	-67.9111259	-67.9099322
Analyte	Human Health Wading Sediment SL (mg/kg)	Lowest Ecological Sediment Benchmark (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Perfluorobutanoic acid (PFBA)	37	1.6	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.017 U	0.0051 U	0.0013 U
Perfluoropentanoic acid (PFPeA)	-	-	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.017 U	0.0051 U	0.0013 U
Perfluorohexanoic acid (PFHxA)	15	1.8	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.017 U	0.0051 U	0.0013 U
Perfluoroheptanoic acid (PFHpA)	-	-	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.017 U	0.0051 U	0.0013 U
Perfluorooctanoic acid (PFOA)	0.000086	0.006	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.017 U	0.0051 U	0.0013 U
Perfluorononanoic acid (PFNA)	0.089	0.01	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.086 U	0.0051 U	0.0013 U
Perfluorodecanoic acid (PFDA)	0.000059	-	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.086 U	0.0051 U	0.0013 U
Perfluoroundecanoic acid (PFUnA)	-	-	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.086 U	0.0051 U	0.0013 U
Perfluorododecanoic acid (PFDoA)	-	-	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.017 U	0.0051 U	0.0013 U
Perfluorotridecanoic acid (PFTrDA)	-	-	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.017 U	0.0051 U	0.0013 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.017 U	0.0051 U	0.0013 U
Perfluorobutanesulfonic acid (PFBS)	8.9	0.73	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.017 U	0.0051 U	0.0013 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.017 U	0.0051 U	0.0013 U
Perfluorohexanesulfonic acid (PFHxS)	0.59	-	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.017 U	0.0051 U	0.0013 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.017 U	0.0051 U	0.0013 U
Perfluorooctanesulfonic acid (PFOS)	0.003	0.0014	0.0892	0.0012 U	0.0014 U	0.00075 J	0.0015 U	0.011	0.0029	0.017 U	0.0051 U	0.0013 U
Perfluorononanesulfonic acid (PFNS)	-	-	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.017 U	0.0051 U	0.0013 U
Perfluorodecanesulfonic acid (PFDS)	-	-	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.086 U	0.0051 U	0.0013 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.017 U	0.0051 U	0.0013 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.017 U	0.0051 U	0.0013 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.086 U	0.0051 U	0.0013 U
Perfluorooctane sulfonamide (PFOSA)	-	-	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 J	0.0014 U	0.086 U	0.0051 U	0.0013 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0.0057 UJ	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0069 U	0.086 U	0.0051 UJ	0.0013 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.017 U	0.0051 U	0.0013 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	0.0057 U	0.0012 U	0.0014 U	0.0013 U	0.0015 U	0.0024 U	0.0014 U	0.017 U	0.0051 U	0.0013 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUds)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

Table 4-4
Sediment 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_004	WBGB_005	WBGB_SED001	WBGB_SED002	WBGB_SED003	WBGB_SED004		WLVB_001	CS01	
Sample ID:			LORNG_WBGB_004_S D_07102022	LORNG_WBGB_005_S D_07102022	LORNG_WBGB_SED00 1_FP_07062022	LORNG_WBGB_SED00 2_FP_07092022	LORNG_WBGB_SED00 3_FP_07062022	LORNG_WBGB_SED00 4_FP_07092022	LORNG_WBGB_SED00 4_FP_07092022F	LORNG_WLVB_001_S D_07112022	F-SDCS01_00- 01_20240523	F-HSCS01_00- 01_20240911
Sample Date:			7/10/2022	7/10/2022	7/6/2022	7/9/2022	7/6/2022	7/9/2022	7/9/2022	7/11/2022	5/23/2024	9/11/2024
Sample Depth (ft bgs):			0.00-0.30	0.00-0.30	0.00-1.00	0.00-2.00	0.00-1.00	0.00-1.00	0.00-1.00	0.00-0.45	0.00-1.00	0.00-1.00
Sample Type:			N	N	N	N	N	N	FD	N	N	N
Latitude:			46.939541	46.936344	46.9350038	46.9326853	46.9284257	46.9221774	46.9221774	46.9665305	46.90135736	46.90135736
Longitude:			-67.9133821	-67.918276	-67.918878	-67.9205621	-67.9228425	-67.922995	-67.922995	-67.9240072	-68.10742395	-68.10742395
Analyte		Human Health Wading Sediment SL (mg/kg)	Lowest Ecological Sediment Benchmark (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Perfluorobutanoic acid (PFBA)		37	1.6	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0029 U
Perfluoropentanoic acid (PFPeA)		-	-	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
Perfluorohexanoic acid (PFHxA)		15	1.8	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
Perfluoroheptanoic acid (PFHpA)		-	-	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
Perfluorooctanoic acid (PFOA)		0.000086	0.006	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
Perfluorononanoic acid (PFNA)		0.089	0.01	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
Perfluorodecanoic acid (PFDA)		0.000059	-	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
Perfluoroundecanoic acid (PFUnA)		-	-	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
Perfluorododecanoic acid (PFDoA)		-	-	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
Perfluorotridecanoic acid (PFTrDA)		-	-	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
Perfluorotetradecanoic acid (PFTeDA)		-	-	0.021 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
Perfluorobutanesulfonic acid (PFBS)		8.9	0.73	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
Perfluoropentanesulfonic acid (PFPeS)		-	-	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
Perfluorohexanesulfonic acid (PFHxS)		0.59	-	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
Perfluoroheptanesulfonic acid (PFHpS)		-	-	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
Perfluorooctanesulfonic acid (PFOS)		0.003	0.0014	0.0366	0.0179	0.00053 J	0.0146	0.00067 U	0.0057	0.005	0.0034 U	0.0014 U
Perfluorononanesulfonic acid (PFNS)		-	-	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
Perfluorodecanesulfonic acid (PFDS)		-	-	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
Perfluorododecanesulfonic acid (PFDoS)		-	-	NA	NA	NA	NA	NA	NA	NA	0.0034 U	0.0014 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)		-	-	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0036 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)		-	-	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0036 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)		-	-	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0036 U
Perfluorooctane sulfonamide (PFOSA)		-	-	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)		-	-	0.021 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0	0.0014 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)		-	-	NA	NA	NA	NA	NA	NA	NA	0.0014 U	0.0017 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		-	-	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		-	-	0.0041 U	0.0026 U	0.0007 U	0.0018 U	0.00067 U	0.0016 U	0.0017 U	0.0034 U	0.0014 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		-	-	NA	NA	NA	NA	NA	NA	NA	0.0072 U	0.0086 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		-	-	NA	NA	NA	NA	NA	NA	NA	0.0072 U	0.0086 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)		0.11	-	NA	NA	NA	NA	NA	NA	NA	0.0029 U	0.0034 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)		-	-	NA	NA	NA	NA	NA	NA	NA	0.0029 U	0.0034 U
Perfluoro-3-methoxypropanoic acid (PFMPA)		-	-	NA	NA	NA	NA	NA	NA	NA	0.0014 U	0.0017 U
Perfluoro-4-methoxybutanoic acid (PFMBA)		-	-	NA	NA	NA	NA	NA	NA	NA	0.0014 U	0.0017 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		-	-	NA	NA	NA	NA	NA	NA	NA	0.0029 U	0.0034 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)		-	-	NA	NA	NA	NA	NA	NA	NA	0.0036 U	0.0043 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUds)		-	-	NA	NA	NA	NA	NA	NA	NA	0.0036 U	0.0043 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		-	-	NA	NA	NA	NA	NA	NA	NA	0.0014 U	0.0017 U
3-Perfluoropropyl propanoic acid (3:3FTCA)		-	-	NA	NA	NA	NA	NA	NA	NA	0.0036 U	0.0043 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		-	-	NA	NA	NA	NA	NA	NA	NA	0.018 U	0.022 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)		-	-	NA	NA	NA	NA	NA	NA	NA	0.018 U	0.022 U

