

Appendix D

Results tables

Appendix D
Table D1
Groundwater Levels and Field Parameters

Location ID	Sample Date	Well Depth (m)		TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	Sample Comments
		bTOC	Screen Interval									
0967 MW015	1/11/2016	-	0.5 - 4	45.27	-	-	-	337.5	6.38	1.49	78.3	
0967 MW015	20/09/2017	-	0.5 - 4	45.27	1.012	44.258	-	372.3	5.9	1.67	129.3	
0967 MW015	6/03/2019	-	0.5 - 4	45.27	1.851	43.419	-	585	6.65	1.06	86.7	
0967 MW015	29/10/2019	-	0.5 - 4	45.27	1.375	43.895	-	630	6.2	0.01	44.8	
0967 MW015	29/10/2019	-	0.5 - 4	45.27	1.375	43.895	-	630	6.2	0.01	44.8	Clear
0967 MW015	12/05/2020	-	0.5 - 4	45.27	0.98	44.29	-	1,085	6.25	1.18	46.4	
0967 MW015	13/10/2020	-	0.5 - 4	45.27	1.09	44.18	-	1,115	5.96	1.51	90	
0967 MW015	29/04/2021	-	0.5 - 4	45.27	2.03	43.24	-	585	6.53	3.72	100.5	Brown
0967 MW015	20/09/2021	-	0.5 - 4	45.27	0.9	44.37	-	1,035	6.55	1.56	-83.5	Brown
0967 MW015	26/09/2022	-	0.5 - 4	45.27	0.79	44.48	-	797	6.34	1.38	58.5	Clear
0967 MW015	24/04/2023	-	0.5 - 4	45.27	2.13	43.14	-	677	6.61	1.05	-22.7	
0967 MW015	25/09/2023	-	0.5 - 4	45.27	1.02	44.25	-	636	6.3	2.25	-10.9	Clear
0967 MW015	17/04/2024	-	0.5 - 4	45.27	1.86	43.41	-	509	6.33	1.18	129.3	
0967 MW015	28/11/2024	4.592	0.5 - 4	45.27	1.436	43.834	21.5	829	6.38	0.51	-21.1	Colourless, clear, low sediment load, no sheen, no odour
0967 MW015	3/02/2025	-	0.5 - 4	45.27	1.82	43.45	-	782	6.28	1	94.1	Clear, colourless, becoming slightly turbid at base of HS, no odour, no sheen
0967 MW015	8/04/2025	4.626	0.5 - 4	45.27	1.826	43.444	24.5	865	6.31	0.97	-181.5	no colour, no odour, no sheen, low turbidity, brown sediment at the bottom of the hydrasleeve
0967 MW052	1/11/2016	-	0.7 - 5	44.834	-	-	-	936	6.92	2.73	68.5	
0967 MW052	1/11/2016	-	0.7 - 5	44.834	-	-	-	936	6.92	2.73	68.5	
0967 MW052	19/09/2017	-	0.7 - 5	44.834	2.059	42.775	-	1,046	6.34	3.9	106.3	
0967 MW052	19/09/2017	-	0.7 - 5	44.834	2.059	42.775	-	1,046	6.34	3.9	106.3	
0967 MW052	29/10/2019	-	0.7 - 5	44.834	3.636	41.198	-	1,105	6.64	0.61	85.9	
0967 MW052	29/10/2019	-	0.7 - 5	44.834	3.636	41.198	-	1,105	6.64	0.61	85.9	Brown
0967 MW052	12/05/2020	-	0.7 - 5	44.834	5	39.834	-	1,427	6.91	6.29	47.5	Brown
0967 MW052	13/10/2020	-	0.7 - 5	44.834	3.25	41.584	-	1,123	6.36	3.5	45.7	
0967 MW052	29/04/2021	-	0.7 - 5	44.834	5.075	39.759	-	719	6.62	4.78	8.1	Brown
0967 MW052	20/09/2021	-	0.7 - 5	44.834	1.56	43.274	-	999	7.03	0.49	-52.8	Brown
0967 MW052	26/09/2022	-	0.7 - 5	44.834	1.03	43.804	-	920	6.69	0.63	34.2	Cloudy
0967 MW052	24/04/2023	-	0.7 - 5	44.834	5.18	39.654	-	927	6.92	1.66	3.2	Almost dry, handbailed
0967 MW052	25/09/2023	-	0.7 - 5	44.834	1.39	43.444	-	1,031	6.51	3.81	-10	Clear
0967 MW052	17/04/2024	-	0.7 - 5	44.834	4.11	40.724	-	1,213	6.56	2.71	89.6	
0967 MW052	8/12/2024	5.45	0.7 - 5	44.834	3.874	40.96	24.7	1,150	6.66	3.26	-24.2	Light brown, low to moderate sediment load, no sheen, no odour
0967 MW052	4/02/2025	-	0.7 - 5	44.834	4.88	39.954	-	1,185	6.8	4.32	38.5	Red/brown, very turbid, no odour, no sheen
0967 MW053	1/11/2016	-	1 - 6	45.265	-	-	-	770	6.97	3.45	69.3	
0967 MW053	19/09/2017	-	1 - 6	45.265	2.352	42.913	-	580	6.35	4.67	119.7	
0967 MW053	6/03/2019	-	1 - 6	45.265	5.941	39.324	-	804	7.19	1.78	47.4	
0967 MW053	29/10/2019	-	1 - 6	45.265	3.73	41.535	-	873	6.64	2.13	63.8	
0967 MW053	29/10/2019	-	1 - 6	45.265	3.73	41.535	-	873	6.64	2.13	63.8	Brown
0967 MW053	13/10/2020	-	1 - 6	45.265	2.85	-	-	926	6.38	5.65	68.6	
0967 MW053	20/09/2021	-	1 - 6	45.265	1.25	44.015	-	832	7.09	3.55	-30.5	
0967 MW053	26/09/2022	-	1 - 6	45.265	1.095	44.17	-	802	6.74	2.87	46.6	Cloudy,Brown
0967 MW053	25/09/2023	-	1 - 6	45.265	1.6	43.665	-	474	6.7	6.26	-11.9	Clear
0967 MW053	17/04/2024	-	1 - 6	45.265	6.03	39.235	-	902	6.39	3.04	137.8	
0967 MW053	28/11/2024	6.337	1 - 6	45.265	4.374	40.891	22.6	1,006	6.53	2.99	-18.7	Light brown, low to moderate sediment load, no sheen, no odour
0967 MW053	3/02/2025	-	1 - 6	45.265	5.54	39.725	-	1,763	6.35	2.78	23.5	Red/brown, very turbid, no odour, no sheen
0967 MW055	1/11/2016	-	0.7 - 5	45.932	-	-	-	558	7.22	4.87	70	
0967 MW055	19/09/2017	-	0.7 - 5	45.932	1.951	43.981	-	579	6.98	2.35	108.3	
0967 MW055	29/10/2019	-	0.7 - 5	45.932	3.732	42.2	-	668	6.84	5.56	66.6	
0967 MW055	29/10/2019	-	0.7 - 5	45.932	3.732	42.2	-	668	6.84	5.56	66.6	Clear
0967 MW055	12/05/2020	-	0.7 - 5	45.932	4.069	41.863	-	800	6.89	4.81	35.5	Clear
0967 MW055	20/09/2021	-	0.7 - 5	45.932	2.45	43.482	-	678	7.18	5.54	-27.1	
0967 MW055	26/09/2022	-	0.7 - 5	45.932	2.263	43.669	-	594	7.11	4.49	35.9	Clear
0967 MW055	25/09/2023	-	0.7 - 5	45.932	2.82	43.112	-	672	7.07	4.68	-8.4	Clear
0967 MW055	29/11/2024	4.914	0.7 - 5	45.932	3.818	42.114	21.5	450.4	7.09	4.45	21.6	Colourless, clear, low sediment load, no sheen, no odour
0967 MW101	1/11/2016	-	10.1 - 13.1	45.279	8.453	36.826	-	8,249	5.49	2.01	78.2	
0967 MW101	20/09/2017	-	10.1 - 13.1	45.279	8.556	36.723	-	3,143	6.17	0.96	105.3	
0967 MW101	6/03/2019	-	10.1 - 13.1	45.279	8.423	36.856	-	46,936	6.35	2.81	123.9	
0967 MW101	29/10/2019	-	10.1 - 13.1	45.279	8.57	36.709	-	8,828	5.58	0.04	52.5	
0967 MW101	29/10/2019	-	10.1 - 13.1	45.279	8.57	36.709	-	8,828	5.58	0.04	52.5	Clear
0967 MW101	12/05/2020	-	10.1 - 13.1	45.279	8.85	36.429	-	8,041	6.02	1.38	12.8	
0967 MW101	13/10/2020	-	10.1 - 13.1	45.279	8.63	36.649	-	5,445	6.12	0.98	-202.2	
0967 MW101	29/04/2021	-	10.1 - 13.1	45.279	8.89	36.389	-	4,610	6.77	1.64	-40.9	Yellow, Rotten Egg
0967 MW101	20/09/2021	-	10.1 - 13.1	45.279	8.82	36.459	-	3,484	6.69	2.31	-45.2	Yellow, H2S odour
0967 MW101	28/04/2022	-	10.1 - 13.1	45.279	8.75	36.529	-	4,314	7.05	1.08	-266.4	
0967 MW101	26/09/2022	-	10.1 - 13.1	45.279	8.712	36.567	-	2,850	6.74	3.25	58.8	Cloudy
0967 MW101	24/04/2023	-	10.1 - 13.1	45.279	8.77	36.509	-	5,503	6.23	2.33	-98.2	
0967 MW101	25/09/2023	-	10.1 - 13.1	45.279	8.86	36.419	-	262.1	6.1	2.22	-87	Clear
0967 MW101	17/04/2024	-	10.1 - 13.1	45.279	8.84	36.439	-	1,433	7.4	1.86	67.9	
0967 MW101	29/11/2024	11.516	10.1 - 13.1	45.279	9.41	35.869	22	1,516	7.42	3.77	14	Light yellow, low sediment load, no sheen, no odour
0967 MW101	3/02/2025	-	10.1 - 13.1	45.279	9.08	36.199	-	2,993	6.7	4.51	91.3	Slightly turbid, pale yellow, no odour, no sheen
0967 MW101	8/04/2025	11.634	10.1 - 13.1	45.279	9.213	36.066	25.2	3,467	6.97	3.4	-193.4	pale yellow, no odour, no sheen, no turbidity, brown sediment at the bottom of the hydrasleeve
0967 MW102	1/11/2016	-	8.3 - 12.8	44.744	8.021	36.723	-	6,844	6.11	0.91	2.7	
0967 MW102	19/09/2017	-	8.3 - 12.8	44.744	8.125	36.619	-	6,880	5.36	0.77	113.8	
0967 MW102	6/03/2019	-	8.3 - 12.8	44.744	7.98	36.764	-	6,596	5.62	0.89	153.9	
0967 MW102	29/10/2019	-	8.3 - 12.8	44.744	8.035	36.709	-	7,747	5.06	0.24	150	
0967 MW102	29/10/2019	-	8.3 - 12.8	44.744	8.035	36.709	-	7,747	5.06	0.24	150	Clear
0967 MW102	12/05/2020	-	8.3 - 12.8	44.744	8.9	35.844	-	5,617	5.17	11.9	56.5	
0967 MW102	13/10/2020	-	8.3 - 12.8	44.744	8.2	36.544	-	7,115	5.12	1.24	-29.3	

Appendix D
Table D1
Groundwater Levels and Field Parameters

Location ID	Sample Date	Well Depth (m)		TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	Sample Comments
		bTOC	Screen Interval									
0967 MW102	29/04/2021	-	8.3 - 12.8	44.744	8.442	36.302	-	6,759	5.77	22.7	113.2	Yellow
0967 MW102	20/09/2021	-	8.3 - 12.8	44.744	8.4	36.344	-	7,357	5.89	0.6	-109.4	Yellow
0967 MW102	28/04/2022	-	8.3 - 12.8	44.744	8.42	36.324	-	7,693	6.65	1.26	-213.3	
0967 MW102	26/09/2022	-	8.3 - 12.8	44.744	8.29	36.454	-	6,906	5.16	0.84	81.2	Cloudy, bad smell
0967 MW102	24/04/2023	-	8.3 - 12.8	44.744	8.36	36.384	-	6,177	5.16	1.56	12.4	
0967 MW102	17/04/2024	-	8.3 - 12.8	44.744	8.04	36.704	-	7,093	5.11	1.55	201.1	cleared of broken hydrasleeves
0967 MW102	28/11/2024	13.018	8.3 - 12.8	44.744	-	-	23.7	7,118	5.17	1.83	-22	Colourless, clear, low sediment load, no sheen, no odour
0967 MW102	4/02/2025	-	8.3 - 12.8	44.744	8.63	36.114	-	7,021	5.07	2.64	162.1	Colourless, slightly turbid, trace sediments, no odour, no sheen
0967 MW102	8/04/2025	13.022	8.3 - 12.8	44.744	8.733	36.011	22.1	7,047	5.03	1.36	-193.8	no colour, no odour, no sheen, no turbidity
0967 MW103	1/11/2016	-	11 - 15.5	44.082	9.589	34.493	-	4,535	5.71	2.54	65.3	
0967 MW103	18/09/2017	-	11 - 15.5	44.082	9.728	34.354	-	4,824	6.66	1.83	-16.9	
0967 MW103	5/03/2019	-	11 - 15.5	44.082	9.851	34.231	-	4,491	6.8	4.14	76	
0967 MW103	28/10/2019	-	11 - 15.5	44.082	9.685	34.397	-	3,760	7.37	0.31	-56.7	
0967 MW103	28/10/2019	-	11 - 15.5	44.082	9.685	34.397	-	3,760	7.37	0.31	-56.7	Clear
0967 MW103	12/05/2020	-	11 - 15.5	44.082	15.5	28.582	-	4,324	5.6	0.83	49.7	Clear
0967 MW103	13/10/2020	-	11 - 15.5	44.082	9.92	34.162	-	4,408	5.18	1.38	108.3	
0967 MW103	29/04/2021	-	11 - 15.5	44.082	10.449	33.633	-	4,729	5.62	1.67	111.5	Clear
0967 MW103	20/09/2021	-	11 - 15.5	44.082	10.1	33.982	-	4,234	6.17	1.8	-13.9	Clear
0967 MW103	29/10/2021	-	11 - 15.5	44.082	9.991	34.091	-	4,730	5.39	1.47	-102.4	No odour, no sheen, colourless, low turbidity
0967 MW103	28/04/2022	-	11 - 15.5	44.082	10.46	33.622	-	5,174	5.32	1.94	-18.1	
0967 MW103	22/09/2022	-	11 - 15.5	44.082	10	34.082	-	772	7.36	4.8	58.1	Cloudy
0967 MW103	17/04/2023	-	11 - 15.5	44.082	10.51	33.572	-	4,887	5.33	2.54	41.8	
0967 MW103	25/09/2023	-	11 - 15.5	44.082	10.18	33.902	-	5,047	5.45	2.93	-220.7	Black, hydrogen sulfur odour
0967 MW103	17/04/2024	-	11 - 15.5	44.082	10.75	33.332	-	5,123	5.26	2.83	188.8	Clear
0967 MW103	29/11/2024	15.793	11 - 15.5	44.082	10.392	33.69	21.8	4,271	5.81	1.31	9	Colourless and clear at top, orange at the bottom, low (top) to high (bottom) sediment load, no sheen, no odour
0967 MW103	7/04/2025	15.744	11 - 15.5	44.082	10.882	33.2	23.6	4,850	5.2	1.03	-230.9	clear, low turbidity, limited brown sediment, no sheen, odour
0967 MW104	31/10/2016	-	8 - 14	40.244	6.962	33.282	-	4,304	5.94	1.38	-0.5	
0967 MW104	31/10/2016	-	8 - 14	40.244	6.962	33.282	-	4,304	5.94	1.38	-0.5	
0967 MW104	18/09/2017	-	8 - 14	40.244	7.159	33.085	-	4,676	5.81	1.24	46.3	
0967 MW104	18/09/2017	-	8 - 14	40.244	7.159	33.085	-	4,676	5.81	1.24	46.3	
0967 MW104	5/03/2019	-	8 - 14	40.244	7.446	32.798	-	4,592	5.94	1.97	84.2	
0967 MW104	29/10/2019	-	8 - 14	40.244	7.222	33.022	-	4,917	5.93	0.34	67.8	
0967 MW104	29/10/2019	-	8 - 14	40.244	7.222	33.022	-	4,917	5.93	0.34	67.8	Clear
0967 MW104	12/05/2020	-	8 - 14	40.244	14	26.244	-	4,219	5.56	2.09	66.1	Hydrasleeve broken, well sharp inside, also damaged bailer
0967 MW104	22/10/2020	-	8 - 14	40.244	7.506	32.738	-	4,850	5.56	1.09	40.5	Brown
0967 MW104	29/04/2021	-	8 - 14	40.244	8.34	31.904	-	4,674	5.79	2.1	77.2	Clear
0967 MW104	13/08/2021	-	8 - 14	40.244	7.68	32.564	-	5,121	5.81	1.56	28.1	Pale light brown, organic odour, no sheen, low to moderate sediment load
0967 MW104	20/09/2021	-	8 - 14	40.244	7.63	32.614	-	4,908	5.59	2.79	18.5	Clear
0967 MW104	21/04/2022	-	8 - 14	40.244	8.14	32.104	-	4,970	5.51	2.01	104.8	
0967 MW104	26/09/2022	-	8 - 14	40.244	7.542	32.702	-	4,842	5.4	4.01	47.5	Cloudy
0967 MW104	12/04/2023	-	8 - 14	40.244	8.225	32.019	-	3,175	5.48	2.32	77.9	
0967 MW104	25/09/2023	-	8 - 14	40.244	7.79	32.454	-	4,815	5.23	2.9	-2.3	Brown
0967 MW104	16/04/2024	-	8 - 14	40.244	8.51	31.734	-	5,069	5.05	1.92	154.5	Brown
0967 MW104	29/11/2024	14.549	8 - 14	40.244	7.987	32.257	22.2	4,986	4.97	0.71	7.9	Colourless and clear (top) to orange (bottom), low sediment load (top) to moderate sediment load (bottom), no sheen, no odour
0967 MW104	7/04/2025	14.404	8 - 14	40.244	8.634	31.61	23.4	4,988	4.98	0.89	-187	brown orange colour, sediment at base, mild turbidity, no sheen, no odour
0967 MW105	31/10/2016	-	9 - 12	40.072	6.814	33.258	-	4,268	6.25	1.21	61.2	
0967 MW105	31/10/2016	-	9 - 12	40.072	6.814	33.258	-	4,268	6.25	1.21	61.2	
0967 MW105	19/09/2017	-	9 - 12	40.072	6.992	33.08	-	3,035.5	5.84	1.39	21	
0967 MW105	5/03/2019	-	9 - 12	40.072	7.291	32.781	-	4,345	6.54	1.96	50.1	
0967 MW105	29/10/2019	-	9 - 12	40.072	7.074	32.998	-	5,230	6.02	0.07	-7.1	
0967 MW105	29/10/2019	-	9 - 12	40.072	7.074	32.998	-	5,230	6.02	0.07	-7.1	Clear
0967 MW105	12/05/2020	-	9 - 12	40.072	12	28.072	-	4,185	5.79	1.75	55	Clear
0967 MW105	22/10/2020	-	9 - 12	40.072	7.36	32.712	-	4,254	5.7	3.08	53.6	Cloudy
0967 MW105	29/04/2021	-	9 - 12	40.072	8.168	31.904	-	4,352	6.01	1.23	13.4	Clear
0967 MW105	13/08/2021	-	9 - 12	40.072	12	28.072	-	4,761	6.01	1.96	-39.9	Pale brown, no odour, no sheen and low sediment load
0967 MW105	20/09/2021	-	9 - 12	40.072	7.73	32.342	-	4,576	6.34	4.32	-14.1	Clear
0967 MW105	21/04/2022	-	9 - 12	40.072	7.95	32.122	-	4,531	6.04	1.22	58.8	
0967 MW105	26/09/2022	-	9 - 12	40.072	7.347	32.725	-	4,517	6.37	5.15	41.4	Cloudy
0967 MW105	12/04/2023	-	9 - 12	40.072	8.035	32.037	-	4,158	6.06	0.94	81.6	
0967 MW105	25/09/2023	-	9 - 12	40.072	7.6	32.472	-	4,711	5.58	1.35	-1.5	Clear
0967 MW105	16/04/2024	-	9 - 12	40.072	8.31	31.762	-	2,856	6.15	4.98	41.6	Clear
0967 MW105	8/12/2024	12.297	9 - 12	40.072	7.823	32.249	21.7	4,508	6.13	2.32	7.7	Colourless, clear, low sediment load, no sheen, no odour
0967 MW105	7/04/2025	12.331	9 - 12	40.072	8.443	31.629	21.6	4,571	6.02	1.85	-172.9	clear, low turbidity, no sediment, no odour, no sheen
0967 MW107	31/10/2016	-	10.9 - 16.9	46.671	8.698	37.973	-	765.2	5.35	2.38	71.8	
0967 MW107	19/09/2017	-	10.9 - 16.9	46.671	8.832	37.839	-	8,788	5.51	1.1	-53.8	
0967 MW107	5/03/2019	-	10.9 - 16.9	46.671	8.788	37.883	-	8,304	6.38	2.4	56.6	
0967 MW107	29/10/2019	-	10.9 - 16.9	46.671	8.705	37.966	-	10,372	5.76	0.15	9.9	
0967 MW107	29/10/2019	-	10.9 - 16.9	46.671	8.705	37.966	-	10,372	5.76	0.15	9.9	Clear
0967 MW107	12/05/2020	-	10.9 - 16.9	46.671	8.874	37.797	-	8,946	5.44	1.87	55.7	Clear
0967 MW107	13/10/2020	-	10.9 - 16.9	46.671	8.71	37.961	-	8,498	6.51	2.21	-134.1	
0967 MW107	29/04/2021	-	10.9 - 16.9	46.671	9.27	37.401	-	7,884	5.5	1.73	-9.1	Clear
0967 MW107	20/09/2021	-	10.9 - 16.9	46.671	9.02	37.651	-	8,588	7.26	0.94	-102.9	Clear
0967 MW107	28/04/2022	-	10.9 - 16.9	46.671	9.21	37.461	-	8,322	4.22	3.43	53.5	
0967 MW107	26/09/2022	-	10.9 - 16.9	46.671	8.665	38.006	-	8,531	6.09	2.26	68	Cloudy, smelly water
0967 MW107	24/04/2023	-	10.9 - 16.9	46.671	9.1	37.571	-	8,363	5.82	3.62	87.4	
0967 MW107	25/09/2023	-	10.9 - 16.9	46.671	9	37.671	-	9,272	5.73	2.37	-13.7	Clear
0967 MW107	17/04/2024	-	10.9 - 16.9	46.671	9.4	37.271	-	9,481	5.5	1.17	155.3	Clear

