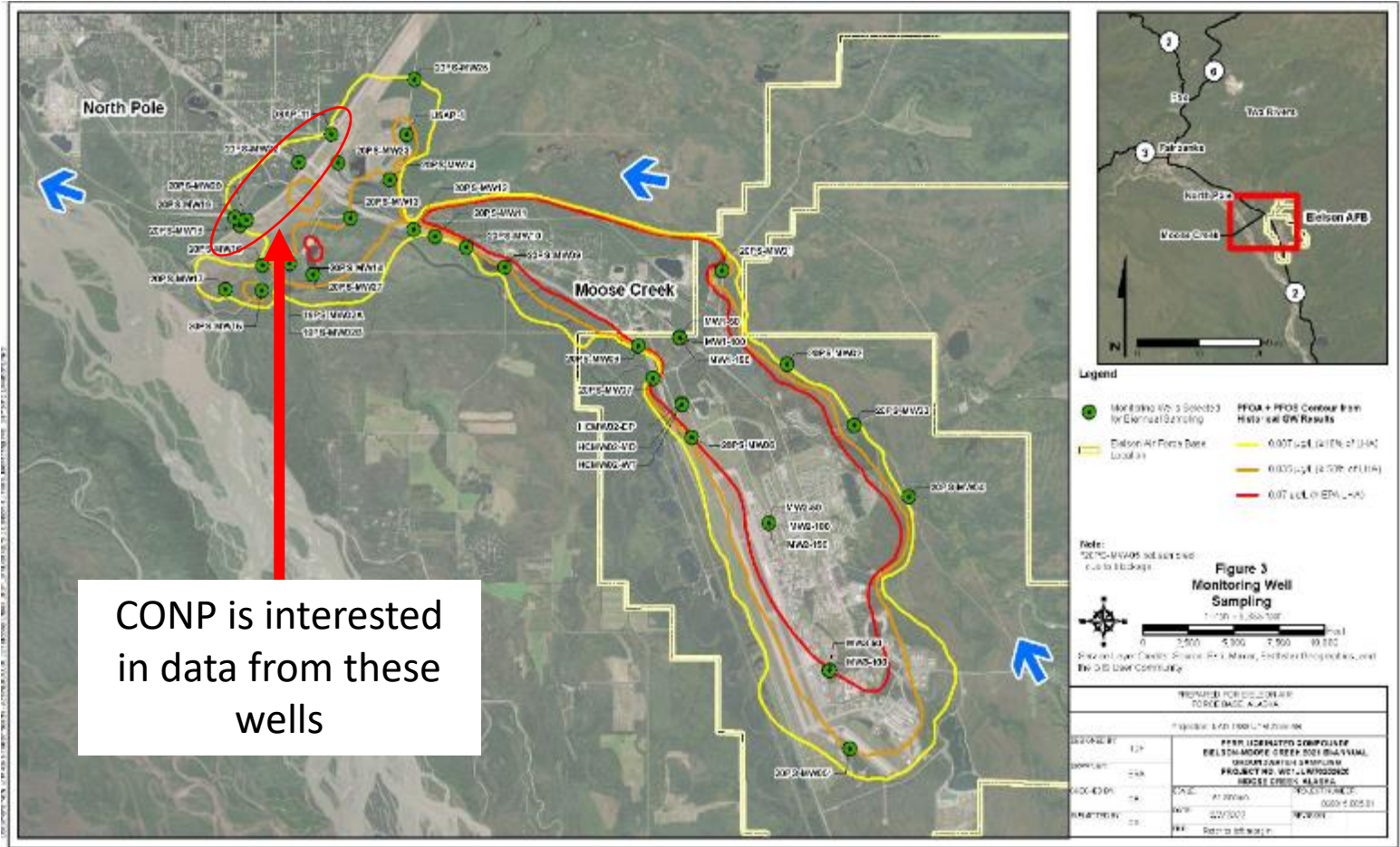


PFAS/PFOA Monitoring (2020-2021)



CONP is interested in data from these wells

3.2.3 Analytical Results (2021 Biannual GW Monitoring Report p. 18-19)

During the 2021 sampling event, PFOS+PFOA detections exceeding the LHA of 0.07 µg/L were detected in 10 of the 40 wells. PFBS was not detected above the screening level of 0.6 µg/L in any of the wells during either sampling event. PFAS concentrations for the 2021 sampling events are presented in Table 5. The data validation summary reports are provided in Appendix C, and the laboratory analytical data reports are provided in Appendix D. Figure 4 shows the 2021 PFOS+PFOA concentrations in the monitoring wells located northwest of Eielson AFB, and Figure 5 shows the 2021 PFOS+PFOA concentrations in the monitoring wells located within the boundary of Eielson AFB.