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

Table 4-4
Sediment 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-SD01CS	E-A-SD01PB	LT-16B	LT-16B	LT-17
Sample ID:			E-A-SD01CS_00-0.3_20240819	E-A-SD01PB_00-0.3_20240819	LORNG_LT16_SD_07072022	LORNG_LT16_SD_07072022FD	LORNG_LT17_SD_07072022
Sample Date:			8/19/2024	8/19/2024	7/7/2022	7/7/2022	7/7/2022
Sample Depth (ft bgs):			0.00-0.30	0.00-0.30	0.00-0.50	0.00-0.50	0.00-0.30
Sample Type:			N	N	N	FD	N
Latitude:			46.90124521	46.82611774	46.827196	46.827196	46.90072706
Longitude:			-68.1075819	-68.00890818	-68.007168	-68.007168	-68.10769109
Analyte	Human Health Wading Sediment SL (mg/kg)	Lowest Ecological Sediment Benchmark (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Perfluorobutanoic acid (PFBA)	37	1.6	0.0015 U	0.0014 U	0.00081 U	0.00072 U	0.00067 U
Perfluoropentanoic acid (PFPeA)	-	-	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
Perfluorohexanoic acid (PFHxA)	15	1.8	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
Perfluoroheptanoic acid (PFHpA)	-	-	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
Perfluorooctanoic acid (PFOA)	0.000086	0.006	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
Perfluorononanoic acid (PFNA)	0.089	0.01	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
Perfluorodecanoic acid (PFDA)	0.000059	-	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
Perfluoroundecanoic acid (PFUnA)	-	-	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
Perfluorododecanoic acid (PFDoA)	-	-	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
Perfluorotridecanoic acid (PFTrDA)	-	-	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
Perfluorobutanesulfonic acid (PFBS)	8.9	0.73	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
Perfluorohexanesulfonic acid (PFHxS)	0.59	-	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.00077 U	0.00068	0.00081 U	0.00072 U	0.00067 U
Perfluorooctanesulfonic acid (PFOS)	0.003	0.0014	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
Perfluorononanesulfonic acid (PFNS)	-	-	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
Perfluorodecanesulfonic acid (PFDS)	-	-	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	0.00077 U	0.00068 U	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	0.0019 U	0.0017 U	0.00081 U	0.00072 U	0.00067 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	0.0019 U	0.0017 U	0.00081 U	0.00072 U	0.00067 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	0.0019 U	0.0017 U	0.00081 U	0.00072 U	0.00067 U
Perfluorooctane sulfonamide (PFOSA)	-	-	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	0.00077 U	0.00068 U	0.00081 UJ	0.00072 UJ	0.00067 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	0.00077 U	0.00068 U	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	0.00077 U	0.00068 U	0.00081 U	0.00072 U	0.00067 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	0.0039 U	0.0034 U	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	0.0039 U	0.0034 U	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	-	0.0015 U	0.0014 U	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	0.0015 U	0.0014 U	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	0.00077 U	0.00068 U	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	0.00077 U	0.00068 U	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	0.0015 U	0.0014 U	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	0.0019 U	0.0017 U	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	0.0019 U	0.0017 U	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	0.00077 U	0.00068 U	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	0.0019 U	0.0017 U	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	0.0097 U	0.0085 U	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	0.0097 U	0.0085 U	NA	NA	NA

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