Appendix D
Table D1
Groundwater Levels and Field Parameters

Location ID	Sample Date	Well Depth (m)		TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	Sample Comments
		bTOC)	Screen Interval									
0967 MW107	28/11/2024	16.036	10.9 - 16.9	46.671	-	-	24.9	9,157	5.07	0.97	-22.1	Colourless, clear, low sediment load, no sheen, no odour
0967 MW107	7/04/2025	16.216	10.9 - 16.9	46.671	9.492	37.179	26.6	9,307	5.11	0.67	-227.5	clear, low turbidity, small gray sediment, no sheen, no odour
0967 MW109	31/10/2016	-	7 - 12.5	47.266	9.354	37.912	-	9,351	4.47	1.39	113.8	
0967 MW109	31/10/2016	-	7 - 12.5	47.266	9.354	37.912	-	9,351	4.47	1.39	113.8	
0967 MW109	19/09/2017	-	7 - 12.5	47.266	10.499	36.767	-	9,274	4.13	1.43	247.4	
0967 MW109	5/03/2019	-	7 - 12.5	47.266	9.441	37.825	-	9,129	5.05	2.75	181.4	
0967 MW109	29/10/2019	-	7 - 12.5	47.266	9.372	37.894	-	10,357	6.11	1.01	19.9	
0967 MW109	29/10/2019	-	7 - 12.5	47.266	9.372	37.894	-	10,357	6.11	1.01	19.9	Clear
0967 MW109	12/05/2020	-	7 - 12.5	47.266	9.85	37.416	-	9,138	4.62	2.51	68.5	
0967 MW109	13/10/2020	-	7 - 12.5	47.266	9.535	37.731	-	9,510	5	2.63	-4.5	
0967 MW109	29/04/2021	-	7 - 12.5	47.266	9.993	37.273	-	8,263	4.31	1.19	260.3	Cloudy
0967 MW109	20/09/2021	-	7 - 12.5	47.266	9.68	37.586	-	9,008	4.41	1.36	-26.9	Cloudy
0967 MW109	28/04/2022	-	7 - 12.5	47.266	9.865	37.401	-	9,087	4.74	0.94	15.1	
0967 MW109	26/09/2022	-	7 - 12.5	47.266	9.577	37.689	-	8,508	3.89	1.15	125.6	Cloudy
0967 MW109	24/04/2023	-	7 - 12.5	47.266	9.76	37.506	-	8,155	5.13	0.7	-34.3	
0967 MW109	25/09/2023	-	7 - 12.5	47.266	9.715	37.551	-	8,221	5.41	3.45	-23.3	Clear
0967 MW109	17/04/2024	-	7 - 12.5	47.266	10.07	37.196	-	8,757	5.19	0.67	59.2	Brown
0967 MW109	28/11/2024	12.554	7 - 12.5	47.266	9.856	37.41	25.1	7,771	4.56	3.46	-24.3	Colourless, clear, low sediment load, no sheen, no odour
0967 MW109	7/04/2025	12.542	7 - 12.5	47.266	10.216	37.05	26.3	8,009	4.3	0.73	-233	clear, low turbidity, some sediment at bottom of hs, no sheen, no odour
0967 MW110	31/10/2016	-	12.5 - 18.5	47.921	10.122	37.799	-	6,369	5.91	1.19	43.9	
0967 MW110	31/10/2016	-	12.5 - 18.5	47.921	10.122	37.799	-	6,369	5.91	1.19	43.9	
0967 MW110	20/09/2017	-	12.5 - 18.5	47.921	10.306	37.615	-	11,120	5.92	1.09	-67.9	
0967 MW110	5/03/2019	-	12.5 - 18.5	47.921	10.151	37.77	-	11,534	6.14	2.61	27.8	
0967 MW110	29/10/2019	-	12.5 - 18.5	47.921	10.152	37.769	-	12,673	5.56	0.1	43.2	
0967 MW110	29/10/2019	-	12.5 - 18.5	47.921	10.152	37.769	-	12,673	5.56	0.1	43.2	Clear,Brown
0967 MW110	12/05/2020	-	12.5 - 18.5	47.921	10.62	37.301	-	8,380	5.67	30.4	65.5	
0967 MW110	13/10/2020	-	12.5 - 18.5	47.921	10.33	37.591	-	6,008	5.52	1.46	53.1	
0967 MW110	29/04/2021	-	12.5 - 18.5	47.921	10.665	37.256	-	7,362	5.5	2.6	94.9	Brown
0967 MW110	20/09/2021	-	12.5 - 18.5	47.921	10.45	37.471	-	2,847	5.86	1.96	-72.1	Brown
0967 MW110	28/04/2022	-	12.5 - 18.5	47.921	10.497	37.424	-	3,120	5.9	2.5	-21.1	
0967 MW110	26/09/2022	-	12.5 - 18.5	47.921	10.345	37.576	-	1,543	6.16	1.7	69.9	Cloudy,Brown
0967 MW110	24/04/2023	-	12.5 - 18.5	47.921	10.5	37.421	-	3,839	5.85	1.99	52.7	
0967 MW110	25/09/2023	-	12.5 - 18.5	47.921	12.16	35.761	-	4,799	5.54	1.31	-1.1	Clear
0967 MW110	17/04/2024	-	12.5 - 18.5	47.921	10.86	37.061	-	754	6.16	2.84	82.8	Clear
0967 MW110	28/11/2024	17.604	12.5 - 18.5	47.921	10.621	37.3	25	2,958	5.53	1.57	-21.1	Colourless and clear (top), light brown and moderate sediment load (bottom), no sheen, no odour
0967 MW110	7/04/2025	17.612	12.5 - 18.5	47.921	10.977	36.944	27.8	5,384	5.26	1.05	-211.9	clear, moderate turbidity, brown/orange sediment, no sheen, no odour
0967 MW112	1/11/2016	-	11.9 - 17.9	51.291	13.499	37.792	-	3,781	5.48	1.01	56.6	
0967 MW112	28/09/2017	-	11.9 - 17.9	51.291	13.612	37.679	-	3,973	5.26	1.91	97.6	
0967 MW112	6/03/2019	-	11.9 - 17.9	51.291	13.411	37.88	-	3,897	5.31	1.34	115.7	
0967 MW112	23/10/2019	-	11.9 - 17.9	51.291	13.326	37.965	-	4,137	5.09	2.49	245.9	
0967 MW112	23/10/2019	-	11.9 - 17.9	51.291	13.326	37.965	-	4,137	5.09	2.49	245.9	Clear
0967 MW112	4/05/2020	-	11.9 - 17.9	51.291	13.84	37.451	-	3,453	5.16	8.27	72.8	Clear
0967 MW112	12/10/2020	-	11.9 - 17.9	51.291	13.63	37.661	-	4,048	5.54	1.44	-114	Clear,Cloudy
0967 MW112	20/04/2021	-	11.9 - 17.9	51.291	13.964	37.327	-	4,288	6.37	1.27	-10.4	Clear
0967 MW112	8/09/2021	-	11.9 - 17.9	51.291	13.78	37.511	-	4,219	6.01	0.81	-70.4	Clear
0967 MW112	29/10/2021	-	11.9 - 17.9	51.291	14.049	37.242	-	4,127	6.05	3.61	-5.9	No odour, no sheen, pale brown, low turbidity
0967 MW112	19/04/2022	-	11.9 - 17.9	51.291	13.97	37.321	-	3,860	5.39	1.25	-171.7	
0967 MW112	22/09/2022	-	11.9 - 17.9	51.291	13.673	37.618	-	3,898	4.97	0.74	104.5	Clear
0967 MW112	19/11/2022	-	11.9 - 17.9	51.291	-	-	-	4,055	5.19	2.29	147.4	No odour, no sheen, pale grey-yellow, low turbidity
0967 MW112	12/04/2023	-	11.9 - 17.9	51.291	13.83	37.461	-	4,011	5.19	0.72	0	
0967 MW112	13/09/2023	-	11.9 - 17.9	51.291	14.02	37.271	-	3,544	5.52	1.94	-56.4	Clear
0967 MW112	5/10/2023	-	11.9 - 17.9	51.291	13.791	37.5	-	4,144	5.26	1.34	11.8	Cloudy, low to moderate turbidity, low sediment load, no sheen, moderate sulfidic odour
0967 MW112	17/04/2024	-	11.9 - 17.9	51.291	14.4	36.891	-	4,116	5.02	1.34	174.7	Cloudy
0967 MW112	9/09/2024	-	11.9 - 17.9	51.291	14.12	37.171	-	3,615	5.34	10.4	84.9	Clear, low turbidity, no odour
0967 MW112	29/11/2024	17.929	11.9 - 17.9	51.291	13.984	37.307	24.4	4,140	5.07	1.52	-33.9	Colourless, clear, low sediment load, no sheen, no odour
0967 MW112	17/12/2024	-	11.9 - 17.9	51.291	14.024	37.267	-	4,154.0	5.12	3.82	125.1	
0967 MW112	23/01/2025	-	11.9 - 17.9	51.291	14.173	37.118	-	4,146.0	4.83	14.8	110.9	
0967 MW112	9/04/2025	17.349	11.9 - 17.9	51.291	14.322	36.969	24.3	4,106	5.02	0.97	-206.2	clear, low turbidity, no sediment, no sheen, no odour
0967 MW113	1/11/2016	-	14 - 20	51.454	13.749	37.705	-	2,974	6.89	2.12	-45.7	
0967 MW113	28/09/2017	-	14 - 20	51.454	13.854	37.6	-	2,228	6.27	1.78	-61	
0967 MW113	23/10/2019	-	14 - 20	51.454	13.62	37.834	-	2,452	5.21	0.29	-14.6	
0967 MW113	23/10/2019	-	14 - 20	51.454	13.62	37.834	-	2,452	5.21	0.29	-14.6	Clear
0967 MW113	4/05/2020	-	14 - 20	51.454	14.125	37.329	-	1,888	5.93	8.92	52.9	Clear
0967 MW113	12/10/2020	-	14 - 20	51.454	13.875	37.579	-	2,911	5.32	1.37	-95.7	Clear
0967 MW113	20/04/2021	-	14 - 20	51.454	14.214	37.24	-	949	6.28	2.17	-60.5	QC110/210, Cloudy
0967 MW113	20/09/2021	-	14 - 20	51.454	14.01	37.444	-	2,951	6.11	1.17	-8.1	Cloudy
0967 MW113	29/10/2021	-	14 - 20	51.454	13.947	37.507	-	2,042	5.87	1.78	-120.4	Strong organic odour, no sheen, colourless, low turbidity
0967 MW113	19/04/2022	-	14 - 20	51.454	14.23	37.224	-	1,567	6.21	0.9	-132.1	
0967 MW113	22/09/2022	-	14 - 20	51.454	13.91	37.544	-	2,020	5.76	0.72	77.8	Clear
0967 MW113	20/11/2022	-	14 - 20	51.454	13.73	37.724	-	2,497	6.56	1.57	-51.5	No odour, no sheen, colourless, low turbidity
0967 MW113	12/04/2023	-	14 - 20	51.454	14.07	37.384	-	1,663	6.04	1.99	-79.3	
0967 MW113	13/09/2023	-	14 - 20	51.454	20	31.454	-	1,741	6.1	3.45	-49.5	Cloudy
0967 MW113	5/10/2023	-	14 - 20	51.454	14.034	37.42	-	1,848	6.08	1.29	10.6	Pale Yellow, low sedimental load, low turbidity, no sheen, no odour
0967 MW113	17/04/2024	-	14 - 20	51.454	14.42	37.034	-	1,678	5.94	1.12	131.8	Cloudy
0967 MW113	11/11/2024	-	14 - 20	51.454	14.241	37.213	-	1,518	5.83	1.82	61.3	Grey, moderate turbidity, no odour
0967 MW113	29/11/2024	19.414	14 - 20	51.454	14.241	37.213	23.9	1,612	6.01	0.68	-35.9	Colourless, clear, low sediment load, no sheen, hydrocarbon odour
0967 MW113	17/12/2024	-	14 - 20	51.454	14.204	37.25	-	2,848.0	5.35	0.63	27.1	