The shallow wells (10 to 25 feet) sampled during this reporting period include wells HCMW02WT, 20PS-MW01 through 20PS-MW04, MWPS-MW06 through 20PS-MW20, 20PS-MW22 through 20PS-MW25, 20PS-MW27, DSAP-11, and USP-1. The intermediate wells (50 to 80 feet) sampled during this reporting period include HCMW02MD, MW1-50, MW2-50, MW3-50, 19PS-MW02A, and 19PS-MW02B.

The deep wells (100, 150, and 200 feet) sampled during this reporting period include HCMW02DP, MW1-100, MW1-150, MW2-100, MW2-150, and MW3-100. Monitoring well 20PS-MW05, a shallow well, was not sampled during either event due to blockage found at approximately 8 feet bgs. A summary of detections in each depth zone is provided below, with all concentrations designated as the sum of PFOS and PFOA (PFOS+PFOA).

[More details in the notes field below]

Well ID	Date	PFOS Results (µg/L)	PFOA Results (µg/L)	Aggregate PFOA/PFOS Results (µg/L)	PFBS Results (µg/L)
DSAP-11	7/2/2021	0.0063	0.0036	0.0099	0.0013 J
	9/6/2021	0.0060	0.0041	0.0101	0.0015 J

Well Depth = 22 ft

Well ID	Date	PFOS Results (µg/L)	PFOA Results (µg/L)	Aggregate PFOA/PFOS Results (µg/L)	PFBS Results (µg/L)
20PS-MW23	6/27/2021	0.0069	0.0035	0.0104	0.0011 J
	9/6/2021	0.0071	0.0034	0.0105	0.0014 J

Well Depth = 13 ft

Well ID	Date	PFOS Results (µg/L)	PFOA Results (µg/L)	Aggregate PFOA/PFOS Results (µg/L)	PFBS Results (µg/L)
20PS-MW22	6/27/2021	0.0041	0.0028	0.0069	0.0007 J
	9/6/2021	0.0050	0.0040	0.0100	0.0014 J

Well Depth = 20 ft

Well ID	Date	PFOS Results (µg/L)	PFOA Results (µg/L)	Aggregate PFOA/PFOS Results (µg/L)	PFBS Results (µg/L)
20PS-MW20	6/26/2021	0.0044	0.0099	0.0143	0.0028 J
	9/5/2021	0.0079	0.013	0.021	0.0016 J

Well Depth = 13 ft

Well ID	Date	PFOS Results (µg/L)	PFOA Results (µg/L)	Aggregate PFOA/PFOS Results (µg/L)	PFBS Results (µg/L)
20PS-MW19	6/30/2021	0.0065	0.0035	0.010	0.001 J
	9/3/2021	0.0061	0.0034	0.0095	0.001 J

Well Depth = 13 ft

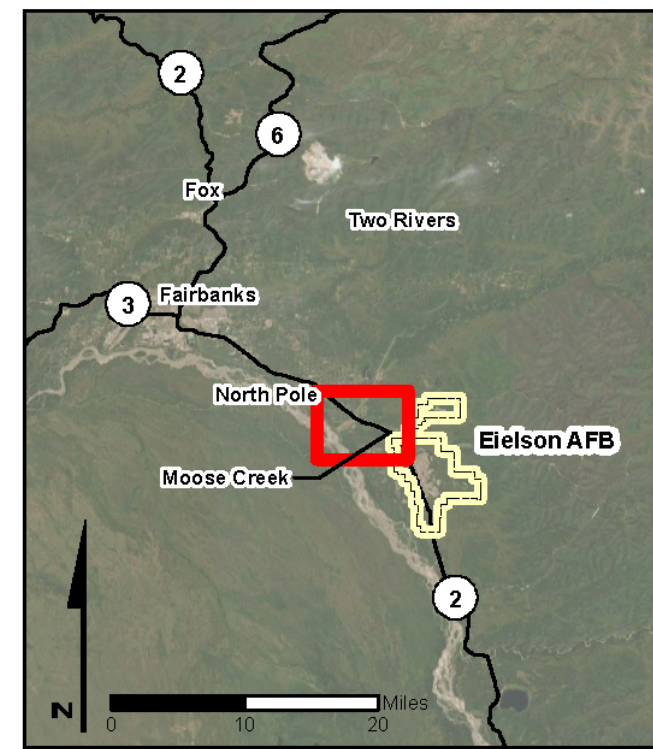
Well ID	Date	PFOS Results (µg/L)	PFOA Results (µg/L)	Aggregate PFOA/PFOS Results (µg/L)	PFBS Results (µg/L)
20PS-MW18	6/26/2021	0.0039	0.0019	0.0058	0.00063 J
	9/5/2021	0.0051	0.0028	0.0079	0.0011 J

Well Depth = 14 ft

Green Dot:
Within
Acceptable Limits

These wells are listed
beginning on p. 41

North Pole



Legend

- Monitoring Wells Selected for Biannual Sampling
- Exceedance in Monitoring Wells Selected for Biannual Sampling
- Eielson Air Force Base Location
- Groundwater Flow Direction
- PFOA + PFOS Contour from Historical GW Results
 - 0.007 µg/L (≥10% of LHA)
 - 0.035 µg/L (≥50% of LHA)
 - 0.07 µg/L (≥ EPA LHA)

Note:

Wells denoted in red exceed EPA LHA for PFOA, PFAS, and/or PFBS

Figure 4
2021 PFAS Concentrations
Northwest Monitoring Well Area
1 inch = 3,333 feet



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and

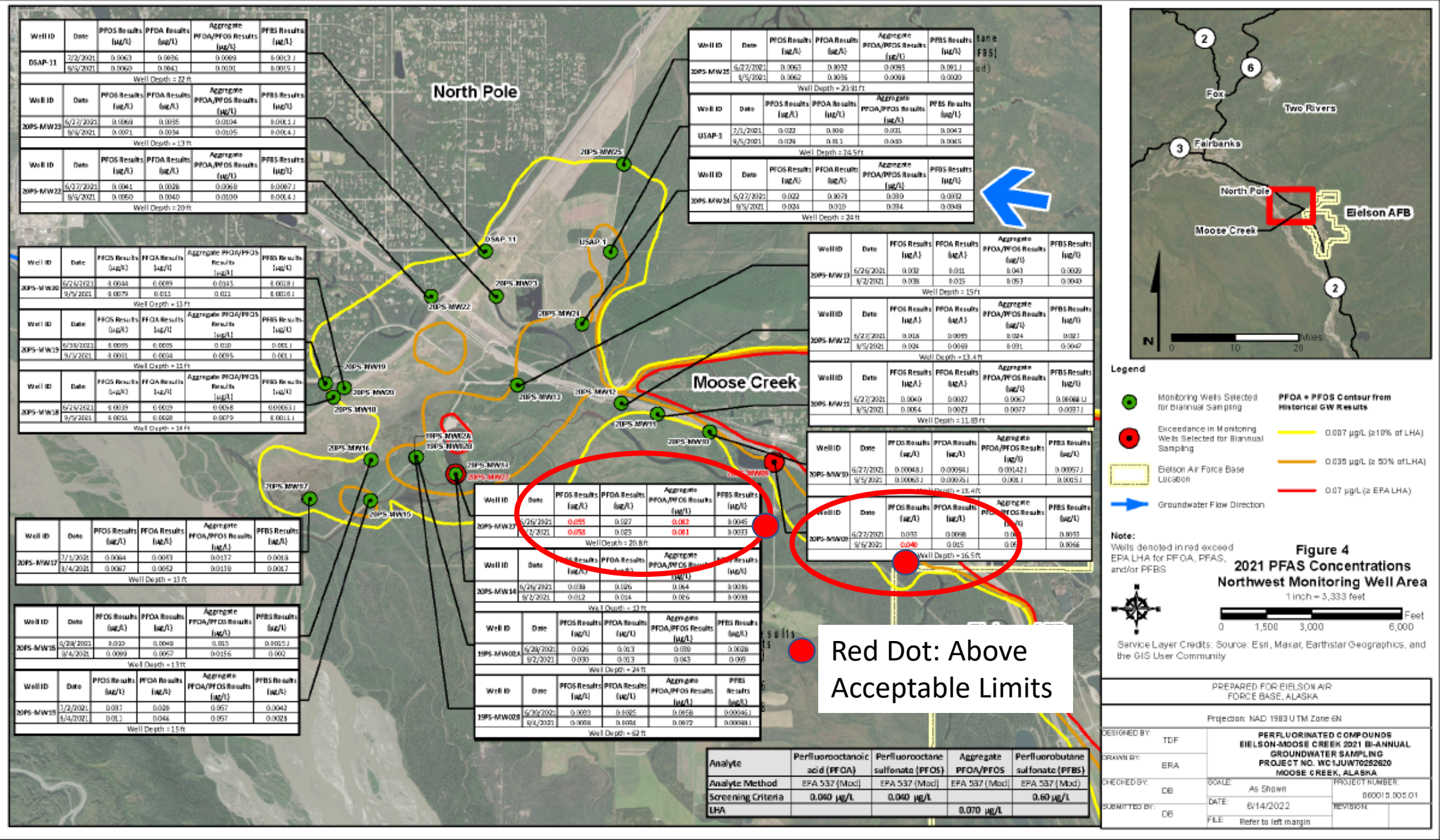
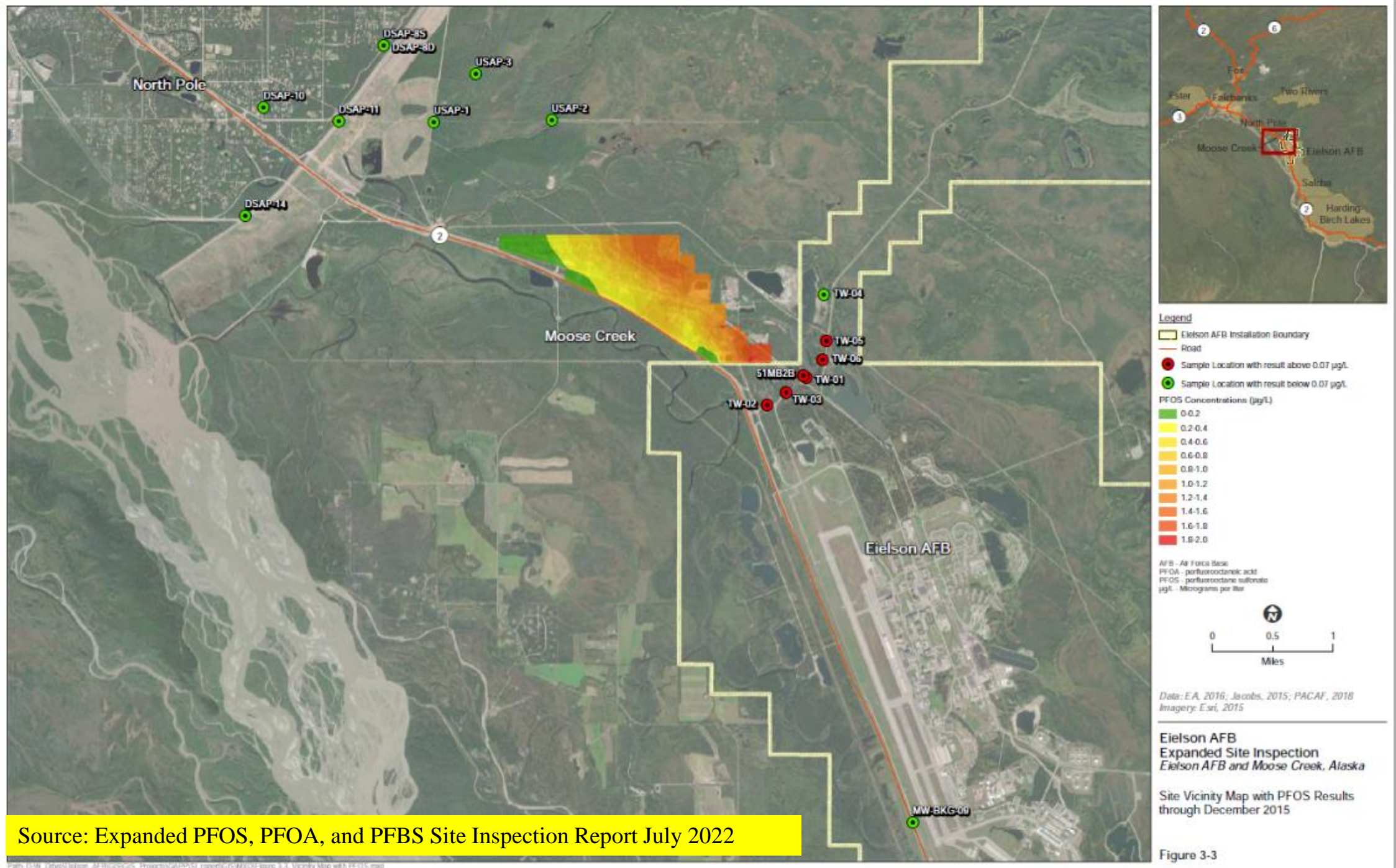
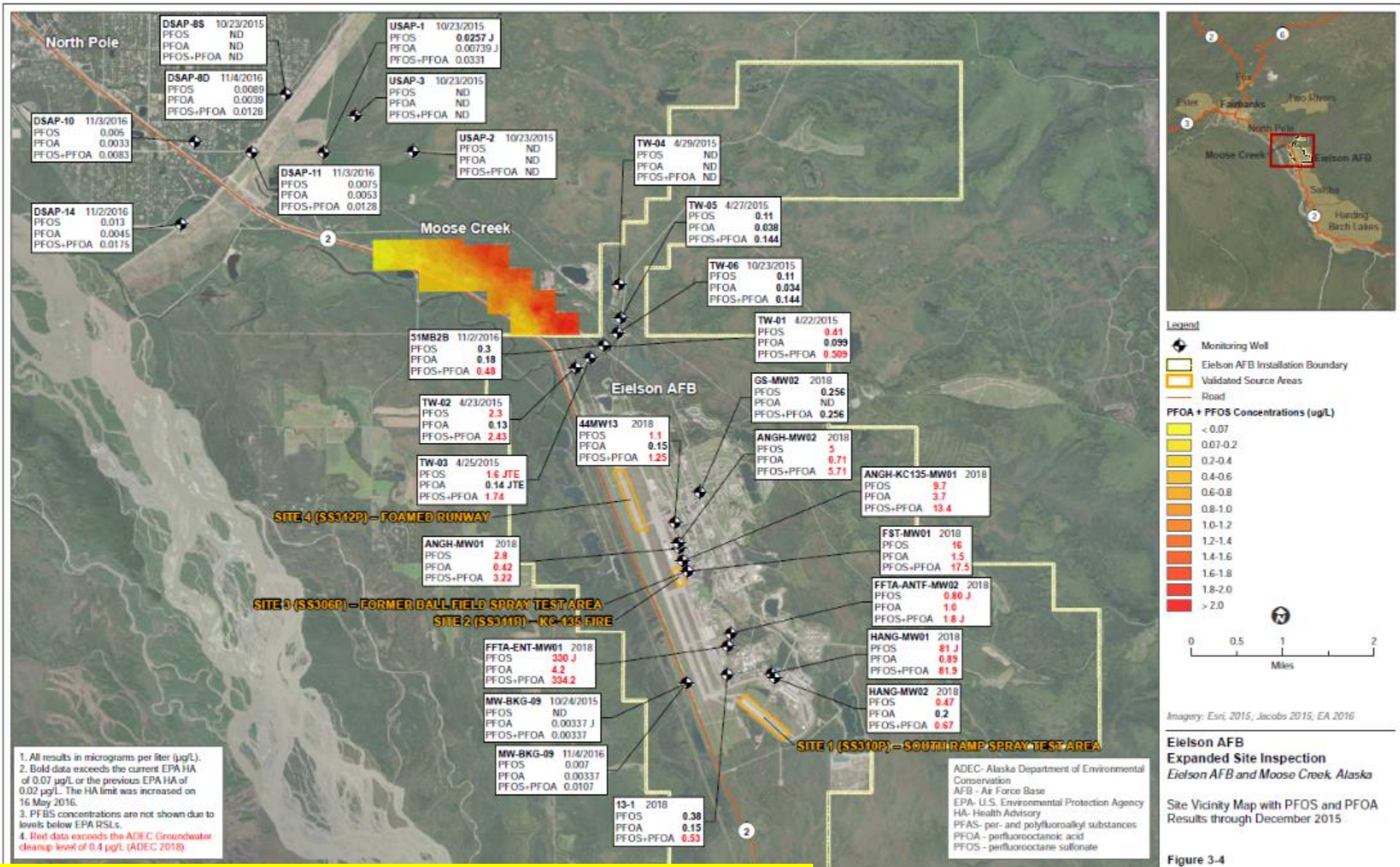