Appendix D
Table D1
Groundwater Levels and Field Parameters

Location ID	Sample Date	Well Depth (m)		TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	Sample Comments
		bTOC)	Screen Interval									
0967_MW113	23/01/2025	-	14 - 20	51.454	13.432	38.022	-	3,087.0	5.01	26.3	24.8	
0967_MW113	2/04/2025	19.396	14 - 20	51.454	14.586	36.868	22.3	1,718	5.92	0.77	-165.9	no colour, no odour, no sheen, slight turbidity, some grey sediment in hydrasleeve
0967_MW114	7/12/2016	-	10 - 16	44.274	1.34	42.934	-	829	6.1	2.64	119.1	
0967_MW114	28/09/2017	-	10 - 16	44.274	1.1	43.174	-	934	5.68	2.29	118.1	
0967_MW114	7/03/2019	-	10 - 16	44.274	2.328	41.946	-	917	5.16	2.15	120	
0967_MW114	7/11/2019	-	10 - 16	44.274	0	0	-	1,046	6.13	3.14	-23.9	
0967_MW114	7/11/2019	-	10 - 16	44.274	0	0	-	1,046	6.13	3.14	-23.9	Clear
0967_MW114	6/05/2020	-	10 - 16	44.274	2.52	41.754	-	1,079	5.26	3.94	72.9	Clear
0967_MW114	13/10/2020	-	10 - 16	44.274	1.1	43.174	-	964	5.06	4.45	161.3	Black,Brown
0967_MW114	19/04/2021	-	10 - 16	44.274	2.521	41.753	-	1,039	5.48	1.67	138.6	QC104/204, Clear
0967_MW114	10/09/2021	-	10 - 16	44.274	0.64	43.634	-	958	5.51	2.19	-30.3	Clear
0967_MW114	19/04/2022	-	10 - 16	44.274	2.53	41.744	-	1,753	7.2	2.87	-152.6	
0967_MW114	22/09/2022	-	10 - 16	44.274	0.56	43.714	-	964	5.51	2.86	99.4	Clear
0967_MW114	11/04/2023	-	10 - 16	44.274	2.465	41.809	-	967	5.48	-	29.6	
0967_MW114	14/09/2023	-	10 - 16	44.274	1.21	43.064	-	997	5.73	4.21	-1.3	Clear
0967_MW114	16/04/2024	-	10 - 16	44.274	2.61	41.664	-	980	5.5	0.99	127.4	Clear
0967_MW114	5/12/2024	15.86	10 - 16	44.274	1.885	42.389	24	1,020	5.3	0.99	-47.9	Colourless and clear (top) to brown (bottom), low sediment load (top), moderate sediment load (bottom), no sheen, no odour
0967_MW114	3/04/2025	15.584	10 - 16	44.274	2.807	41.467	23.8	980	5.53	0.73	-219.1	clear water, low turbidity, sediment at base, no sheen, ammonia smell
0967_MW115	7/12/2016	-	5.5 - 11.5	33.733	2.312	31.421	-	1,282	6.57	1.27	-28	
0967_MW115	18/09/2017	-	5.5 - 11.5	33.733	1.833	31.9	-	1,241	5.35	1.21	155.7	
0967_MW115	18/09/2017	-	5.5 - 11.5	33.733	1.833	31.9	-	1,241	5.35	1.21	155.7	
0967_MW115	6/03/2019	-	5.5 - 11.5	33.733	3.067	30.666	-	1,872	5.56	0.56	-50.5	
0967_MW115	30/10/2019	-	5.5 - 11.5	33.733	2.33	31.403	-	1,569	5.26	1	-87.1	
0967_MW115	30/10/2019	-	5.5 - 11.5	33.733	2.33	31.403	-	1,569	5.26	1	-87.1	Clear
0967_MW115	13/05/2020	-	5.5 - 11.5	33.733	3.41	30.323	-	2,131	6.32	1.79	-6	Black, H2S odour
0967_MW115	12/10/2020	-	5.5 - 11.5	33.733	2.154	31.579	-	1,900	4.92	1.34	114.2	Black,Brown,Cloudy
0967_MW115	19/04/2021	-	5.5 - 11.5	33.733	3.32	30.413	-	1,958	5.64	1.43	54	Clear
0967_MW115	9/09/2021	-	5.5 - 11.5	33.733	1.82	31.913	-	1,945	5.63	1.02	100.9	Clear
0967_MW115	20/04/2022	-	5.5 - 11.5	33.733	3.45	30.283	-	2,016	5.44	0.5	-2.6	
0967_MW115	22/09/2022	-	5.5 - 11.5	33.733	1.665	32.068	-	1,916	5.54	0.87	93.8	Cloudy
0967_MW115	12/04/2023	-	5.5 - 11.5	33.733	2.4	31.333	-	1,933	5.6	1.33	-180.6	
0967_MW115	13/09/2023	-	5.5 - 11.5	33.733	2.09	31.643	-	1,682	6.64	1.99	-39.2	Clear
0967_MW115	17/04/2024	-	5.5 - 11.5	33.733	3.63	30.103	-	1,953	5.41	1.89	190.9	Clear
0967_MW115	3/12/2024	11.851	5.5 - 11.5	33.733	2.424	31.309	22	2,026	5.42	1.05	-97	Colourless, clear, low sediment load, no sheen, sulphidic odour
0967_MW115	2/04/2025	11.779	5.5 - 11.5	33.733	3.471	30.262	27	2,011	5.13	0.8	-221.5	clear, low turbidity, grey sediment at base of sleeve, no sheen, no odour
0967_MW116	7/12/2016	-	13.8 - 18.3	51.664	15.327	36.337	-	4,315	6.35	2.35	-139.6	
0967_MW116	28/09/2017	-	13.8 - 18.3	51.664	15.374	36.29	-	4,971	5.62	0.83	32.2	
0967_MW116	7/03/2019	-	13.8 - 18.3	51.664	15.109	36.555	-	4,501	5.82	1.29	-18.9	
0967_MW116	29/10/2019	-	13.8 - 18.3	51.664	15.35	36.314	-	5,018	5.67	0.79	-89.9	
0967_MW116	29/10/2019	-	13.8 - 18.3	51.664	15.35	36.314	-	5,018	5.67	0.79	-89.9	Clear
0967_MW116	4/05/2020	-	13.8 - 18.3	51.664	15.575	36.089	-	4,114	5.13	14.45	-23.5	Clear
0967_MW116	12/10/2020	-	13.8 - 18.3	51.664	15.266	36.398	-	4,619	4.79	3.21	-60.7	Clear,Black
0967_MW116	19/04/2021	-	13.8 - 18.3	51.664	15.816	35.848	-	4,680	5.39	1.17	-25.6	QC106/206, Cloudy
0967_MW116	8/09/2021	-	13.8 - 18.3	51.664	15.62	36.044	-	5,022	5.81	0.32	-152.1	Cloudy
0967_MW116	19/04/2022	-	13.8 - 18.3	51.664	15.96	35.704	-	4,339	5.45	0.8	121.5	
0967_MW116	22/09/2022	-	13.8 - 18.3	51.664	15.386	36.278	-	4,949	5.02	0.71	100.8	Clear
0967_MW116	12/04/2023	-	13.8 - 18.3	51.664	15.73	35.934	-	4,979	5.36	0.66	-60.8	
0967_MW116	13/09/2023	-	13.8 - 18.3	51.664	15.56	36.104	-	4,532	5.23	1.44	-78.5	Cloudy
0967_MW116	15/04/2024	-	13.8 - 18.3	51.664	15.77	35.894	-	5,398	5.18	0.79	41.4	Clear
0967_MW116	29/11/2024	18.705	13.8 - 18.3	51.664	15.876	35.788	22.9	5,473	5.04	1.25	5.9	Colourless, clear, low sediment load, no sheen, no odour, dead bugs present
0967_MW116	1/04/2025	18.762	13.8 - 18.3	51.664	16.243	35.421	22.4	5,449	4.84	1.15	-132.3	no colour, little to no sediment, no odour, no sheen, no turbidity
0967_MW117	7/12/2016	-	15.1 - 18.1	44.6	10.805	33.795	-	3,794	5.69	2.12	-207	
0967_MW117	18/09/2017	-	15.1 - 18.1	44.6	10.959	33.641	-	4,535	5.71	1.01	-13.3	
0967_MW117	6/03/2019	-	15.1 - 18.1	44.6	11.016	33.584	-	4,484	6.04	4.64	86.1	
0967_MW117	29/10/2019	-	15.1 - 18.1	44.6	10.8	33.8	-	4,758	5.8	1.07	22.5	
0967_MW117	29/10/2019	-	15.1 - 18.1	44.6	10.8	33.8	-	4,758	5.8	1.07	22.5	Clear
0967_MW117	4/05/2020	-	15.1 - 18.1	44.6	11.517	33.083	-	4,299	5.06	15.2	84	Clear
0967_MW117	12/10/2020	-	15.1 - 18.1	44.6	11.151	33.449	-	4,656	5.52	1.72	-29	Cloudy,Black
0967_MW117	7/09/2021	-	15.1 - 18.1	44.6	11.38	33.22	-	4,799	5.58	2.57	114.7	
0967_MW117	29/10/2021	-	15.1 - 18.1	44.6	11.321	33.279	-	4,527	4.47	1.08	-11.1	No odour, no sheen, colourless, low turbidity
0967_MW117	19/04/2022	-	15.1 - 18.1	44.6	11.71	32.89	-	4,659	5.18	3.56	113.1	
0967_MW117	19/09/2022	-	15.1 - 18.1	44.6	11.22	33.38	-	4,266	5.16	1.97	0.4	Cloudy
0967_MW117	17/04/2023	-	15.1 - 18.1	44.6	11.75	32.85	-	4,542	4.55	2.59	69.7	
0967_MW117	11/09/2023	-	15.1 - 18.1	44.6	11.53	33.07	-	4,335	5.03	9.9	-75	Clear
0967_MW117	15/04/2024	-	15.1 - 18.1	44.6	12.05	32.55	-	4,674	4.79	1.27	199.8	
0967_MW117	3/12/2024	17.207	15.1 - 18.1	44.6	11.674	32.926	22.1	4,754	4.93	2.47	-31.9	Colourless, clear, low sediment load, no sheen, no odour
0967_MW117	1/04/2025	17.192	15.1 - 18.1	44.6	12.206	32.394	24.1	4,772	4.5	2.47	-143.4	no colour, no odour, no sheen, no turbidity
0967_MW118	7/12/2016	-	9.2 - 15.2	38.216	5.708	32.508	-	3,721	5.96	1.47	84.5	
0967_MW118	18/09/2017	-	9.2 - 15.2	38.216	5.815	32.401	-	3,812	5.66	1.24	17.4	
0967_MW118	5/03/2019	-	9.2 - 15.2	38.216	6.252	31.964	-	4,073	6.03	2.86	94.2	
0967_MW118	30/10/2019	-	9.2 - 15.2	38.216	5.87	32.346	-	4,067	4.93	0.78	178.1	
0967_MW118	30/10/2019	-	9.2 - 15.2	38.216	5.87	32.346	-	4,067	4.93	0.78	178.1	Clear
0967_MW118	4/05/2020	-	9.2 - 15.2	38.216	6.635	31.581	-	3,327	5.06	3.72	110.2	
0967_MW118	12/10/2020	-	9.2 - 15.2	38.216	6.245	31.971	-	3,982	5.41	3.11	48.7	Clear
0967_MW118	19/04/2021	-	9.2 - 15.2	38.216	6.6	31.616	-	4,244	5.56	1.32	56.8	
0967_MW118	13/08/2021	-	9.2 - 15.2	38.216	6.674	31.542	-	4,248	5.99	2.61	83.7	Colourless, no odour, no sheen, moderate sediment load (alage/other organic matter)
0967_MW118	7/09/2021	-	9.2 - 15.2	38.216	6.33	31.886	-	4,229	5.46	2.68	118.3	

Appendix D
Table D1
Groundwater Levels and Field Parameters

Location ID	Sample Date	Well Depth (m)		TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	Sample Comments
		bTOC	Screen Interval									
0967 MW118	19/04/2022	-	9.2 - 15.2	38.216	6.96	31.256	-	5,071	5.05	1.07	136.2	
0967 MW118	19/09/2022	-	9.2 - 15.2	38.216	6.255	31.961	-	4,001	5.43	1.18	12.6	Clear
0967 MW118	12/04/2023	-	9.2 - 15.2	38.216	7.086	31.13	-	4,486	5.05	1.01	94.9	
0967 MW118	11/09/2023	-	9.2 - 15.2	38.216	6.62	31.596	-	3,945	5.05	1.71	-73.4	Brown
0967 MW118	15/04/2024	-	9.2 - 15.2	38.216	7.4	30.816	-	2,910	5.58	0.86	39.5	Clear
0967 MW118	5/12/2024	15.414	9.2 - 15.2	38.216	6.711	31.505	22.7	4,290	4.81	0.97	-38.7	Colourless and clear (top) and orange (bottom), low sediment load (top) and moderate sediment load (bottom), no sheen, no odour
0967 MW118	1/04/2025	15.401	9.2 - 15.2	38.216	7.474	30.742	29.3	4,493	4.8	0.86	-191.1	pale brown, no odour, no sheen, sediment at the bottom of the hydrasleeve, slight turbidity
0967 MW119	7/12/2016	-	9 - 15	32.748	2.418	30.33	-	1,261	5.68	1.39	75.6	
0967 MW119	18/09/2017	-	9 - 15	32.748	2.037	30.711	-	1,418	5.02	1.2	157.9	
0967 MW119	5/03/2019	-	9 - 15	32.748	3.397	29.351	-	1,470	6.95	1.47	75.2	
0967 MW119	29/10/2019	-	9 - 15	32.748	2.53	30.218	-	1,320	5.28	0.99	120.1	
0967 MW119	29/10/2019	-	9 - 15	32.748	2.53	30.218	-	1,320	5.28	0.99	120.1	Clear
0967 MW119	4/05/2020	-	9 - 15	32.748	3.865	28.883	-	1,608	4.92	3.16	74.7	Clear
0967 MW119	12/10/2020	-	9 - 15	32.748	2.895	29.853	-	1,612	5.03	1.55	41.6	Clear,Cloudy
0967 MW119	19/04/2021	-	9 - 15	32.748	3.93	28.818	-	1,478	5.38	1.06	138	
0967 MW119	7/09/2021	-	9 - 15	32.748	2.445	30.303	-	1,532	5.59	3.34	177.7	
0967 MW119	19/04/2022	-	9 - 15	32.748	3.92	28.828	-	1,496	5.16	0.43	167.9	
0967 MW119	19/09/2022	-	9 - 15	32.748	2.415	30.333	-	1,416	5.67	1.62	-34.1	Clear, H2S odour
0967 MW119	12/04/2023	-	9 - 15	32.748	4.02	28.728	-	1,413	5.3	1.56	71.6	
0967 MW119	11/09/2023	-	9 - 15	32.748	3.2	29.548	-	1,411	5.07	1.8	-113.8	Brown
0967 MW119	15/04/2024	-	9 - 15	32.748	4.39	28.358	-	1,514	5.03	0.89	199	
0967 MW119	5/12/2024	15.104	9 - 15	32.748	3.129	29.619	22.5	1,622	5	0.79	-35.2	Colourless and clear (top) to light brown (bottom), low sediment load (top) to moderate sediment load (bottom), no sheen, no odour
0967 MW119	1/04/2025	14.833	9 - 15	32.748	4.313	28.435	27.6	1,559	4.89	1.09	-195.8	pale grey, no odour, no sheen, sediment at the bottom of the hydrasleeve, slight turbidity
0967 MW120	7/12/2016	-	4.3 - 10.3	29.47	1.324	28.146	-	2,252	7.06	1.52	-144.5	
0967 MW120	18/09/2017	-	4.3 - 10.3	29.47	0.851	28.619	-	6,062	4.69	1.36	14.6	
0967 MW120	18/09/2017	-	4.3 - 10.3	29.47	0.851	28.619	-	6,062	4.69	1.36	14.6	
0967 MW120	6/03/2019	-	4.3 - 10.3	29.47	2.067	27.403	-	6,527	5.49	1.2	137.2	
0967 MW120	29/10/2019	-	4.3 - 10.3	29.47	1.4	28.07	-	5,665	4.63	0.95	81	
0967 MW120	29/10/2019	-	4.3 - 10.3	29.47	1.4	28.07	-	5,665	4.63	0.95	81	Clear
0967 MW120	5/05/2020	-	4.3 - 10.3	29.47	2.37	27.1	-	4,767	4.12	4.23	82.7	Cloudy
0967 MW120	12/10/2020	-	4.3 - 10.3	29.47	1.21	28.26	-	6,897	4.97	7.26	75.3	Brown,Black,Cloudy
0967 MW120	19/04/2021	-	4.3 - 10.3	29.47	1.92	27.55	-	7,002	5.82	1.61	5.2	Clear
0967 MW120	8/09/2021	-	4.3 - 10.3	29.47	0.83	28.64	-	4,511	5.12	1.67	157.1	Clear
0967 MW120	20/04/2022	-	4.3 - 10.3	29.47	2.31	27.16	-	6,696	5.09	3.36	156.9	
0967 MW120	20/09/2022	-	4.3 - 10.3	29.47	0.66	28.81	-	6,702	5.15	0.74	27.9	Clear, H2S odour
0967 MW120	12/04/2023	-	4.3 - 10.3	29.47	2.34	27.13	-	6,768	5.43	1.93	74.4	
0967 MW120	11/09/2023	-	4.3 - 10.3	29.47	1.12	28.35	-	6,875	4.95	1.49	-35.9	Clear
0967 MW120	16/04/2024	-	4.3 - 10.3	29.47	2.51	26.96	-	7,009	5.63	1.2	36.7	
0967 MW120	29/11/2024	9.866	4.3 - 10.3	29.47	1.402	28.068	22.3	7,156	4.17	0.06	-22.5	Colourless, clear low sediment load, no sheen, no odour
0967 MW120	8/04/2025	9.862	4.3 - 10.3	29.47	2.326	27.144	24.7	7,241	4.02	0.1	-249.5	
0967 MW121	7/12/2016	-	5.3 - 11.3	30.171	3.11	27.061	-	3,112	10.64	2.12	89.2	
0967 MW121	18/09/2017	-	5.3 - 11.3	30.171	3.02	27.151	-	5,358	5.79	1.32	85.2	
0967 MW121	5/03/2019	-	5.3 - 11.3	30.171	4.564	25.607	-	5,374	5.88	2.1	95.9	
0967 MW121	29/10/2019	-	5.3 - 11.3	30.171	3.44	26.731	-	4,618	4.97	0.75	137.6	
0967 MW121	29/10/2019	-	5.3 - 11.3	30.171	3.44	26.731	-	4,618	4.97	0.75	137.6	Clear
0967 MW121	3/06/2020	-	5.3 - 11.3	30.171	4.79	25.381	-	5,015	4.58	1.88	33	Clear
0967 MW121	12/10/2020	-	5.3 - 11.3	30.171	3.625	26.546	-	5,267	5.26	2.51	104.1	Cloudy,Brown
0967 MW121	19/04/2021	-	5.3 - 11.3	30.171	4.98	25.191	-	5,124	5.27	1.84	120.1	Clear
0967 MW121	8/09/2021	-	5.3 - 11.3	30.171	3.29	26.881	-	5,254	5.16	1.33	223.2	Clear
0967 MW121	19/04/2022	-	5.3 - 11.3	30.171	4.29	25.881	-	4,083	5.39	1.5	127	
0967 MW121	20/09/2022	-	5.3 - 11.3	30.171	3.34	26.831	-	4,574	6.26	4.02	-70.9	Brown, H2S odour
0967 MW121	12/04/2023	-	5.3 - 11.3	30.171	4.95	25.221	-	4,645	5.59	1.78	62.3	
0967 MW121	11/09/2023	-	5.3 - 11.3	30.171	3.71	26.461	-	4,388	5.36	1.28	-73.2	Brown
0967 MW121	16/04/2024	-	5.3 - 11.3	30.171	5.2	24.971	-	4,498	5.12	1.42	143.5	Brown
0967 MW121	5/12/2024	11.726	5.3 - 11.3	30.171	3.525	26.646	21.5	4,880	5.05	0.89	-31.6	Light brown (top) to dark orange/brown (bottom), moderate sediment load (top) to high sediment load (bottom), no sheen, no odour
0967 MW121	1/04/2025	11.709	5.3 - 11.3	30.171	4.852	25.319	24	4,755	5.04	0.91	-223.5	brown, no odour, no sheen, medium turbidity, with sediment in hydrasleeve,
0967 MW122D	4/10/2017	-	24 - 30	32.731	1.611	31.12	-	2,002	6.57	1.12	-107.5	
0967 MW122D	7/03/2019	-	24 - 30	32.731	3.101	29.63	-	1,592.5	6.97	0.52	-77.8	
0967 MW122D	30/10/2019	-	24 - 30	32.731	2.25	30.481	-	1,814	6.55	0.57	-44.5	
0967 MW122D	30/10/2019	-	24 - 30	32.731	2.25	30.481	-	1,814	6.55	0.57	-44.5	Clear
0967 MW122D	13/05/2020	-	24 - 30	32.731	3.47	29.261	-	2,808	6.97	1.22	36.8	Clear
0967 MW122D	12/10/2020	-	24 - 30	32.731	2.161	30.57	-	2,463	6.67	0.95	-55.2	Clear,Black
0967 MW122D	19/04/2021	-	24 - 30	32.731	3.32	29.411	-	2,533	7.09	1.08	-131.2	
0967 MW122D	9/09/2021	-	24 - 30	32.731	1.8	30.931	-	2,098	7.28	1.23	-239.5	
0967 MW122D	20/04/2022	-	24 - 30	32.731	3.365	29.366	-	2,622	7.13	0.63	-87.7	
0967 MW122D	20/09/2022	-	24 - 30	32.731	1.68	31.051	-	2,386	6.97	1.77	-177.8	Clear
0967 MW122D	12/04/2023	-	24 - 30	32.731	3.358	29.373	-	1,924	7.38	0.47	-31.5	
0967 MW122D	13/09/2023	-	24 - 30	32.731	2.05	30.681	-	1,598	7.47	19.1	-169.4	Clear, hydrogen sulfur odour
0967 MW122D	16/04/2024	-	24 - 30	32.731	3.83	28.901	-	2,057	7.39	1.8	-178.6	Clear
0967 MW122D	3/12/2024	28.632	24 - 30	32.731	2.381	30.35	21.9	2,079	7.34	0.49	-121.8	Colourless, clear (top) to dark grey (bottom), low sediment load (top) to high sediment load (bottom), no sheen, strong sulfidic odour
0967 MW122D	2/04/2025	29.608	24 - 30	32.731	3.544	29.187	27.5	2,522	7.01	0.5	-234.7	clear, low turbidity, grey sediment at bottom, no sheen or odour
0967 MW122S	4/10/2017	-	4.5 - 10.5	32.691	1.695	30.996	-	1,338	6.47	4.2	-99.3	
0967 MW122S	7/03/2019	-	4.5 - 10.5	32.691	3.175	29.516	-	1,675	6.24	0.72	-62	
0967 MW122S	30/10/2019	-	4.5 - 10.5	32.691	2.45	30.241	-	2,384	5.35	1.03	-62.7	
0967 MW122S	30/10/2019	-	4.5 - 10.5	32.691	2.45	30.241	-	2,384	5.35	1.03	-62.7	Clear
0967 MW122S	13/05/2020	-	4.5 - 10.5	32.691	3.577	29.114	-	3,675	5.66	1.41	-	Clear
0967 MW122S	12/10/2020	-	4.5 - 10.5	32.691	2.98	29.711	-	2,811	5.27	0.69	9.7	Clear