Figure 4. 2021 PFOS/PFOA Concentrations - Northwest Monitoring Well Area



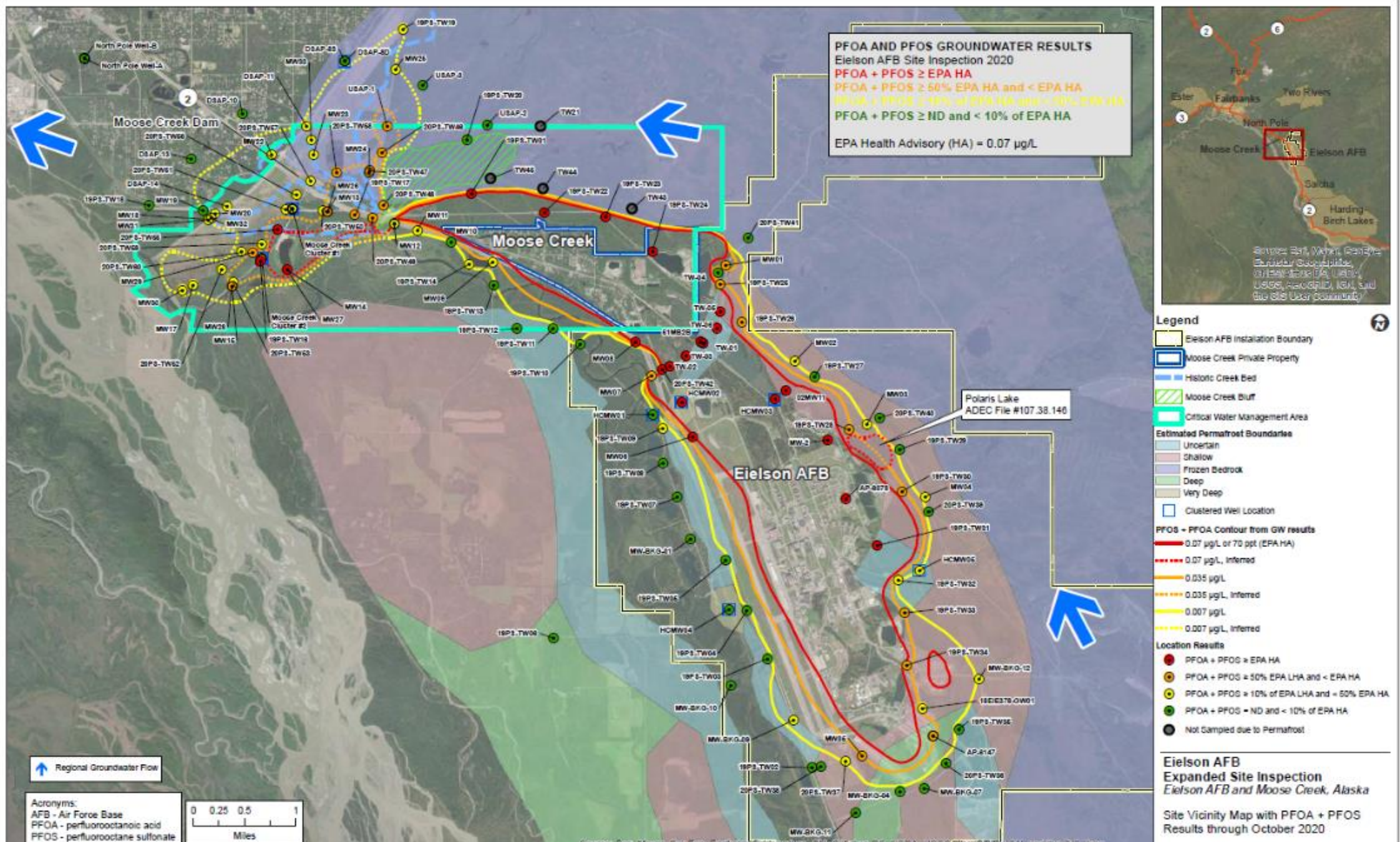
Source: Expanded PFOS, PFOA, and PFBS Site Inspection Report July 2022





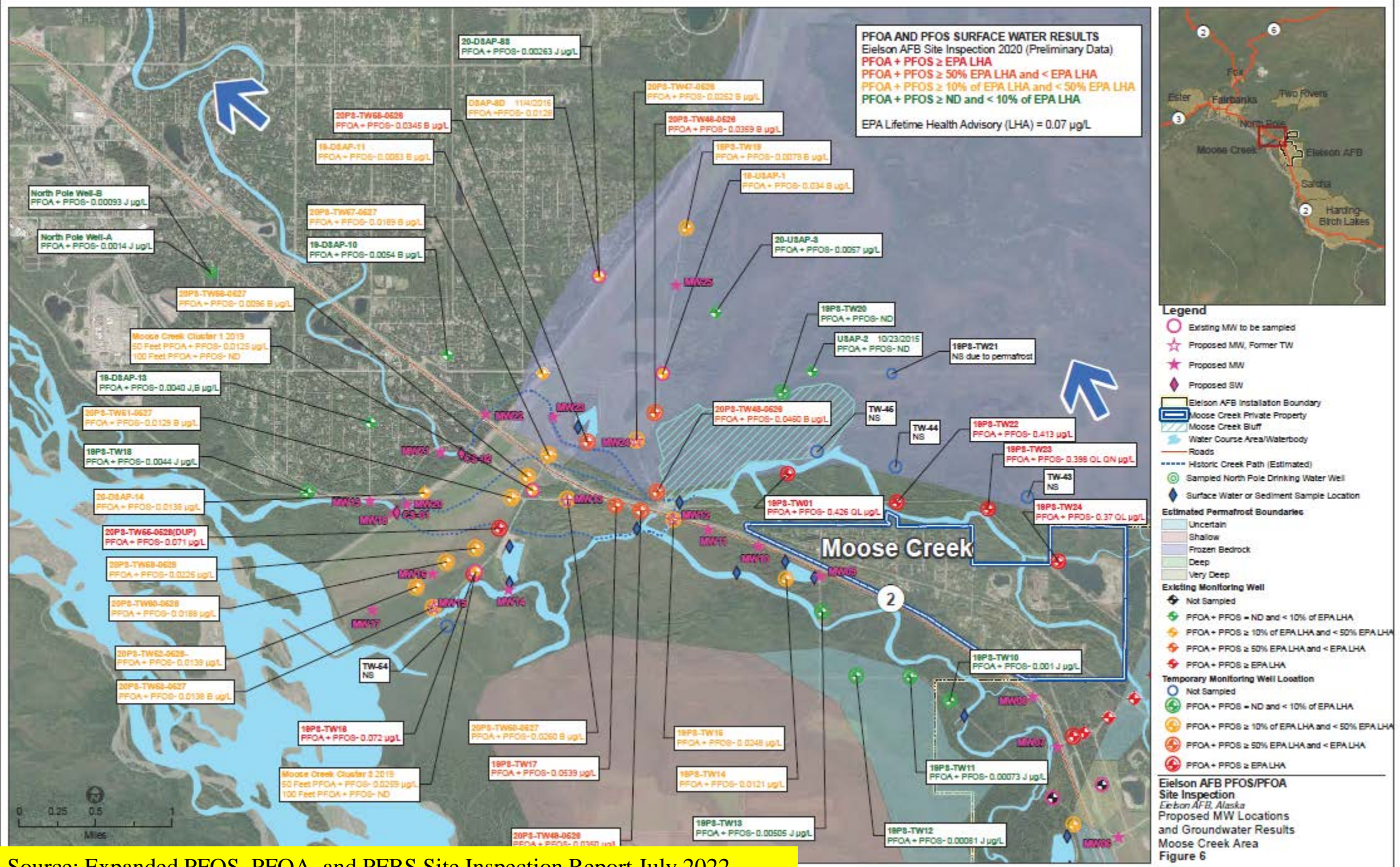
Source: Expanded PFOS, PFOA, and PFBS Site Inspection Report July 2022

Figure 5-3



Source: Expanded PFOS, PFOA, and PFBS Site Inspection Report July 2022

Figure 6-1



Source: Expanded PFOS, PFOA, and PFBS Site Inspection Report July 2022