Appendix D
Table D1
Groundwater Levels and Field Parameters

Location ID	Sample Date	Well Depth (m)		TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	Sample Comments
		bTOC	Screen Interval									
0967 MW122S	19/04/2021	-	4.5 - 10.5	32.691	3.43	29.261	-	2,833	6.51	1.34	-50.4	
0967 MW122S	9/09/2021	-	4.5 - 10.5	32.691	1.78	30.911	-	2,830	6.28	1.09	-55.5	
0967 MW122S	20/04/2022	-	4.5 - 10.5	32.691	3.445	29.246	-	3,499	5.73	0.8	-21.6	
0967 MW122S	20/09/2022	-	4.5 - 10.5	32.691	1.67	31.021	-	1,435	6.82	2.07	-130.8	Clear
0967 MW122S	12/04/2023	-	4.5 - 10.5	32.691	3.656	29.035	-	2,622	6.05	1.54	35.7	
0967 MW122S	13/09/2023	-	4.5 - 10.5	32.691	2.05	30.641	-	1,530	5.99	2.03	66.4	Clear
0967 MW122S	16/04/2024	-	4.5 - 10.5	32.691	3.75	28.941	-	3,149	5.64	1.24	52.9	Clear
0967 MW122S	5/12/2024	9.414	4.5 - 10.5	32.691	2.412	30.279	23.4	1,729	6.06	0.74	-70.2	Colourless and clear (top), grey (bottom), low sediment load, no sheen, slight sulfidic odour
0967 MW122S	2/04/2025	9.381	4.5 - 10.5	32.691	3.596	29.095	28	1,892	5.87	0.86	-221.4	water pale brown, brown sediment at base of sleeve, no Sheen, no odour
0967 MW123D	4/10/2017	-	23.5 - 29.5	32.542	1.905	30.637	-	3,588	6.72	0.69	-224.8	
0967 MW123D	7/03/2019	-	23.5 - 29.5	32.542	3.483	29.059	-	4,583	7	0.34	-68.2	
0967 MW123D	30/10/2019	-	23.5 - 29.5	32.542	2.465	30.077	-	4,640	6.72	0.06	-325.7	
0967 MW123D	30/10/2019	-	23.5 - 29.5	32.542	2.465	30.077	-	4,640	6.72	0.06	-325.7	Black
0967 MW123D	13/05/2020	-	23.5 - 29.5	32.542	2.72	29.822	-	4,167	6.88	0.58	9.6	Black, H2S odour
0967 MW123D	22/10/2020	-	23.5 - 29.5	32.542	2.613	29.929	-	3,640	6.81	5.29	-38.5	Black
0967 MW123D	19/04/2021	-	23.5 - 29.5	32.542	3.53	29.012	-	3,911	6.78	0.94	-203.8	Clear
0967 MW123D	8/09/2021	-	23.5 - 29.5	32.542	2.1	30.442	-	4,604	6.99	0.05	-327.4	Clear
0967 MW123D	20/04/2022	-	23.5 - 29.5	32.542	3.66	28.882	-	4,661	6.96	0.08	-263.3	
0967 MW123D	20/09/2022	-	23.5 - 29.5	32.542	1.96	30.582	-	4,397	6.88	0.2	-311.3	Clear, H2S odour
0967 MW123D	12/04/2023	-	23.5 - 29.5	32.542	3.65	28.892	-	3,633	7	0.7	-235.9	
0967 MW123D	13/09/2023	-	23.5 - 29.5	32.542	4.52	28.022	-	1,397	7.44	1.09	-37.2	Clear
0967 MW123D	16/04/2024	-	23.5 - 29.5	32.542	3.96	28.582	-	2,621	7.37	1.7	-184.5	Clear
0967 MW123D	5/12/2024	29.239	23.5 - 29.5	32.542	2.683	29.859	23	3,031	7.27	0.81	-77.4	Light grey (top) to black (bottom), low sediment load (top), high sediment load (bottom), no sheen, slight sulfidic odour
0967 MW123D	2/04/2025	29.428	23.5 - 29.5	32.542	3.812	28.73	24.4	4,355	7.04	0.55	-231.6	clear,black sediment at base of sleeve, no odour, no sheen, slight turbidity
0967 MW123S	4/10/2017	-	6 - 12	32.601	2.003	30.598	-	3,029	6.05	1.84	-161.4	
0967 MW123S	7/03/2019	-	6 - 12	32.601	3.482	29.119	-	5,331	6.31	1.63	-94.7	
0967 MW123S	30/10/2019	-	6 - 12	32.601	2.48	30.121	-	6,507	5.87	0.09	-250.7	
0967 MW123S	30/10/2019	-	6 - 12	32.601	2.48	30.121	-	6,507	5.87	0.09	-250.7	Black
0967 MW123S	13/05/2020	-	6 - 12	32.601	3.79	28.811	-	4,763	5.94	1.48	61	Clear
0967 MW123S	22/10/2020	-	6 - 12	32.601	2.636	29.965	-	5,128	5.8	1.26	-5.5	Cloudy
0967 MW123S	19/04/2021	-	6 - 12	32.601	3.27	29.331	-	5,193	6.3	1.76	-108.6	
0967 MW123S	8/09/2021	-	6 - 12	32.601	2.14	30.461	-	4,210	6.24	0.97	-108	
0967 MW123S	20/04/2022	-	6 - 12	32.601	3.42	29.181	-	5,240	4.89	5.22	-18.7	
0967 MW123S	20/09/2022	-	6 - 12	32.601	2.02	30.581	-	4,843	6.48	1.55	-208.8	Clear, H2S odour
0967 MW123S	12/04/2023	-	6 - 12	32.601	3.673	28.928	-	5,923	6.07	1.19	-47.3	
0967 MW123S	13/09/2023	-	6 - 12	32.601	2.48	30.121	-	4,464	6.04	1.02	-86.7	Clear, hydrogen sulfur odour
0967 MW123S	16/04/2024	-	6 - 12	32.601	2.89	29.711	-	5,875	7.45	5.46	-27.1	Clear
0967 MW123S	5/12/2024	12.026	6 - 12	32.601	2.729	29.872	23.2	5,383	5.88	0.9	-33.7	Colourless and clear (top) to grey (bottom), low sediment load (top) to moderate sediment load (bottom), no sheen, slight sulfidic odour
0967 MW123S	2/04/2025	12.004	6 - 12	32.601	3.811	28.79	24.4	5,753	6	1.22	-225.4	clear water, black sediment at base, no sheen or odour, slight turbidity
0967 MW124D	4/10/2017	-	24 - 30	30.194	0.423	29.771	-	1,553.5	6.62	1.21	-111.2	
0967 MW124D	7/03/2019	-	24 - 30	30.194	2.186	28.008	-	2,242	6.43	0.5	-78.8	
0967 MW124D	29/10/2019	-	24 - 30	30.194	1.23	28.964	-	3,100	6.28	0.35	-138.2	
0967 MW124D	29/10/2019	-	24 - 30	30.194	1.23	28.964	-	3,100	6.28	0.35	-138.2	Clear
0967 MW124D	5/05/2020	-	24 - 30	30.194	2.335	27.859	-	1,896	6.1	3.91	59	Cloudy,Black
0967 MW124D	12/10/2020	-	24 - 30	30.194	1.064	29.13	-	3,297	6.85	0.7	-54.4	Clear
0967 MW124D	20/04/2021	-	24 - 30	30.194	2.251	27.943	-	2,519	6.48	0.53	-10.1	Cloudy,Black
0967 MW124D	9/09/2021	-	24 - 30	30.194	0.596	29.598	-	2,990	6.92	1.85	-188.4	Cloudy,Black
0967 MW124D	21/04/2022	-	24 - 30	30.194	2.3	27.894	-	2,503	6.54	1.17	-14.3	
0967 MW124D	20/09/2022	-	24 - 30	30.194	0.47	29.724	-	2,854	6.6	1.09	-38	Clear
0967 MW124D	12/04/2023	-	24 - 30	30.194	2.519	27.675	-	2,278	6.51	0.83	75	
0967 MW124D	19/09/2023	-	24 - 30	30.194	0.91	29.284	-	2,641	6.76	3.17	-12.4	Clear
0967 MW124D	16/04/2024	-	24 - 30	30.194	2.49	27.704	-	2,481	6.45	1.18	-8.1	Clear
0967 MW124D	5/12/2024	30.59	24 - 30	30.194	1.337	28.857	23.2	2,671	7.01	0.59	-27.6	Light brown (top), colourless (bottom), low sediment load, no sheen, no odour
0967 MW124D	2/04/2025	30.561	24 - 30	30.194	2.431	27.763	23.2	2,277	6.51	0.68	-236.8	no colour, moderate organic odour, no sheen, some black/grey sediment at the bottom of the hydrasleeve, suspended black particles in water
0967 MW124S	4/10/2017	-	3 - 9	30.126	0.429	29.697	-	4,901	6.76	1.38	-64.9	
0967 MW124S	7/03/2019	-	3 - 9	30.126	2.142	27.984	-	5,429	6.27	0.97	-41.4	
0967 MW124S	29/10/2019	-	3 - 9	30.126	1.19	28.936	-	4,935	5.43	0.88	86.5	
0967 MW124S	29/10/2019	-	3 - 9	30.126	1.19	28.936	-	4,935	5.43	0.88	86.5	Clear
0967 MW124S	5/05/2020	-	3 - 9	30.126	2.31	27.816	-	4,275	6.15	10.14	82.1	Cloudy,Brown
0967 MW124S	12/10/2020	-	3 - 9	30.126	0.992	29.134	-	5,703	5.9	2.29	89	Brown,Yellow
0967 MW124S	20/04/2021	-	3 - 9	30.126	2.19	27.936	-	5,524	6.23	1.28	43.1	QC109/209, Cloudy
0967 MW124S	9/09/2021	-	3 - 9	30.126	0.531	29.595	-	5,533	6.24	1.28	-88.2	Cloudy
0967 MW124S	21/04/2022	-	3 - 9	30.126	1.21	28.916	-	6,288	6.31	2.41	-31.6	
0967 MW124S	20/09/2022	-	3 - 9	30.126	0.4	29.726	-	4,627	6.09	7.64	3.2	Brown
0967 MW124S	12/04/2023	-	3 - 9	30.126	2.22	27.906	-	5,674	6.18	1.52	82.9	
0967 MW124S	19/09/2023	-	3 - 9	30.126	0.86	29.266	-	5,544	6.18	2.73	-5.6	Clear
0967 MW124S	16/04/2024	-	3 - 9	30.126	2.36	27.766	-	6,049	6.11	2.67	10.4	Clear
0967 MW124S	5/12/2024	8.076	3 - 9	30.126	1.306	28.82	23.6	5,615	6.18	1.17	-31.8	Colourless and clear (top), light brown (bottom), low sediment load (top), high sediment load (bottom), no sheen, no odour
0967 MW124S	2/04/2025	7.996	3 - 9	30.126	2.383	27.743	23.6	5,492	6.01	0.83	-217.7	no colour, no odour, no sheen, some black/grey sediment at th bottom of the hydrasleeve, suspended black particles in water
0967 MW125D	10/10/2017	-	24 - 30	33.204	0.735	32.469	-	8,130	7.43	0.11	-160.7	
0967 MW125D	10/10/2017	-	24 - 30	33.204	0.735	32.469	-	8,130	7.43	0.11	-160.7	
0967 MW125D	11/03/2019	-	24 - 30	33.204	2.191	31.013	-	9,396	7.11	0.68	-105	
0967 MW125D	19/11/2019	-	24 - 30	33.204	0.441	32.763	-	8,146	6.33	0.59	-44.1	
0967 MW125D	19/11/2019	-	24 - 30	33.204	0.441	32.763	-	8,146	6.33	0.59	-44.1	Clear
0967 MW125D	13/05/2020	-	24 - 30	33.204	2.285	30.919	-	8,543	6.66	1.18	-166	Clear
0967 MW125D	14/10/2020	-	24 - 30	33.204	1.161	32.043	-	9,377	6.59	0.97	-75.2	Black
0967 MW125D	21/04/2021	-	24 - 30	33.204	2.43	30.774	-	7,608	6.93	1.47	-63	Cloudy

Appendix D
Table D1
Groundwater Levels and Field Parameters

Location ID	Sample Date	Well Depth (m)		TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	Sample Comments
		bTOC)	Screen Interval									
0967_MW125D	6/09/2021	-	24 - 30	33.204	0.678	32.526	-	7,432	6.9	3.12	-121.6	Cloudy
0967_MW125D	20/04/2022	-	24 - 30	33.204	2.36	30.844	-	9,198	6.7	0.48	-170.1	
0967_MW125D	21/09/2022	-	24 - 30	33.204	0.59	32.614	-	6,695	6.85	2.59	-71.8	Clear, H2S odour
0967_MW125D	13/04/2023	-	24 - 30	33.204	2.3	30.904	-	7,624	6.56	0.97	12.2	
0967_MW125D	14/09/2023	-	24 - 30	33.204	0.94	32.264	-	8,088	6.73	0.99	-75.4	Clear
0967_MW125D	18/04/2024	-	24 - 30	33.204	2.36	30.844	-	8,070	6.55	0.79	-100.5	Clear
0967_MW125D	5/12/2024	30.076	24 - 30	33.204	1.5	31.704	23	7,524	6.7	1.35	-90.1	Light grey (top) to dark grey (bottom), low sediment load (top), moderate sediment load (bottom), no sheen, no odour
0967_MW125D	9/04/2025	27.773	24 - 30	33.204	2.282	30.922	24.1	7,110	6.44	1.16	-262.7	clear, low turbidity, high grey/brown sediment load, no sheen, no odour
0967_MW125S	10/10/2017	-	6 - 12	33.303	1.09	32.213	-	7,815	7.44	1.42	63.2	
0967_MW125S	10/10/2017	-	6 - 12	33.303	1.09	32.213	-	7,815	7.44	1.42	63.2	
0967_MW125S	11/03/2019	-	6 - 12	33.303	2.391	30.912	-	8,955	7.25	1.29	-108	
0967_MW125S	19/11/2019	-	6 - 12	33.303	0.65	32.653	-	8,403	6.48	1.08	-110.9	
0967_MW125S	19/11/2019	-	6 - 12	33.303	0.65	32.653	-	8,403	6.48	1.08	-110.9	Clear
0967_MW125S	13/05/2020	-	6 - 12	33.303	2.5	30.803	-	9,299	7.04	2.25	-57	Clear
0967_MW125S	14/10/2020	-	6 - 12	33.303	1.333	31.97	-	10,005	6.63	14.08	1.1	Clear,Brown
0967_MW125S	21/04/2021	-	6 - 12	33.303	2.89	30.413	-	9,961	7.1	2.05	-49.4	Cloudy
0967_MW125S	6/09/2021	-	6 - 12	33.303	0.83	32.473	-	11,491	7	2.14	-126.5	Cloudy
0967_MW125S	20/04/2022	-	6 - 12	33.303	2.61	30.693	-	9,049	7.05	1.51	-78.3	
0967_MW125S	21/09/2022	-	6 - 12	33.303	0.69	32.613	-	9,433	6.67	4.48	-40.8	Clear
0967_MW125S	13/04/2023	-	6 - 12	33.303	2.56	30.743	-	9,556	6.99	3.52	25	
0967_MW125S	14/09/2023	-	6 - 12	33.303	0.91	32.393	-	10,154	6.99	1.73	-32.7	Clear
0967_MW125S	18/04/2024	-	6 - 12	33.303	2.64	30.663	-	10,282	6.97	1.38	-65.6	Clear
0967_MW125S	5/12/2024	10.672	6 - 12	33.303	1.734	31.569	24.3	10,087	7.04	0.75	-102.3	Colourless and clear (top) to orange (bottom), low sediment load (top) and moderate sediment load (bottom), no sheen, no odour
0967_MW125S	9/04/2025	10.676	6 - 12	33.303	2.569	30.734	26.2	9,881	6.85	0.89	-242.6	brown water, medium turbidity, moderate brown sediment load, no sheen, no odour
0967_MW126	10/10/2017	-	6 - 12	35.657	0.997	34.66	-	3,464	7.02	0.27	-170.6	
0967_MW126	10/10/2017	-	6 - 12	35.657	0.997	34.66	-	3,464	7.02	0.27	-170.6	
0967_MW126	11/03/2019	-	6 - 12	35.657	1.848	33.809	-	3,786	7.44	0.61	-188.2	
0967_MW126	19/11/2019	-	6 - 12	35.657	11.005	24.652	-	3,797	6.33	0.56	-193.4	
0967_MW126	19/11/2019	-	6 - 12	35.657	11.005	24.652	-	3,797	6.33	0.56	-193.4	Clear
0967_MW126	13/05/2020	-	6 - 12	35.657	1.98	33.677	-	3,708	6.78	1.79	-	Brown,Cloudy
0967_MW126	14/10/2020	-	6 - 12	35.657	1.395	34.262	-	4,302	6.74	1.05	-251.9	Cloudy,Brown
0967_MW126	21/04/2021	-	6 - 12	35.657	1.89	33.767	-	4,147	7.04	0.74	-217.9	Brown, Rotten egg
0967_MW126	6/09/2021	-	6 - 12	35.657	0.865	34.792	-	3,759	7.43	2.38	-205.4	Brown, H2S odour
0967_MW126	20/04/2022	-	6 - 12	35.657	1.98	33.677	-	2,121	6.79	5.47	-285.9	
0967_MW126	23/09/2022	-	6 - 12	35.657	0.745	34.912	-	3,499	6.67	1.55	-283.9	Clear,Brown, H2S odour
0967_MW126	13/04/2023	-	6 - 12	35.657	0.64	35.017	-	3,319	7.01	1.75	-172.7	
0967_MW126	14/09/2023	-	6 - 12	35.657	1.05	34.607	-	1,687	6.79	1.9	-51.2	Brown
0967_MW126	18/04/2024	-	6 - 12	35.657	2.06	33.597	-	3,986	6.7	0.49	-97.8	Brown
0967_MW126	5/12/2024	11.032	6 - 12	35.657	1.481	34.176	26.8	3,623	6.89	0.1	-120.7	Light brown (top) to dark brown (bottom), low sediment load (top) to high sediment load (bottom), no sheen, strong sulfidic odour
0967_MW126	9/04/2025	10.712	6 - 12	35.657	1.91	33.747	26.6	3,502	6.73	0.4	-262	brown/orange, moderate turbidity, moderate sediment load, no sheen, no odour
0967_MW127	10/10/2017	-	7 - 11	35.027	1.345	33.682	-	715	7.62	2.17	-120.9	
0967_MW127	10/10/2017	-	7 - 11	35.027	1.345	33.682	-	715	7.62	2.17	-120.9	
0967_MW127	11/03/2019	-	7 - 11	35.027	2.787	32.24	-	867	6.61	1.32	89.9	
0967_MW127	19/11/2019	-	7 - 11	35.027	1.935	33.092	-	738	7.52	1.54	-57.7	
0967_MW127	19/11/2019	-	7 - 11	35.027	1.935	33.092	-	738	7.52	1.54	-57.7	Clear
0967_MW127	13/05/2020	-	7 - 11	35.027	3.26	31.767	-	883	6.81	1.02	-162.2	Clear
0967_MW127	14/10/2020	-	7 - 11	35.027	1.91	33.117	-	912	7.34	2.15	-207.2	Clear,Cloudy
0967_MW127	21/04/2021	-	7 - 11	35.027	3.15	31.877	-	1.81	7.26	21.7	35.7	Cloudy, Sulfur
0967_MW127	9/09/2021	-	7 - 11	35.027	1.287	33.74	-	875	7.04	3.36	-236.8	Cloudy, H2S odour
0967_MW127	20/04/2022	-	7 - 11	35.027	3.16	31.867	-	1,130	7.34	1.19	247.8	
0967_MW127	23/09/2022	-	7 - 11	35.027	1.195	33.832	-	829	7.08	2.74	-232.9	Brown
0967_MW127	13/04/2023	-	7 - 11	35.027	3.06	31.967	-	980	7.44	5.16	-194.9	
0967_MW127	15/09/2023	-	7 - 11	35.027	1.78	33.247	-	714	7.35	3.56	32.6	Brown
0967_MW127	18/04/2024	-	7 - 11	35.027	3.6	31.427	-	836	7.38	4.7	-127.2	Clear
0967_MW127	6/12/2024	10.671	7 - 11	35.027	2.029	32.998	22.2	815	7.55	1.39	-64.8	Colourless, clear, low sediment load, no sheen, no odour
0967_MW127	9/04/2025	10.644	7 - 11	35.027	3.262	31.765	25.5	843	7.14	0.75	-221.1	yellow, low turbidity, no sediment, no sheen, no odour
0967_MW128D	10/10/2017	-	24 - 30	32.332	0.369	31.963	-	771	9.47	0.54	-48.2	
0967_MW128D	10/10/2017	-	24 - 30	32.332	0.369	31.963	-	771	9.47	0.54	-48.2	
0967_MW128D	11/03/2019	-	24 - 30	32.332	1.901	30.431	-	822	10.19	0.69	-131.6	
0967_MW128D	19/11/2019	-	24 - 30	32.332	1.128	31.204	-	547	8.58	-	-42.9	
0967_MW128D	19/11/2019	-	24 - 30	32.332	1.128	31.204	-	547	8.58	-	-42.9	Clear
0967_MW128D	13/05/2020	-	24 - 30	32.332	2.28	30.052	-	516	8.36	1.55	21.7	
0967_MW128D	14/10/2020	-	24 - 30	32.332	0.915	31.417	-	641	8.17	2.32	-210.5	Clear
0967_MW128D	21/04/2021	-	24 - 30	32.332	2.2	30.132	-	687	8.32	1.1	-151.5	Clear
0967_MW128D	7/09/2021	-	24 - 30	32.332	0.364	31.968	-	681	8.27	1.79	-148.6	Clear
0967_MW128D	20/04/2022	-	24 - 30	32.332	2.28	30.052	-	623	9.02	0.64	-191.3	
0967_MW128D	21/09/2022	-	24 - 30	32.332	0.27	32.062	-	678	7.41	2.42	-260.7	Clear, H2S odour
0967_MW128D	12/04/2023	-	24 - 30	32.332	2.18	30.152	-	675	8.05	1.37	-155.3	
0967_MW128D	15/09/2023	-	24 - 30	32.332	0.68	31.652	-	586	9.44	0.7	26.4	Clear
0967_MW128D	18/04/2024	-	24 - 30	32.332	2.45	29.882	-	682	9.59	2.19	-175.2	Clear
0967_MW128D	14/12/2024	30.157	24 - 30	32.332	1.186	31.146	20.3	781	10.88	1.32	-47.9	Colourless, clear, low sediment load, no sheen, no odour
0967_MW128D	9/04/2025	30.091	24 - 30	32.332	2.332	30	23.6	684	8.72	1.29	-185.8	clear, limited turbidity, no sediment, no odour, no sheen
0967_MW128S	10/10/2017	-	6 - 12	32.313	0.516	31.797	-	553	8.56	1.58	34.2	
0967_MW128S	10/10/2017	-	6 - 12	32.313	0.516	31.797	-	553	8.56	1.58	34.2	
0967_MW128S	11/03/2019	-	6 - 12	32.313	1.944	30.369	-	571	8.8	1.2	-95.1	
0967_MW128S	19/11/2019	-	6 - 12	32.313	1.19	31.123	-	715	7.1	0.53	-76.5	
0967_MW128S	19/11/2019	-	6 - 12	32.313	1.19	31.123	-	715	7.1	0.53	-76.5	Clear

Appendix D
Table D1
Groundwater Levels and Field Parameters

Location ID	Sample Date	Well Depth (m)		TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurment	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	Sample Comments
		bTOC	Screen Interval									
0967 MW128S	13/05/2020	-	6 - 12	32.313	2.3	30.013	-	639	7.73	1.4	36	
0967 MW128S	14/10/2020	-	6 - 12	32.313	0.955	31.358	-	626	7.65	1.15	-150	Clear
0967 MW128S	21/04/2021	-	6 - 12	32.313	2.17	30.143	-	901	7.14	1.11	-95	Clear
0967 MW128S	7/09/2021	-	6 - 12	32.313	0.375	31.938	-	628	7.7	1.13	-118.3	Clear
0967 MW128S	20/04/2022	-	6 - 12	32.313	2.35	29.963	-	606	7.66	1.11	-292	
0967 MW128S	21/09/2022	-	6 - 12	32.313	0.25	32.063	-	585	6.93	3.25	-108.7	Clear
0967 MW128S	12/04/2023	-	6 - 12	32.313	2.16	30.153	-	576	7.75	1.44	-63.2	
0967 MW128S	15/09/2023	-	6 - 12	32.313	0.73	31.583	-	295.3	7.55	1.15	19.8	Clear, hydrogen sulfur odour
0967 MW128S	18/04/2024	-	6 - 12	32.313	2.4	29.913	-	660	7.67	1.71	-81.5	Clear
0967 MW128S	6/12/2024	11.983	6 - 12	32.313	1.205	31.108	20	636	7.47	3.08	-28.8	Colourless and clear (top) to brown (bottom), low sediment load (top), high sediment load (bottom), no sheen, no odour
0967 MW128S	9/04/2025	11.985	6 - 12	32.313	2.285	30.028	24	634	7.51	1.02	-187.4	slight yellow tinge, low turbidity, little sediment, no sheen, no odour
0967 MW129D	10/10/2017	-	24 - 30	33.738	1.436	32.302	-	443.8	7.88	0.73	-133.5	
0967 MW129D	10/10/2017	-	24 - 30	33.738	1.436	32.302	-	443.8	7.88	0.73	-133.5	
0967 MW129D	11/03/2019	-	24 - 30	33.738	3.467	30.271	-	608	7.79	1.21	-22.7	
0967 MW129D	19/11/2019	-	24 - 30	33.738	1.406	32.332	-	472.8	7.19	-	1.5	
0967 MW129D	19/11/2019	-	24 - 30	33.738	1.406	32.332	-	472.8	7.19	-	1.5	Clear
0967 MW129D	13/05/2020	-	24 - 30	33.738	3.73	30.008	-	473.9	7.53	1.25	48.8	
0967 MW129D	21/04/2021	-	24 - 30	33.738	3.8	29.938	-	792	7.99	1.76	11.1	Brown
0967 MW129D	9/09/2021	-	24 - 30	33.738	1.483	32.255	-	874	7.42	1.09	-97.4	Brown
0967 MW129D	20/04/2022	-	24 - 30	33.738	3.77	29.968	-	1,259	7.56	1.91	-190	
0967 MW129D	23/09/2022	-	24 - 30	33.738	1.31	32.428	-	1,300	7.26	3.25	-153.2	Clear
0967 MW129D	12/04/2023	-	24 - 30	33.738	3.67	30.068	-	1,583	7.31	0.61	-63.9	
0967 MW129D	15/09/2023	-	24 - 30	33.738	2.08	31.658	-	1,216	7.28	1.1	59.6	Clear
0967 MW129D	18/04/2024	-	24 - 30	33.738	4.1	29.638	-	1,727	7.76	2.39	-92.7	Clear
0967 MW129D	5/12/2024	29.235	24 - 30	33.738	2.442	31.296	22.5	1,541	7.47	2.26	-62.8	Colourless and clear (top) to grey (bottom), low sediment load (top) to moderate sediment load (bottom), no sheen, no odour
0967 MW129D	8/04/2025	28.076	24 - 30	33.738	4.049	29.689	25.8	1,610	7.05	0.93	-219.3	grey, no odour, no sheen, high turbidity, black sediment at bottom of hydrasleeve
0967 MW129S	10/10/2017	-	5 - 11	33.714	1.443	32.271	-	956	7.77	1.07	-175.4	
0967 MW129S	10/10/2017	-	5 - 11	33.714	1.443	32.271	-	956	7.77	1.07	-175.4	
0967 MW129S	11/03/2019	-	5 - 11	33.714	3.394	30.32	-	845	7.68	1.79	1.8	
0967 MW129S	19/11/2019	-	5 - 11	33.714	1.339	32.375	-	97	7	-	-78	
0967 MW129S	19/11/2019	-	5 - 11	33.714	1.339	32.375	-	97	7	-	-78	Clear
0967 MW129S	13/05/2020	-	5 - 11	33.714	3.66	30.054	-	509	7.51	7.49	53.5	
0967 MW129S	21/04/2021	-	5 - 11	33.714	3.22	30.494	-	1,352	7.52	3.39	39.3	Brown, Clear
0967 MW129S	9/09/2021	-	5 - 11	33.714	1.408	32.306	-	1,201	7.35	1.7	-137.7	Brown, Clear
0967 MW129S	20/04/2022	-	5 - 11	33.714	3.7	30.014	-	1,199	7.47	6.5	-263.4	
0967 MW129S	23/09/2022	-	5 - 11	33.714	1.23	32.484	-	1,165	7.22	1.53	-107.7	Clear
0967 MW129S	12/04/2023	-	5 - 11	33.714	3.59	30.124	-	1,521	7.47	0.95	-64.4	
0967 MW129S	15/09/2023	-	5 - 11	33.714	2.014	31.7	-	1,100	7.47	1.84	24.9	Clear
0967 MW129S	18/04/2024	-	5 - 11	33.714	4.01	29.704	-	1,456	7.43	1.79	-99.6	Clear
0967 MW129S	5/12/2024	11.254	5 - 11	33.714	2.365	31.349	22.4	1,644	7.44	1.88	-63.1	Colourless, clear, low sediment load, no sheen, slight sulfidic odour
0967 MW129S	8/04/2025	11.433	5 - 11	33.714	3.968	29.746	23.8	1,429	7.22	0.77	-221.8	no colour, cloudy, no odour, no sheen, grey sediment at the bottom of the hydrasleeve
0967 MW130D	11/10/2017	-	24 - 30	32.407	1.105	31.302	-	759	7.81	0.67	-97.9	
0967 MW130D	11/03/2019	-	24 - 30	32.407	2.747	29.66	-	795	6.33	0.73	-19.7	
0967 MW130D	19/11/2019	-	24 - 30	32.407	1.87	30.537	-	680	6.98	0	27.5	
0967 MW130D	19/11/2019	-	24 - 30	32.407	1.87	30.537	-	680	6.98	0	27.5	Clear
0967 MW130D	13/05/2020	-	24 - 30	32.407	3.064	29.343	-	834	7.25	1.55	-216.8	
0967 MW130D	14/10/2020	-	24 - 30	32.407	1.669	30.738	-	800	7.25	1.73	-34.5	Clear, Black
0967 MW130D	21/04/2021	-	24 - 30	32.407	3.07	29.337	-	825	7.4	0.58	-123.9	Clear
0967 MW130D	7/09/2021	-	24 - 30	32.407	1.106	31.301	-	817	8	1.03	-288.8	Clear
0967 MW130D	20/04/2022	-	24 - 30	32.407	3.09	29.317	-	741	7.86	0.89	-234.8	
0967 MW130D	23/09/2022	-	24 - 30	32.407	0.99	31.417	-	767	7.36	1.95	-196.2	Clear, H2S odour
0967 MW130D	12/04/2023	-	24 - 30	32.407	3.02	29.387	-	703	7.63	0.51	-79.3	
0967 MW130D	15/09/2023	-	24 - 30	32.407	1.48	30.927	-	694	7.55	0.72	-151.3	Clear
0967 MW130D	18/04/2024	-	24 - 30	32.407	3.42	28.987	-	789	7.78	3.08	-149.1	Clear
0967 MW130D	6/12/2024	30.12	24 - 30	32.407	2.179	30.228	21.1	824	7.58	0.85	-63.5	Colourless, clear (top) to dark grey (bottom), low sediment load (top) to high sediment load (bottom), no sheen, strong sulfidic odour
0967 MW130D	9/04/2025	29.12	24 - 30	32.407	2.247	30.16	22.4	813	7.33	1	-173.4	grey, low turbidity, moderate sediment at base of sleeve, no sheen, no odour
0967 MW130S	11/10/2017	-	4 - 10	32.43	1.299	31.131	-	1,224	7.78	1.29	-15.7	
0967 MW130S	11/03/2019	-	4 - 10	32.43	2.965	29.465	-	1,138	6.95	0.9	-122.2	
0967 MW130S	19/11/2019	-	4 - 10	32.43	2.01	30.42	-	1,186	6.91	0	31.9	
0967 MW130S	19/11/2019	-	4 - 10	32.43	2.01	30.42	-	1,186	6.91	0	31.9	Clear
0967 MW130S	13/05/2020	-	4 - 10	32.43	3.255	29.175	-	1,454	7.4	2.03	52	Clear
0967 MW130S	14/10/2020	-	4 - 10	32.43	1.788	30.642	-	1,222	7.04	1.12	-13	
0967 MW130S	21/04/2021	-	4 - 10	32.43	3.29	29.14	-	1.08	7.63	13.2	-103.8	Clear
0967 MW130S	7/09/2021	-	4 - 10	32.43	1.203	31.227	-	1,267	7.46	0.2	-280.5	Clear
0967 MW130S	20/04/2022	-	4 - 10	32.43	3.3	29.13	-	1,221	7.55	1.51	-214.3	
0967 MW130S	23/09/2022	-	4 - 10	32.43	1.09	31.34	-	1,287	7.33	2.15	-1,709	Cloudy
0967 MW130S	12/04/2023	-	4 - 10	32.43	3.24	29.19	-	1,253	7.46	0.6	-41.6	
0967 MW130S	15/09/2023	-	4 - 10	32.43	1.66	30.77	-	1,057	7.43	1.13	-25.9	Clear
0967 MW130S	18/04/2024	-	4 - 10	32.43	3.7	28.73	-	1,382	7.38	1.66	-117.8	Brown
0967 MW130S	6/12/2024	10.585	4 - 10	32.43	2.498	29.932	21.4	1,124	7.45	1.43	-56.7	Colourless and clear (top) to light brown (bottom), low sediment load, no sheen, no odour
0967 MW130S	9/04/2025	10.575	4 - 10	32.43	3.501	28.929	23.5	1,291	7.6	2.9	-180.3	clear, low turbidity, no sediment, no odour, no sheen
0967 MW132D	5/10/2017	-	24 - 30	42.424	7.055	35.369	-	2,553	6.11	1.09	-89.7	
0967 MW132D	7/03/2019	-	24 - 30	42.424	6.908	35.516	-	3,512	5.71	1.08	-94.3	
0967 MW132D	29/10/2019	-	24 - 30	42.424	7.052	35.372	-	2,245	6.88	0.47	-113.9	
0967 MW132D	29/10/2019	-	24 - 30	42.424	7.052	35.372	-	2,245	6.88	0.47	-113.9	Clear
0967 MW132D	12/05/2020	-	24 - 30	42.424	8.91	33.514	-	2,269	7.12	2.85	11.5	
0967 MW132D	13/10/2020	-	24 - 30	42.424	7.22	35.204	-	3,913	5.13	1.8	-50.1	

Appendix D
Table D1
Groundwater Levels and Field Parameters

Location ID	Sample Date	Well Depth (m)		TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	Sample Comments
		bTOC	Screen Interval									
0967 MW132D	29/04/2021	-	24 - 30	42.424	7.34	35.084	-	3,707	5.27	1.49	44	Clear
0967 MW132D	20/09/2021	-	24 - 30	42.424	7.35	35.074	-	2,353	7.03	1.31	-154	Clear
0967 MW132D	28/04/2022	-	24 - 30	42.424	7.234	35.19	-	2,343	7.49	1.6	-224.7	
0967 MW132D	26/09/2022	-	24 - 30	42.424	7.279	35.145	-	2,232	7.4	3.45	64	Clear
0967 MW132D	24/04/2023	-	24 - 30	42.424	7.23	35.194	-	2,182	7.72	3.45	-152.8	
0967 MW132D	25/09/2023	-	24 - 30	42.424	7.42	35.004	-	2,246	7.4	1.29	-189.3	Clear
0967 MW132D	17/04/2024	-	24 - 30	42.424	8.27	34.154	-	2,450	7.51	1.75	-98.3	Clear
0967 MW132D	28/11/2024	29.015	24 - 30	42.424	7.454	34.97	23.6	2,947	6.6	2.94	-56	Colourless (top) to grey (bottom), low to moderate sediment load, no sheen, no odour
0967 MW132D	3/02/2025	-	24 - 30	42.424	7.49	34.934	-	3,931	5.18	1.15	7.49	Very turbid, grey, with some grey sediment, no odour, no sheen
0967 MW132D	7/04/2025	29.058	24 - 30	42.424	7.604	34.82	24.4	3,694	5.72	1.63	-207.1	clear, low turbidity, grey/brown sediment at base of hs, no sheen, no odour
0967 MW132S	5/10/2017	-	8 - 14	42.352	7.109	35.243	-	4,168	5.92	1.22	93	
0967 MW132S	7/03/2019	-	8 - 14	42.352	6.197	36.155	-	5,369	5.4	2.12	101.2	
0967 MW132S	29/10/2019	-	8 - 14	42.352	7.086	35.266	-	6,793	4.93	0.01	136.1	
0967 MW132S	29/10/2019	-	8 - 14	42.352	7.086	35.266	-	6,793	4.93	0.01	136.1	Clear
0967 MW132S	12/05/2020	-	8 - 14	42.352	14	28.352	-	4,484	5.81	6	57	
0967 MW132S	29/04/2021	-	8 - 14	42.352	7.44	34.912	-	5,326	5.03	0.87	138	Clear
0967 MW132S	20/09/2021	-	8 - 14	42.352	7.4	34.952	-	5,569	5.95	2.15	-42.3	Clear
0967 MW132S	28/04/2022	-	8 - 14	42.352	7.284	35.068	-	5,428	5.23	1.25	47.2	
0967 MW132S	26/09/2022	-	8 - 14	42.352	7.307	35.045	-	5,189	5.25	1.46	73.3	Clear
0967 MW132S	24/04/2023	-	8 - 14	42.352	7.26	35.092	-	5,065	5.15	1.7	-14.5	
0967 MW132S	25/09/2023	-	8 - 14	42.352	7.42	34.932	-	5,483	5.47	2.4	-49.9	Clear
0967 MW132S	17/04/2024	-	8 - 14	42.352	7.54	34.812	-	5,344	5.15	1.5	193.3	Clear
0967 MW132S	28/11/2024	14.288	8 - 14	42.352	7.487	34.865	24.9	2,960	6.62	1.91	-59.9	Colourless, clear, low sediment load, no sheen, no odour
0967 MW132S	4/02/2025	-	8 - 14	42.352	7.53	34.822	-	5,466	5.5	5.07	152.1	Colourless, clear, no odour, no sheen
0967 MW132S	7/04/2025	14.277	8 - 14	42.352	7.634	34.718	26.1	2,884	5.32	1.58	-187.1	clear, low turbidity, no sediment, no sheen, no odour
0967 MW134D	5/10/2017	-	24 - 30	40.291	7.501	32.79	-	1,052	5.29	1.11	-2.9	
0967 MW134D	7/03/2019	-	24 - 30	40.291	7.608	32.683	-	1,426	6.4	0.47	-68.2	
0967 MW134D	29/10/2019	-	24 - 30	40.291	7.69	32.601	-	1,042	6.12	0.14	-37.6	
0967 MW134D	29/10/2019	-	24 - 30	40.291	7.69	32.601	-	1,042	6.12	0.14	-37.6	Clear
0967 MW134D	12/05/2020	-	24 - 30	40.291	8.07	32.221	-	1,409	6.12	1.04	40.8	Black
0967 MW134D	13/10/2020	-	24 - 30	40.291	7.87	32.421	-	1,312	6.01	1.39	-105.6	
0967 MW134D	29/04/2021	-	24 - 30	40.291	8.068	32.223	-	1,150	6.24	1.85	-32.9	Clear
0967 MW134D	20/09/2021	-	24 - 30	40.291	7.9	32.391	-	1,056	6.54	0.83	-194.9	Clear
0967 MW134D	28/04/2022	-	24 - 30	40.291	7.985	32.306	-	1,027	6.32	0.89	-133.6	
0967 MW134D	26/09/2022	-	24 - 30	40.291	7.825	32.466	-	1,027	6.09	0.89	62.8	Clear
0967 MW134D	24/04/2023	-	24 - 30	40.291	8.03	32.261	-	957	6.31	3.23	-119.3	
0967 MW134D	25/09/2023	-	24 - 30	40.291	8.02	32.271	-	1,310	6.16	2.18	96.3	Clear
0967 MW134D	17/04/2024	-	24 - 30	40.291	8.27	32.021	-	1,342	6.17	0.71	-17.9	Clear
0967 MW134D	28/11/2024	30.136	24 - 30	40.291	8.121	32.17	26.4	1,209	6.42	0.84	-47.7	Colourless, clear, low sediment load, no sheen, no odour, insects present in sleeve
0967 MW134D	7/04/2025	30.123	24 - 30	40.291	8.371	31.92	23.9	1,262	6.13	0.75	-206.8	clear, low turbidity, grey sediment at base of HS, no shen, no odour
0967 MW134S	5/10/2017	-	8 - 14	40.45	7.643	32.807	-	4,034	6.38	1.21	-42.9	
0967 MW134S	7/03/2019	-	8 - 14	40.45	7.634	32.816	-	5,508	5.71	2.27	26.5	
0967 MW134S	29/10/2019	-	8 - 14	40.45	7.787	32.663	-	6,892	5	0.04	121.4	
0967 MW134S	29/10/2019	-	8 - 14	40.45	7.787	32.663	-	6,892	5	0.04	121.4	Clear
0967 MW134S	12/05/2020	-	8 - 14	40.45	7.001	33.449	-	5,151	5.23	0.88	55.5	
0967 MW134S	13/10/2020	-	8 - 14	40.45	7.97	32.48	-	6,508	4.82	1.7	4.83	
0967 MW134S	29/04/2021	-	8 - 14	40.45	8.085	32.365	-	2,965	4.84	1.5	112.5	
0967 MW134S	20/09/2021	-	8 - 14	40.45	8	32.45	-	6,425	5.84	0.61	-163.4	
0967 MW134S	28/04/2022	-	8 - 14	40.45	7.921	32.529	-	6,399	5.2	0.7	520	
0967 MW134S	26/09/2022	-	8 - 14	40.45	7.923	32.527	-	6,346	5.24	0.8	68.5	Clear
0967 MW134S	24/04/2023	-	8 - 14	40.45	8.04	32.41	-	5,900	5.11	1.33	2.8	
0967 MW134S	25/09/2023	-	8 - 14	40.45	8.13	32.32	-	6,418	5.06	1.43	-14.1	Clear
0967 MW134S	17/04/2024	-	8 - 14	40.45	8.28	32.17	-	6,552	4.98	1.28	147.1	Clear
0967 MW134S	28/11/2024	14.397	8 - 14	40.45	8.206	32.244	25.9	6,629	4.25	1.05	-14.4	Colourless (top) to light brown (bottom), low sediment load, no sheen, no odour
0967 MW134S	7/04/2025	14.348	8 - 14	40.45	8.379	32.071	25.1	4,238	4.59	2.11	-192.5	clear, low turbidity, little orange sediment at bottom of HS, no sheen, no odour
0967 MW136	11/10/2017	-	6 - 12	33.597	1.005	32.592	-	999	7.55	1.41	-166.5	
0967 MW136	8/03/2019	-	6 - 12	33.597	3.402	30.195	-	1,227	8.14	1.14	-211.2	
0967 MW136	22/10/2019	-	6 - 12	33.597	1.73	31.867	-	1,296	6.92	0.06	188.6	
0967 MW136	22/10/2019	-	6 - 12	33.597	1.73	31.867	-	1,296	6.92	0.06	188.6	Yellow, H2S odour
0967 MW136	6/05/2020	-	6 - 12	33.597	3.675	29.922	-	1,361	6.84	2.7	0.6	Clear, Yellow
0967 MW136	14/10/2020	-	6 - 12	33.597	1.893	31.704	-	1,205	6.89	1.69	-134.5	Yellow
0967 MW136	21/04/2021	-	6 - 12	33.597	3.62	29.977	-	1,540	7.1	1.39	-186.5	Green, rotten egg
0967 MW136	6/09/2021	-	6 - 12	33.597	1.026	32.571	-	1,489	7.36	1.57	-217.8	Clear
0967 MW136	19/04/2022	-	6 - 12	33.597	3.65	29.947	-	1,636	7.41	1.11	-265	
0967 MW136	21/09/2022	-	6 - 12	33.597	0.834	32.763	-	1,399	7.11	0.22	-106.8	Yellow, Clear, H2S odour
0967 MW136	11/04/2023	-	6 - 12	33.597	3.675	29.922	-	814	7.17	-	-210.1	
0967 MW136	14/09/2023	-	6 - 12	33.597	1.5	32.097	-	1,256	7.19	0.57	-196.4	Yellow, hydrogen sulfur odour
0967 MW136	16/04/2024	-	6 - 12	33.597	3.98	29.617	-	1,408	7.22	0.58	-241.5	Clear, Yellow
0967 MW136	6/12/2024	11.349	6 - 12	33.597	2.556	31.041	21.8	1,388	7.21	1.2	-84.3	Light brown, low sediment load, no sheen, organic odour
0967 MW136	3/04/2025	11.342	6 - 12	33.597	3.999	29.598	24.7	1,647	7.06	0.75	-260	water yellow colour, low turbidity, no sediment, no sheen, sulphur smell
0967 MW137	11/10/2017	-	4.5 - 10.5	33.849	0.786	33.063	-	6,077	7.59	0.89	-118.6	
0967 MW137	8/03/2019	-	4.5 - 10.5	33.849	2.847	31.002	-	6,754	7	1.62	-126	
0967 MW137	22/10/2019	-	4.5 - 10.5	33.849	1.33	32.519	-	7,136	7.19	0.1	212	
0967 MW137	22/10/2019	-	4.5 - 10.5	33.849	1.33	32.519	-	7,136	7.19	0.1	212	Yellow, H2S odour
0967 MW137	6/05/2020	-	4.5 - 10.5	33.849	3.034	30.815	-	3,841	6.95	19	-253	Brown
0967 MW137	14/10/2020	-	4.5 - 10.5	33.849	1.406	32.443	-	8,595	6.89	0.79	-138.3	Yellow
0967 MW137	21/04/2021	-	4.5 - 10.5	33.849	3.1	30.749	-	4,691	6.74	0.78	-175.8	

Appendix D
Table D1
Groundwater Levels and Field Parameters

Location ID	Sample Date	Well Depth (m)		TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	Sample Comments
		bTOC	Screen Interval									
0967 MW137	6/09/2021	-	4.5 - 10.5	33.849	0.658	33.191	-	4,160	6.98	2.75	-204.4	Clear
0967 MW137	19/04/2022	-	4.5 - 10.5	33.849	3.03	30.819	-	4,304	7.32	9.83	-246.4	
0967 MW137	21/09/2022	-	4.5 - 10.5	33.849	0.58	33.269	-	4,874	6.81	0.25	-74.5	Clear, Yellow, H2S odour
0967 MW137	11/04/2023	-	4.5 - 10.5	33.849	3.055	30.794	-	7,024	7.29	-	-205.5	
0967 MW137	14/09/2023	-	4.5 - 10.5	33.849	1.2	32.649	-	5,390	7.28	2.3	-169.8	Yellow, hydrogen sulfur odour
0967 MW137	15/04/2024	-	4.5 - 10.5	33.849	10.5	23.349	-	7,104	7.31	1.34	-206.9	Clear, Yellow
0967 MW137	6/12/2024	9.796	4.5 - 10.5	33.849	2.02	31.829	20.5	3,734	8.35	1.71	-89.5	Yellow/orange, low sediment load, no sheen, no odour
0967 MW137	3/04/2025	9.874	4.5 - 10.5	33.849	3.431	30.418	26.5	8,227	6.97	0.48	-264.8	water yellow colour, low turbidity, no sediment, no odour, no sheen
0967 MW138	5/10/2017	-	6 - 12	28.582	0.901	27.681	-	3,683	7.06	1.26	-83.5	
0967 MW138	5/10/2017	-	6 - 12	28.582	0.901	27.681	-	3,683	7.06	1.26	-83.5	
0967 MW138	5/03/2019	-	6 - 12	28.582	2.295	26.287	-	3,928	7.05	2.06	-66.4	
0967 MW138	29/10/2019	-	6 - 12	28.582	1.61	26.972	-	3,561	6.31	0.68	-61.5	
0967 MW138	29/10/2019	-	6 - 12	28.582	1.61	26.972	-	3,561	6.31	0.68	-61.5	Clear
0967 MW138	5/05/2020	-	6 - 12	28.582	2.52	26.062	-	3,161	6.75	3.45	50.4	Clear
0967 MW138	12/10/2020	-	6 - 12	28.582	1.287	27.295	-	4,185	6.69	0.73	-72.2	Brown
0967 MW138	19/04/2021	-	6 - 12	28.582	2.44	26.142	-	4,142	6.82	1.09	-123.2	Clear
0967 MW138	8/09/2021	-	6 - 12	28.582	0.82	27.762	-	4,527	6.53	0.3	-96.2	Cloudy
0967 MW138	20/04/2022	-	6 - 12	28.582	2.62	25.962	-	4,506	6.89	1.11	-107.7	
0967 MW138	20/09/2022	-	6 - 12	28.582	0.71	27.872	-	3,661	6.84	1.18	24.2	Clear
0967 MW138	12/04/2023	-	6 - 12	28.582	2.536	26.046	-	3,854	7	-	-13.5	
0967 MW138	11/09/2023	-	6 - 12	28.582	1.21	27.372	-	3,722	6.93	0.65	-73.2	Black, hydrogen sulfur odour
0967 MW138	16/04/2024	-	6 - 12	28.582	2.61	25.972	-	4,181	6.89	0.88	-128.5	Clear
0967 MW138	29/11/2024	12.335	6 - 12	28.582	1.518	27.064	24.4	4,171	6.98	1.28	-35.6	Light brown (top) to orange/brown (bottom), low sediment load (top) to high sediment load (bottom), no sheen, slight sulfidic odour
0967 MW138	2/04/2025	12.282	6 - 12	28.582	2.399	26.183	23.8	4,115	6.86	1.18	-192.5	pale grey/black colour, no odour, no sheen, slight turbidity, some black sediment in hydrasleeve
0967 MW139	5/10/2017	-	6 - 12	31.45	2.051	29.399	-	5,995	5.8	1.61	10.8	
0967 MW139	5/10/2017	-	6 - 12	31.45	2.051	29.399	-	5,995	5.8	1.61	10.8	
0967 MW139	5/03/2019	-	6 - 12	31.45	4.017	27.433	-	2,557	5.68	1.94	57.4	
0967 MW139	30/10/2019	-	6 - 12	31.45	2.698	28.752	-	6,199	5.8	0.59	18.9	
0967 MW139	30/10/2019	-	6 - 12	31.45	2.698	28.752	-	6,199	5.8	0.59	18.9	Clear
0967 MW139	5/05/2020	-	6 - 12	31.45	4.495	26.955	-	2,637	4.94	4.26	77.9	Clear
0967 MW139	13/10/2020	-	6 - 12	31.45	2.83	28.62	-	5,232	4.97	3.31	177.3	Clear
0967 MW139	19/04/2021	-	6 - 12	31.45	4.5	26.95	-	2,697	5.07	1.64	150.3	QC102/202, Clear
0967 MW139	7/09/2021	-	6 - 12	31.45	2.345	29.105	-	4,555	5.29	2.95	165	Clear
0967 MW139	19/04/2022	-	6 - 12	31.45	4.52	26.93	-	2,770	5.04	0.95	29	
0967 MW139	20/09/2022	-	6 - 12	31.45	2.35	29.1	-	3,919	5.24	1.42	35.3	Clear
0967 MW139	12/04/2023	-	6 - 12	31.45	4.633	26.817	-	2,584	5.1	0.97	97.4	
0967 MW139	11/09/2023	-	6 - 12	31.45	3.32	28.13	-	2,391	4.85	2.23	-40.3	Brown
0967 MW139	15/04/2024	-	6 - 12	31.45	2.64	28.81	-	2,731	4.73	5.42	274.2	Brown
0967 MW139	5/12/2024	11.33	6 - 12	31.45	3.184	28.266	21.2	4,044	4.94	1.54	-34	Colourless and clear (top) to dark orange/red (bottom), low sediment load (top) to high sediment load (bottom), no sheen, no odour
0967 MW139	1/04/2025	11.283	6 - 12	31.45	4.663	26.787	26.9	2,816	4.69	1.69	-189.1	no colour, no odour, no sheen, no turbidity
0967 MW140D	4/10/2017	-	24 - 30	28.755	9.735	19.02	-	3,285	12.3	0.51	-126.1	
0967 MW140D	7/03/2019	-	24 - 30	28.755	1.948	26.807	-	3,710	7.31	0.35	-117.9	
0967 MW140D	29/10/2019	-	24 - 30	28.755	2.03	26.725	-	3,090	6.92	0.51	-107.8	
0967 MW140D	29/10/2019	-	24 - 30	28.755	2.03	26.725	-	3,090	6.92	0.51	-107.8	Black water
0967 MW140D	5/05/2020	-	24 - 30	28.755	2.245	26.51	-	2,449	8.84	9.45	-69	Clear
0967 MW140D	12/10/2020	-	24 - 30	28.755	2.235	26.52	-	2,513	8.98	1.1	-328.7	Clear
0967 MW140D	19/04/2021	-	24 - 30	28.755	2.35	26.405	-	2,572	7.94	1.04	-280.2	Cloudy, Rotten egg
0967 MW140D	8/09/2021	-	24 - 30	28.755	2.33	26.425	-	2,600	7.89	0.36	-258.8	Brown
0967 MW140D	19/04/2022	-	24 - 30	28.755	2.32	26.435	-	2,600	7.75	0.69	-126.3	
0967 MW140D	20/09/2022	-	24 - 30	28.755	2.19	26.565	-	2,290	7.24	0.32	-15	Clear
0967 MW140D	12/04/2023	-	24 - 30	28.755	2.399	26.356	-	2,458	7.72	1.13	16.6	
0967 MW140D	11/09/2023	-	24 - 30	28.755	2.32	26.435	-	2,406	7.68	0.82	-127.7	Brown
0967 MW140D	16/04/2024	-	24 - 30	28.755	2.49	26.265	-	3,466	3.55	2.28	350.7	Clear
0967 MW140D	29/11/2024	18.072	24 - 30	28.755	2.426	26.329	21	2,712	7.87	2.24	-35.1	Colourless, clear, low sediment load, no sheen, no odour
0967 MW140D	1/04/2025	18.072	24 - 30	28.755	2.433	26.322	23.2	1,785	7.75	3.38	-212.3	no colour, no odour, no sheen, no turbidity, outside of hydrasleeve is slightly black and black particles in water
0967 MW140S	4/10/2017	-	5.6 - 11.6	28.835	1.362	27.473	-	2,631	6.13	1.15	-108.5	
0967 MW140S	7/03/2019	-	5.6 - 11.6	28.835	3.051	25.784	-	2,979	6.06	1.13	-7.2	
0967 MW140S	29/10/2019	-	5.6 - 11.6	28.835	2.06	26.775	-	2,779	5.22	1	46.3	
0967 MW140S	29/10/2019	-	5.6 - 11.6	28.835	2.06	26.775	-	2,779	5.22	1	46.3	Clear
0967 MW140S	5/05/2020	-	5.6 - 11.6	28.835	3.395	25.44	-	3,069	5.31	5.46	57.1	Cloudy, Black
0967 MW140S	12/10/2020	-	5.6 - 11.6	28.835	1.945	26.89	-	3,363	4.91	1.54	0.8	Cloudy, Brown
0967 MW140S	19/04/2021	-	5.6 - 11.6	28.835	3.83	25.005	-	3,328	6.18	0.68	-65.3	Clear, rotten egg
0967 MW140S	8/09/2021	-	5.6 - 11.6	28.835	1.5	27.335	-	3,286	5.5	2.61	96.7	Yellow
0967 MW140S	19/04/2022	-	5.6 - 11.6	28.835	1.82	27.015	-	3,274	6.05	3.14	65.3	
0967 MW140S	20/09/2022	-	5.6 - 11.6	28.835	1.44	27.395	-	2,962	4.95	0.5	7.9	Brown, H2S odour
0967 MW140S	12/04/2023	-	5.6 - 11.6	28.835	2.23	26.605	-	3,003	5.02	0.45	75.5	
0967 MW140S	11/09/2023	-	5.6 - 11.6	28.835	1.98	26.855	-	2,907	4.93	0.9	-74	Clear
0967 MW140S	16/04/2024	-	5.6 - 11.6	28.835	3.04	25.795	-	3,388	3.55	2.84	371.9	Clear
0967 MW140S	29/11/2024	10.774	5.6 - 11.6	28.835	2.005	26.83	21.6	3,246	5.16	0.87	-35.9	Light brown (top) to orange/brown (bottom), low sediment load (top) to high sediment load (bottom), no sheen, no odour
0967 MW140S	1/04/2025	10.773	5.6 - 11.6	28.835	3.193	25.642	24.2	3,279	4.85	1	-224	pale brown, no odour, no sheen, moderate turbidity, sediment at bottom of hydrasleeve grey colour
0967 MW142	4/10/2017	-	6 - 12	38.648	0.419	38.229	-	2,885	6.22	3.92	44.2	
0967 MW142	7/11/2022	-	6 - 12	38.648	0.68	37.968	-	3,185	5.69	2	103.5	No odour, no sheen, pale orange, moderate turbidity
0967 MW142	10/10/2023	-	6 - 12	38.648	0.709	37.939	-	3,637	5.74	1.85	79.4	Pale yellow, moderate turbidity, low sediment load, slightly organic odour, no sheen
0967 MW142	9/09/2024	-	6 - 12	38.648	0.37	38.278	-	4,028	5.81	1.25	-51	Clear, low turbidity, no odour
0967 MW146	10/10/2017	-	13 - 19	55.315	16.437	38.878	-	1,906	7.39	2.83	94.3	
0967 MW146	11/10/2017	-	13 - 19	55.315	16.437	38.878	-	2,496	6.98	1.5	-175.5	
0967 MW146	7/03/2019	-	13 - 19	55.315	16.132	39.183	-	5,536	4.16	1.03	217.9	

Location ID	Sample Date	Well Depth (m)		TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	Sample Comments
		bTOC)	Screen Interval									
0967 MW146	23/10/2019	-	13 - 19	55.315	16.145	39.17	-	5,817	4.07	-	299.7	
0967 MW146	23/10/2019	-	13 - 19	55.315	16.145	39.17	-	5,817	4.07	-	299.7	No reading DO
0967 MW146	4/05/2020	-	13 - 19	55.315	16.817	38.498	-	4,365	3.65	5.65	93.6	Cloudy,Brown
0967 MW146	12/10/2020	-	13 - 19	55.315	16.5	38.815	-	5,372	3.98	1.66	247.7	Clear
0967 MW146	19/04/2021	-	13 - 19	55.315	16.905	38.41	-	5,142	3.84	1.08	347.1	Brown
0967 MW146	8/09/2021	-	13 - 19	55.315	16.66	38.655	-	2,096	6.22	1.13	-67.2	Cloudy
0967 MW146	19/04/2022	-	13 - 19	55.315	13.97	41.345	-	4,104	5.06	0.81	-13	
0967 MW146	22/09/2022	-	13 - 19	55.315	16.488	38.827	-	3,509	5.64	1.3	92.3	Clear
0967 MW146	12/04/2023	-	13 - 19	55.315	16.72	38.595	-	3,820	5.08	1.06	10	
0967 MW146	13/09/2023	-	13 - 19	55.315	16.56	38.755	-	3,486	5.29	4.02	12.1	Brown,Cloudy
0967 MW146	16/04/2024	-	13 - 19	55.315	14.13	41.185	-	3,262	5.57	1.08	158.4	Cloudy
0967 MW146	3/12/2024	19.61	13 - 19	55.315	16.879	38.436	23	2,721	5.75	0.86	-44.8	Colourless, clear, low sediment load, no sheen, slight sulfidic odour
0967 MW146	2/04/2025	19.587	13 - 19	55.315	17.299	38.016	22.1	3,810	5.12	0.82	-188.4	no colour, no odour, no sheen, slight turbidity, some brown sediment. in hydrasleeve
0967 MW149	10/10/2017	-	12 - 18	44.355	11.305	33.05	-	2,015	9.75	1.8	2.7	
0967 MW149	6/03/2019	-	12 - 18	44.355	11.544	32.811	-	2,476	6.43	0.13	43.2	
0967 MW149	29/10/2019	-	12 - 18	44.355	11.35	33.005	-	4,905	5.18	-	98.2	
0967 MW149	29/10/2019	-	12 - 18	44.355	11.35	33.005	-	4,905	5.18	-	98.2	No DO reading
0967 MW149	4/05/2020	-	12 - 18	44.355	12.1	32.255	-	3,980	5.15	5.03	85.6	
0967 MW149	12/10/2020	-	12 - 18	44.355	11.665	32.69	-	4,850	4.96	1.57	115.4	Clear
0967 MW149	20/04/2021	-	12 - 18	44.355	12.3	32.055	-	4,682	5.83	1.63	103.9	Yellow
0967 MW149	8/09/2021	-	12 - 18	44.355	15.62	28.735	-	2,702	7.06	3.04	-75.3	
0967 MW149	19/04/2022	-	12 - 18	44.355	12.344	32.011	-	4,726	5.1	1.28	125.6	
0967 MW149	19/09/2022	-	12 - 18	44.355	11.691	32.664	-	4,318	6.74	1.38	-88.4	Cloudy
0967 MW149	17/04/2023	-	12 - 18	44.355	12.33	32.025	-	4,520	5.59	1.39	46.2	Hydra sleeve snapped bailer required
0967 MW149	13/09/2023	-	12 - 18	44.355	12.14	32.215	-	3,985	6.14	3.6	-50	Brown
0967 MW149	15/04/2024	-	12 - 18	44.355	6.27	38.085	-	4,869	4.79	1.39	181.8	Cloudy
0967 MW149	5/12/2024	18.02	12 - 18	44.355	12.189	32.166	19.8	2,610	6.64	0.83	-36.4	Colourless, clear, low sediment load, no sheen, no odour
0967 MW149	1/04/2025	15.022	12 - 18	44.355	12.883	31.472	23.7	4,663	5.55	1.3	-180.3	no colour, no odour, some brown sediment at the bottom of the hydrasleeve, some roots on the top of the hydrasleeve, no turbidy in sampled
0967 MW150	10/10/2017	-	16 - 22	50.609	16.497	34.112	-	3,213	12.32	2.23	-48.7	
0967 MW150	7/03/2019	-	16 - 22	50.609	16.312	34.297	-	1,882	8.62	1.7	23.6	
0967 MW150	29/10/2019	-	16 - 22	50.609	16.305	34.304	-	1,934	8.06	2.32	-72.7	
0967 MW150	29/10/2019	-	16 - 22	50.609	16.305	34.304	-	1,934	8.06	2.32	-72.7	Clear
0967 MW150	4/05/2020	-	16 - 22	50.609	16.67	33.939	-	2,235	6.66	5.91	73.5	Clear
0967 MW150	12/10/2020	-	16 - 22	50.609	16.523	34.086	-	2,207	6.9	3.64	9	Clear,Brown
0967 MW150	20/04/2021	-	16 - 22	50.609	16.845	33.764	-	2,280	7.28	1.16	28.7	Cloudy
0967 MW150	7/09/2021	-	16 - 22	50.609	16.93	33.679	-	2,409	6.76	1.76	200.6	Clear
0967 MW150	20/04/2022	-	16 - 22	50.609	16.945	33.664	-	2,212	6.62	1.48	88.9	
0967 MW150	19/09/2022	-	16 - 22	50.609	16.75	33.859	-	2,029	6.71	2.95	-55.1	Cloudy,Clear, H2S odour
0967 MW150	17/04/2023	-	16 - 22	50.609	16.91	33.699	-	2,310	6.5	1.12	100.6	
0967 MW150	13/09/2023	-	16 - 22	50.609	16.86	33.749	-	2,014	6.56	2.01	26	Cloudy
0967 MW150	15/04/2024	-	16 - 22	50.609	17.14	33.469	-	2,402	6.26	1.58	145.5	Clear
0967 MW150	3/12/2024	22.612	16 - 22	50.609	-	-	21.4	2,416	6.26	1.1	-36.9	Colourless, clear, low sediment load, no sheen, no odour
0967 MW150	1/04/2025	22.592	16 - 22	50.609	17.329	33.28	23.2	2,504	6.11	1.34	-141.9	no colour, no odour, no sediment, no turbidity
0967 MW155S	22/09/2020	-	8 - 14.5	48.59	12.222	36.368	-	6,025	5.52	1.85	141.1	Highly turbid, orange-brown, no odour, no sheen, high sediment load
0967 MW155S	17/02/2021	-	8 - 14.5	48.59	12.424	36.166	-	6,194	5.35	0.24	-124.3	Milky reb brown to light brown, no odour, no sheen, high to moderate sediment load.
0967 MW155S	29/04/2021	-	8 - 14.5	48.59	12.1	36.49	-	5,791	5.55	1.9	165.6	
0967 MW155S	20/09/2021	-	8 - 14.5	48.59	12.37	36.22	-	6,065	6	1.35	-63.6	Cloudy
0967 MW155S	21/10/2021	-	8 - 14.5	48.59	12.268	36.322	-	6,535	5.54	1.2	150.3	No odour, no sheen, pale brown to brown, moderate turbidity
0967 MW155S	28/04/2022	-	8 - 14.5	48.59	12.56	36.03	-	7,142	5.24	1.9	5.24	
0967 MW155S	22/09/2022	-	8 - 14.5	48.59	12.275	36.315	-	6,463	5.15	1.64	86	Cloudy
0967 MW155S	20/11/2022	-	8 - 14.5	48.59	12.168	36.422	-	6,084	5.37	2.49	116.9	No odour, no sheen, orange, moderate turbidity
0967 MW155S	24/04/2023	-	8 - 14.5	48.59	12.46	36.13	-	6,353	5.35	2.73	47.7	
0967 MW155S	25/09/2023	-	8 - 14.5	48.59	12.52	36.07	-	6,831	5.37	2.21	-6.9	Clear
0967 MW155S	17/04/2024	-	8 - 14.5	48.59	12.64	35.95	-	7,566	5.34	1.94	106.9	Brown
0967 MW155S	29/11/2024	14.762	8 - 14.5	48.59	12.596	35.994	23.7	382.7	5.87	7.82	8.2	Colourless, clear, low sediment load, no sheen, no odour
0967 MW155S	7/04/2025	13.893	8 - 14.5	48.59	12.884	35.706	25.4	7,728	5.09	1.04	-237.4	clear, low turbidity, low sediment, no sheen , no odour, organic matter
0967 MW202	11/10/2017	-	9.3 - 12.3	52.594	6.905	45.689	-	718	6.07	1.33	33.9	
0967 MW202	7/03/2019	-	9.3 - 12.3	52.594	8.191	44.403	-	739	5.92	2.24	31.9	
0967 MW202	22/10/2019	-	9.3 - 12.3	52.594	6.825	45.769	-	857	5.88	1.15	127.5	
0967 MW202	22/10/2019	-	9.3 - 12.3	52.594	6.825	45.769	-	857	5.88	1.15	127.5	Clear
0967 MW202	14/10/2020	-	9.3 - 12.3	52.594	7.88	44.714	-	815	6.09	4.27	-84.3	Clear
0967 MW202	21/04/2021	-	9.3 - 12.3	52.594	6.3	46.294	-	884	6.17	2.39	72.5	Clear
0967 MW202	8/09/2021	-	9.3 - 12.3	52.594	7.12	45.474	-	886	5.78	2.41	-66.8	Clear
0967 MW202	25/10/2021	-	9.3 - 12.3	52.594	6.964	45.63	-	1,381	6.51	3.01	130.7	Mild organic odour, no sheen, pale orange, high turbidity
0967 MW202	19/04/2022	-	9.3 - 12.3	52.594	9.19	43.404	-	1,616	6.28	2.19	-44.6	
0967 MW202	21/09/2022	-	9.3 - 12.3	52.594	6.645	45.949	-	2,486	6.49	3.22	14.9	Clear
0967 MW202	7/11/2022	-	9.3 - 12.3	52.594	6.672	45.922	-	3,238	6.15	1.16	16.7	No odour, no sheen, colourless, low turbidity
0967 MW202	12/04/2023	-	9.3 - 12.3	52.594	9.05	43.544	-	2,762	6.33	3.2	4.2	
0967 MW202	19/09/2023	-	9.3 - 12.3	52.594	7.71	44.884	-	1,879	6.17	2.02	-31.4	Clear
0967 MW202	12/10/2023	-	9.3 - 12.3	52.594	7.902	44.692	-	1,783	6.25	2.45	157	Colourless, moderate turbidity, low sediment load, no odour, no sheen
0967 MW202	16/04/2024	-	9.3 - 12.3	52.594	12.3	40.294	-	1,274	6.13	1.55	132.1	Cloudy
0967 MW202	12/09/2024	-	9.3 - 12.3	52.594	7.93	44.664	-	1,192	6.1	1.38	25.4	Clear, low turbidity, no odour
0967 MW202	5/12/2024	12.96	9.3 - 12.3	52.594	7.959	44.635	23.6	1,145	5.98	0.86	-46.6	Colourless, clear, low sediment load, no sheen, no odour
0967 MW202	3/04/2025	12.95	9.3 - 12.3	52.594	9.838	42.756	22.9	1,037	5.92	1.72	-188.9	clear, low turbidity, little sediment load, no sheen, no odour. low water depth checked multiple times
0967 MW205	11/10/2017	-	6 - 9	44.96	4.076	40.884	-	1,717	6.06	1.76	-32.9	
0967 MW205	7/03/2019	-	6 - 9	44.96	6.832	38.128	-	2,386	5.54	1.36	4.4	
0967 MW205	22/10/2019	-	6 - 9	44.96	3.98	40.98	-	2,280	6.16	0.7	26	

Appendix D
Table D1
Groundwater Levels and Field Parameters

Location ID	Sample Date	Well Depth (m)		TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	Sample Comments
		bTOC)	Screen Interval									
0967_MW205	22/10/2019	-	6 - 9	44.96	3.98	40.98	-	2,280	6.16	0.7	26	Clear
0967_MW205	14/10/2020	-	6 - 9	44.96	6.045	38.915	-	2,617	5.88	3.45	-94.3	Clear,Brown
0967_MW205	21/04/2021	-	6 - 9	44.96	8.21	36.75	-	2,424	5.41	2.17	199.3	Cloudy
0967_MW205	8/09/2021	-	6 - 9	44.96	4.01	40.95	-	2,349	5.27	1.07	-35.6	Clear
0967_MW205	19/04/2022	-	6 - 9	44.96	7.53	37.43	-	2,637	6.39	0.04	-117.4	
0967_MW205	21/09/2022	-	6 - 9	44.96	3.561	41.399	-	2,955	5.61	0.48	27.1	Brown
0967_MW205	19/09/2023	-	6 - 9	44.96	3.84	41.12	-	3,278	5.87	4.79	-50.2	Brown
0967_MW205	16/04/2024	-	6 - 9	44.96	9	35.96	-	3,447	5.83	1.49	65.2	Cloudy
0967_MW205	5/12/2024	8.464	6 - 9	44.96	5.372	39.588	21.8	3,080	5.81	0.8	-52.7	Colourless, clear, low sediment load, no sheen, sulfidic odour
0967_MW205	3/04/2025	8.525	6 - 9	44.96	8.323	36.637	25.2	1,640	5.76	1.33	-159.5	clear water, low turbidity, some floating bugs and ants in sleeve, no sheen, smells like dead bugs/ants, roots on dipper
0967_MW218	31/10/2016	-	0.4 - 10	44	1.78	42.22	-	303.6	6.86	0.96	55	
0967_MW218	18/09/2017	-	0.4 - 10	44	1.291	42.709	-	289.9	6.33	1.86	144.6	
0967_MW218	6/03/2019	-	0.4 - 10	44	3.541	40.459	-	419.5	6.8	1.33	11.9	
0967_MW218	29/10/2019	-	0.4 - 10	44	2.08	41.92	-	409	6.05	4.84	87.3	
0967_MW218	29/10/2019	-	0.4 - 10	44	2.08	41.92	-	409	6.05	4.84	87.3	Clear
0967_MW218	13/05/2020	-	0.4 - 10	44	10	34	-	1,140	5.42	2.25	47.1	Clear
0967_MW218	22/10/2020	-	0.4 - 10	44	2.36	41.64	-	3,712	6.39	1.7	37.3	Brown,Cloudy
0967_MW218	21/04/2021	-	0.4 - 10	44	4.18	39.82	-	370.5	6.41	0.79	111.9	Cloudy
0967_MW218	9/09/2021	-	0.4 - 10	44	1.21	42.79	-	682	6.74	0.53	-52.4	Orange very clayey
0967_MW218	20/04/2022	-	0.4 - 10	44	4.26	39.74	-	407.8	6.61	0.65	-20.6	
0967_MW218	22/09/2022	-	0.4 - 10	44	1.055	42.945	-	170	6.68	1.26	61	Brown
0967_MW218	12/04/2023	-	0.4 - 10	44	4.34	39.66	-	782	6.91	0.88	0.9	
0967_MW218	19/09/2023	-	0.4 - 10	44	1.1	42.9	-	342.6	7.48	5.83	-18.8	Clear
0967_MW218	16/04/2024	-	0.4 - 10	44	4.745	39.255	-	410.7	6.49	0.5	108.2	Brown
0967_MW218	6/12/2024	7.07	0.4 - 10	44	2.894	41.106	22.5	440.9	6.97	0.94	-70.7	Orange, high sediment load, no sheen, no odour
0967_MW218	3/04/2025	7.093	0.4 - 10	44	4.612	39.388	24.8	448.1	6.51	1.31	-203.1	red colour water, red/brown sediment at base, no sheen, no odour
0967_POT003	4/09/2017	-	-	-	-	-	-	1,236	7.53	1.09	37.7	clear, no odour
0967_POT003	11/10/2018	-	-	-	-	-	-	1,372	7.35	4.41	114.9	
0967_POT003	5/03/2019	-	-	-	-	-	-	1,217	7.7	1.32	82.8	
0967_POT003	7/11/2019	-	-	-	-	-	-	1,265	7.61	0.45	-43.2	
0967_POT003	7/11/2019	-	-	-	-	-	-	1,265	7.61	0.45	-43.2	Clear
0967_POT003	14/10/2020	-	-	-	-	-	-	1,146	7.2	3.63	46.4	
0967_POT003	21/04/2021	-	-	-	-	-	-	1,093	7.58	3.79	26.1	Clear
0967_POT003	14/09/2021	-	-	-	-	-	-	1,111	7.79	4.09	-2.2	Sample taken at tap on back porch
0967_POT003	27/04/2022	-	-	-	-	-	-	1,214	7.4	0.62	-105.3	Clear
0967_POT003	22/09/2022	-	-	-	-	-	-	778	7.91	4.72	60.8	Clear
0967_POT003	19/04/2023	-	-	-	-	-	-	615	7.76	4.49	70.5	
0967_POT003	15/09/2023	-	-	-	-	-	-	1,037	7.32	1.16	90	Clear
0967_POT003	16/04/2024	-	-	-	-	-	-	1,248	7.38	0.82	111.6	Clear
0967_POT003	11/12/2024	-	-	-	-	-	27	1,239	7.5	0.98	78.9	Colourless, clear, no sediment load, no sheen, no odour
0967_POT003	20/03/2025	-	-	-	-	-	29.6	1,201	7.49	780	-191	clear, colourless, no sediment load, no sheen, no odour
0967_POT009	6/09/2017	-	-	-	-	-	-	1,442	5.19	1.75	184.5	
0967_POT009	22/10/2018	-	-	-	-	-	-	1,536	6.58	1.81	70.7	
0967_POT009	12/03/2019	-	-	-	-	-	-	1,893	6.16	2.44	179.1	
0967_POT009	1/11/2019	-	-	-	-	-	-	1,813	5.41	1.75	-61.3	
0967_POT009	1/11/2019	-	-	-	-	-	-	1,813	5.41	1.75	-61.3	Clear
0967_POT009	11/05/2020	-	-	-	-	-	-	2,275	5.21	3.92	66.1	Clear
0967_POT009	12/10/2020	-	-	-	-	-	-	1,705	6.45	4.23	19.2	Clear
0967_POT009	22/04/2021	-	-	-	-	-	-	1,132	6.43	1.78	126.4	Clear
0967_POT009	13/09/2021	-	-	-	-	-	-	1,960	5.77	1.76	163.6	Sample taken at tap on back porch
0967_POT009	22/04/2022	-	-	-	-	-	-	1,870	5.97	4.52	136.6	Clear
0967_POT009	19/09/2022	-	-	-	-	-	-	652	6.36	6.23	1.5	Clear
0967_POT009	12/04/2023	-	-	-	-	-	-	1,361	6.19	4.52	43.5	
0967_POT009	22/09/2023	-	-	-	-	-	-	1,744	5.42	1.88	-2.5	Clear
0967_POT009	16/04/2024	-	-	-	-	-	-	1,348	6.39	5.87	84.1	Clear
0967_POT009	11/12/2024	-	-	-	-	-	34.6	1,415	5.52	1.81	107.2	Colourless, slightly cloudy, no sediment load, no sheen, slight hydrocarbon odour
0967_POT009	18/03/2025	-	-	-	-	-	28	1,021	5.45	1.26	-186.4	clear, colourless, no sediment load, no sheen, no odour.
0967_POT014	4/09/2017	-	-	-	-	-	-	684	7.63	3.82	-78	clear, no odour
0967_POT014	19/03/2019	-	-	-	-	-	-	756	7.77	1.93	-35.7	
0967_POT014	28/10/2019	-	-	-	-	-	-	678	6.63	0.26	-52.2	
0967_POT014	28/10/2019	-	-	-	-	-	-	678	6.63	0.26	-52.2	Clear
0967_POT014	11/05/2020	-	-	-	-	-	-	479.2	7.44	8.5	58.6	Clear
0967_POT014	13/10/2020	-	-	-	-	-	-	837	6.89	4.49	-66.9	Clear
0967_POT014	13/10/2020	-	-	-	-	-	-	803	7.22	4.95	126.7	Clear
0967_POT014	27/04/2021	-	-	-	-	-	-	629	7.87	3.35	121.6	Clear
0967_POT014	14/09/2021	-	-	-	-	-	-	706	8.2	4.93	-255.8	Sample taken at tap next to work shed
0967_POT014	2/05/2022	-	-	-	-	-	-	794	7.41	2.6	51.5	Taken from sprinkler
0967_POT014	22/09/2022	-	-	-	-	-	-	810	7.45	2.63	53.5	Clear
0967_POT014	18/04/2023	-	-	-	-	-	-	723	7.36	8.35	35	
0967_POT014	18/09/2023	-	-	-	-	-	-	955	7.63	7.49	-13.4	Clear
0967_POT014	16/04/2024	-	-	-	-	-	-	896	7.68	3.72	98	Clear
0967_POT015	4/09/2017	-	-	-	-	-	-	802	7.05	1.55	6.7	
0967_POT015	30/10/2018	-	-	-	-	-	-	65.3	7.15	5.68	139.1	
0967_POT015	19/03/2019	-	-	-	-	-	-	827	7.45	4.09	140	
0967_POT015	28/10/2019	-	-	-	-	-	-	678	6.73	7.49	-20	
0967_POT015	28/10/2019	-	-	-	-	-	-	678	6.73	7.49	-20	Clear
0967_POT015	15/05/2020	-	-	-	-	-	-	414.3	7	6.67	90.7	Cloudy

Appendix D
Table D1
Groundwater Levels and Field Parameters

Location ID	Sample Date	Well Depth (m	Screen Interval	TOC Elevation	Depth to	Groundwater	Temperature	EC (µS/cm)	pH Field	DO (mg/L)	Redox (mV)	Sample Comments
		bTOC)		(mAHD)	Water (m	Elevation	(°C) Field	Field		Field	Field	
					bTOC)	(mAHD)	Measurement	Measurement	Measurement	Measurement	Measurement	
0967 POT015	27/04/2021	-	-	-	-	-	-	832	7.34	2.54	133.1	Clear
0967 POT015	14/09/2021	-	-	-	-	-	-	723	7.83	1.08	-239.3	Taken from sprinkler system
0967 POT015	2/05/2022	-	-	-	-	-	-	910	7.14	1.5	-8.3	Clear
0967 POT015	23/09/2022	-	-	-	-	-	-	925	6.95	1	-107.8	Clear
0967 POT015	14/04/2023	-	-	-	-	-	-	854	7.2	1.26	-121.2	
0967 POT015	14/09/2023	-	-	-	-	-	-	736	7.12	1.03	-22.8	Clear
0967 POT015	15/04/2024	-	-	-	-	-	-	944	7.18	0.47	-102.9	Clear
0967 POT019	4/08/2016	-	-	-	-	-	-	1,298	6.28	3.25	130.5	
0967 POT019	15/10/2018	-	-	-	-	-	-	3,346	5.92	1.26	120.9	
0967 POT019	5/03/2019	-	-	-	-	-	-	4,380	5.07	0.52	159.7	
0967 POT019	1/11/2019	-	-	-	-	-	-	3,866	5.23	1.19	-67.1	
0967 POT019	1/11/2019	-	-	-	-	-	-	3,866	5.23	1.19	-67.1	Clear
0967 POT019	11/05/2020	-	-	-	-	-	-	4,254	5.51	3.52	80.3	Clear
0967 POT019	12/10/2020	-	-	-	-	-	-	394.5	5	5.16	91	
0967 POT019	19/04/2021	-	-	-	-	-	-	4,717	5.88	1.26	144.8	Clear
0967 POT019	13/09/2021	-	-	-	-	-	-	2,050	7.01	3.1	85.1	Taken from large green tank
0967 POT019	26/04/2022	-	-	-	-	-	-	4,339	5.16	2.57	160.8	Clear
0967 POT019	20/09/2022	-	-	-	-	-	-	3,802	6.35	5.31	62.6	Clear
0967 POT019	14/04/2023	-	-	-	-	-	-	3,860	4.98	10.35	66.8	
0967 POT019	18/09/2023	-	-	-	-	-	-	4,059	5.39	3.57	-13	Clear, H2S odour
0967 POT019	17/04/2024	-	-	-	-	-	-	4,301	5.11	0.71	135	Clear
0967 POT019	18/03/2025	-	-	-	-	-	22.2	4,487	4.84	1.23	-159.2	clear, colourless, no sediment load, no sheen, no odour
0967 POT020	6/09/2017	-	-	-	-	-	-	3,827	5.79	0.53	6.9	
0967 POT020	30/10/2018	-	-	-	-	-	-	3,741	6.2	3.44	176.9	
0967 POT020	13/05/2020	-	-	-	-	-	-	3,870	5.28	1.13	-102.5	Brown,Cloudy
0967 POT020	13/10/2020	-	-	-	-	-	-	1,886	5.52	1.8	87.3	
0967 POT020	22/04/2021	-	-	-	-	-	-	2,428	5.87	0.65	58.1	Clear
0967 POT020	17/09/2021	-	-	-	-	-	-	1,915	6.4	1.56	-160.3	Take at old tank adjacent to shed
0967 POT020	16/09/2022	-	-	-	-	-	-	5,054	5.69	9.13	11.2	Clear
0967 POT020	16/09/2022	-	-	-	-	-	-	1,504	5.71	0.89	45	Clear
0967 POT020	19/04/2023	-	-	-	-	-	-	1,586	5.81	8.89	10	
0967 POT020	18/09/2023	-	-	-	-	-	-	187.3	6.45	7.03	0.8	Clear
0967 POT020	18/04/2024	-	-	-	-	-	-	1,146	5.88	1.74	33.2	Clear
0967 POT020	12/12/2024	-	-	-	-	-	26	1,286	5.86	1.02	65.6	Colourless, clear, no sediment load, no sheen, no odour
0967 POT021	7/09/2017	-	-	-	-	-	-	409.8	7.73	0.47	-83.4	clear, no odour
0967 POT021	11/10/2018	-	-	-	-	-	-	493	7.37	0.88	-42.7	
0967 POT021	1/11/2019	-	-	-	-	-	-	476.5	7.82	2.73	-79.7	
0967 POT021	1/11/2019	-	-	-	-	-	-	476.5	7.82	2.73	-79.7	Clear
0967 POT021	29/10/2020	-	-	-	-	-	-	685	6.38	5.1	52.8	
0967 POT021	27/04/2021	-	-	-	-	-	-	454.7	7.97	5.77	90.4	Clear
0967 POT021	14/09/2021	-	-	-	-	-	-	667	8	6.08	6.3	Sampled from tap at work shed
0967 POT021	27/04/2022	-	-	-	-	-	-	722	7.22	2.11	-4.8	Cloudy
0967 POT021	21/09/2022	-	-	-	-	-	-	757	7.32	0.5	-59.4	Clear
0967 POT021	14/04/2023	-	-	-	-	-	-	728	8.11	4.57	82.6	
0967 POT021	18/09/2023	-	-	-	-	-	-	722	8.01	6.23	-17.1	Clear
0967 POT021	16/04/2024	-	-	-	-	-	-	819	7.08	5.45	83.4	Clear
0967 POT021	20/03/2025	-	-	-	-	-	23.3	803	7.33	2.39	-195.3	clear, colourless, no sediment load, no sheen, no odour.
0967 POT027	5/09/2017	-	-	-	-	-	-	682	7.77	4.05	128.4	
0967 POT027	15/10/2018	-	-	-	-	-	-	608	7.26	3.12	50.9	
0967 POT027	5/03/2019	-	-	-	-	-	-	1,207	7.78	2.15	150.8	
0967 POT027	1/11/2019	-	-	-	-	-	-	848	7.89	4.54	-27.2	
0967 POT027	1/11/2019	-	-	-	-	-	-	848	7.89	4.54	-27.2	Clear
0967 POT027	11/05/2020	-	-	-	-	-	-	1,258	7.48	3.44	69.9	Clear
0967 POT027	12/10/2020	-	-	-	-	-	-	579	7.13	3.81	123.4	
0967 POT027	20/04/2021	-	-	-	-	-	-	1,229	7.3	2.77	100.3	Clear
0967 POT027	14/09/2021	-	-	-	-	-	-	669	7.76	3.54	-72	Sampled at tap on front porch
0967 POT027	27/04/2022	-	-	-	-	-	-	1,259	7.47	4.22	-49.9	Clear
0967 POT027	26/09/2022	-	-	-	-	-	-	885	6.92	2.9	55	Clear
0967 POT027	14/04/2023	-	-	-	-	-	-	1,099	7.6	3.19	52.6	
0967 POT027	18/09/2023	-	-	-	-	-	-	669	7.52	3.33	-2.2	Clear
0967 POT027	16/04/2024	-	-	-	-	-	-	1,391	7.44	1.93	103.5	Clear
0967 POT027	10/12/2024	-	-	-	-	-	35.4	1,426	7.4	1.21	64.6	Colourless, clear, very low sediment load, no sheen, no odour
0967 POT027	18/03/2025	-	-	-	-	-	31.2	1,485	7.38	2.05	-203.9	clear, colourless, no odour, no sediment load, no sheen
0967 POT029	6/09/2017	-	-	-	-	-	-	387.6	7.71	1.79	-26	clear, no odour
0967 POT029	12/10/2018	-	-	-	-	-	-	482.7	7.55	0.88	-9.4	
0967 POT029	8/03/2019	-	-	-	-	-	-	615	7.84	0.9	-88.2	
0967 POT029	28/10/2019	-	-	-	-	-	-	536	7.21	1.05	20.3	
0967 POT029	28/10/2019	-	-	-	-	-	-	536	7.21	1.05	20.3	Clear
0967 POT029	15/05/2020	-	-	-	-	-	-	314.6	7.43	3.39	134.4	Clear
0967 POT029	13/10/2020	-	-	-	-	-	-	526	7.28	4.36	37.9	Clear
0967 POT029	22/04/2021	-	-	-	-	-	-	720	7.2	2.64	53.1	Clear
0967 POT029	14/09/2021	-	-	-	-	-	-	593	7.72	2.87	-127.3	Taken at tap in back garden
0967 POT029	22/04/2022	-	-	-	-	-	-	614	7.63	1.63	-32.3	Clear
0967 POT029	19/09/2022	-	-	-	-	-	-	557.4	7.58	1.13	-2.4	Clear
0967 POT029	17/04/2023	-	-	-	-	-	-	381.4	7.64	0.99	-2.1	
0967 POT029	22/09/2023	-	-	-	-	-	-	569	7.15	1.47	-11.2	Clear
0967 POT029	17/04/2024	-	-	-	-	-	-	647	7.89	1.77	99.7	Clear

Appendix D
Table D1
Groundwater Levels and Field Parameters

Location ID	Sample Date	Well Depth (m	Screen Interval	TOC Elevation	Depth to	Groundwater	Temperature	EC (µS/cm)	pH Field	DO (mg/L)	Redox (mV)	Sample Comments
		bTOC)		(mAHD)	Water (m	Elevation	(°C) Field	Field		Field	Field	
					bTOC)	(mAHD)	Measurement	Measurement	Measurement	Measurement	Measurement	
0967 POT029	11/12/2024	-	-	-	-	-	24.5	473	7.71	1.4	31.9	Colourless, slightly cloudy, no sediment load, no sheen, slight sulfidic odour
0967 POT029	19/03/2025	-	-	-	-	-	22	502	7.57	3.88	-194.9	clear, colourless, no sediment load, no sheen, no odour
0967 POT030	17/01/2017	-	-	-	-	-	-	1,276	7.79	4.17	105	
0967 POT030	8/09/2017	-	-	-	-	-	-	1,080	7.76	4.21	115.9	clear, no odour
0967 POT030	11/10/2018	-	-	-	-	-	-	1,289	7.8	5.24	116.4	
0967 POT030	6/06/2019	-	-	-	-	-	-	1,264	7.8	2.3	163.1	
0967 POT030	11/05/2020	-	-	-	-	-	-	1,592	7.6	4.21	84.6	Clear
0967 POT030	20/04/2021	-	-	-	-	-	-	1,433	7.7	3.71	140.4	
0967 POT030	21/09/2021	-	-	-	-	-	-	1,379	7.89	4.7	135.1	Sample taken at corner of shed behind house
0967 POT030	27/04/2022	-	-	-	-	-	-	1,482	7.63	4.11	127.9	Clear
0967 POT030	21/09/2022	-	-	-	-	-	-	1,591	7.61	0.75	-96.5	Clear
0967 POT030	14/04/2023	-	-	-	-	-	-	1,386	7.83	4.01	109.2	
0967 POT030	22/09/2023	-	-	-	-	-	-	1,500	7.62	4.26	70.6	Clear
0967 POT030	16/04/2024	-	-	-	-	-	-	1,605	7.7	3.05	97.7	Cloudy
0967 POT030	11/12/2024	-	-	-	-	-	35.8	1,760	7.64	2.87	90.6	Colourless, clear, no sediment load, no sheen, no odour
0967 POT030	18/03/2025	-	-	-	-	-	23.7	1,744	7.76	3.68	-129.5	clear, colourless, no sediment load, no odour, no sheen.
0967 POT031	5/09/2017	-	-	-	-	-	-	1,086	8.06	7.8	125.1	clear, no odour
0967 POT031	11/10/2018	-	-	-	-	-	-	1,508	7.52	1.99	132.6	
0967 POT031	5/03/2019	-	-	-	-	-	-	1,586	8.1	1.77	194.6	
0967 POT031	28/10/2019	-	-	-	-	-	-	1,265	7.01	3.09	12.7	
0967 POT031	28/10/2019	-	-	-	-	-	-	1,265	7.01	3.09	12.7	Clear
0967 POT031	11/05/2020	-	-	-	-	-	-	1,681	7.55	6.81	70.3	Clear
0967 POT031	13/10/2020	-	-	-	-	-	-	1,324	7.42	3.46	90.9	
0967 POT031	20/04/2021	-	-	-	-	-	-	1,375	7.71	4.05	126.8	Clear
0967 POT031	13/09/2021	-	-	-	-	-	-	1,297	7.4	4.46	91.2	
0967 POT031	22/04/2022	-	-	-	-	-	-	1,407	7.77	3.9	118.9	Clear
0967 POT031	19/09/2022	-	-	-	-	-	-	1,343	8	3.34	34.8	Clear
0967 POT031	14/04/2023	-	-	-	-	-	-	1,328	7.73	3	120.1	
0967 POT031	19/09/2023	-	-	-	-	-	-	1,196	7.65	3.78	11.6	Clear
0967 POT031	22/04/2024	-	-	-	-	-	-	1,528	7.22	0.49	12.8	Clear
0967 POT031	11/12/2024	-	-	-	-	-	27.3	1,095	6.99	1.17	86.9	Colourless, clear, no sediment load, no sheen, no odour, flocculants present
0967 POT031	18/03/2025	-	-	-	-	-	26.6	1,417	7.33	0.8	-213.7	pale orange, clear, very low sediment load, no sheen, very faint sulfidic odour.
0967 POT032	4/09/2017	-	-	-	-	-	-	396.6	7.71	1.12	-88.5	clear, no sediment, no odour
0967 POT032	10/10/2018	-	-	-	-	-	-	464	7.52	1.9	-29.7	
0967 POT032	5/03/2019	-	-	-	-	-	-	485	7.89	0.4	-136.3	
0967 POT032	28/10/2019	-	-	-	-	-	-	476.7	7.16	1.49	74.8	
0967 POT032	28/10/2019	-	-	-	-	-	-	476.7	7.16	1.49	74.8	Clear
0967 POT032	13/10/2020	-	-	-	-	-	-	448.4	7.21	1.92	27.3	
0967 POT032	22/04/2021	-	-	-	-	-	-	467.7	7.99	0.73	15.3	Clear
0967 POT032	27/04/2022	-	-	-	-	-	-	459.9	7.75	1.24	87.9	Clear
0967 POT032	19/09/2022	-	-	-	-	-	-	506.6	7.09	3.34	19.9	Clear
0967 POT032	13/04/2023	-	-	-	-	-	-	564	7.29	1.78	20	
0967 POT032	14/09/2023	-	-	-	-	-	-	359.1	7.66	1.35	76.8	Clear
0967 POT032	15/04/2024	-	-	-	-	-	-	514	7.62	0.41	97.5	Clear
0967 POT032	10/12/2024	-	-	-	-	-	29.6	500	7.63	8.1	-35.9	Colourless, clear, no sediment load, no sheen, very slight sulfidic odour
0967 POT032	18/03/2025	-	-	-	-	-	35.6	479	7.47	0.32	-235.5	slightly cloudy, very low turbidity, very low sediment load, colourless, no sheen, very faint sulfidic odour..
0967 POT040	31/01/2017	-	-	-	-	-	-	1,550	7.5	2	93.1	
0967 POT040	22/10/2018	-	-	-	-	-	-	1,088	7.31	5.68	77.5	
0967 POT040	7/03/2019	-	-	-	-	-	-	1,681	7.53	4.08	-115.2	
0967 POT040	28/10/2019	-	-	-	-	-	-	1,334	6.96	4.48	27.2	
0967 POT040	28/10/2019	-	-	-	-	-	-	1,334	6.96	4.48	27.2	Clear
0967 POT040	14/10/2020	-	-	-	-	-	-	1,609	7.09	4.53	-3.1	
0967 POT040	20/04/2021	-	-	-	-	-	-	1,403	7.52	4.41	98.7	
0967 POT040	14/09/2021	-	-	-	-	-	-	1,109	7.43	1.79	-143.6	Taken at tap side if house
0967 POT040	22/04/2022	-	-	-	-	-	-	1,628	7.44	3.57	115.2	Collected from hose. Clear no odour
0967 POT040	19/09/2022	-	-	-	-	-	-	1,384	6.92	4.21	24	Clear
0967 POT040	14/04/2023	-	-	-	-	-	-	1,504	7.44	4.86	54.3	
0967 POT040	22/09/2023	-	-	-	-	-	-	1,439	7.13	4.52	-9.7	Clear
0967 POT040	16/04/2024	-	-	-	-	-	-	1,734	7.41	3.09	52.9	Clear
0967 POT040	12/12/2024	-	-	-	-	-	23.8	2,195	7.05	0.64	47.5	Colourless, slightly cloudy, no sediment load, no sheen, no odour
0967 POT040	18/03/2025	-	-	-	-	-	26.2	1,673	7.17	2.57	-213.9	slightly cloudy, very pale yellow, very low sediment load, no sheen, very slight sulfidic odour.
0967 POT042	5/09/2017	-	-	-	-	-	-	564	7.53	1.02	87.3	
0967 POT042	18/10/2018	-	-	-	-	-	-	606	7.49	1.3	87.8	
0967 POT042	8/03/2019	-	-	-	-	-	-	725	7.61	0.8	-11.1	
0967 POT042	1/11/2019	-	-	-	-	-	-	671	7.6	1.87	-83	
0967 POT042	1/11/2019	-	-	-	-	-	-	671	7.6	1.87	-83	Clear
0967 POT042	15/05/2020	-	-	-	-	-	-	5.9	7.27	5.15	79	Clear
0967 POT042	13/10/2020	-	-	-	-	-	-	725	7.01	2.03	126.4	
0967 POT042	22/04/2021	-	-	-	-	-	-	765	7.47	1.3	97.7	Clear
0967 POT042	16/09/2021	-	-	-	-	-	-	661	7.5	0.77	-149.7	Sample taken at tap back of property
0967 POT042	26/04/2022	-	-	-	-	-	-	738	7.58	1.88	71.3	Clear
0967 POT042	22/09/2022	-	-	-	-	-	-	744	7.46	2.32	55.8	Clear
0967 POT042	14/04/2023	-	-	-	-	-	-	671	7.4	1.05	17.4	
0967 POT042	22/09/2023	-	-	-	-	-	-	728	7	0.68	4	Clear
0967 POT042	15/04/2024	-	-	-	-	-	-	786	7.33	0.93	119.7	Clear
0967 POT042	12/12/2024	-	-	-	-	-	29.3	811	7.2	0.63	80.7	Colourless, slightly cloudy, no sediment load, no sheen, no odour
0967 POT044	5/09/2017	-	-	-	-	-	-	1,960	7.43	1.75	119	clear, no odour

Appendix D
Table D1
Groundwater Levels and Field Parameters

Location ID	Sample Date	Well Depth (m bTOC)	Screen Interval	TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	Sample Comments
0967 POT044	6/11/2018	-	-	-	-	-	-	2,117	7.53	1.89	160.5	
0967 POT044	7/03/2019	-	-	-	-	-	-	2,142	7.65	1.16	142	
0967 POT044	15/05/2020	-	-	-	-	-	-	746	7.08	3.81	-7.8	Clear
0967 POT044	13/10/2020	-	-	-	-	-	-	2,248	6.96	1.39	139.1	
0967 POT044	22/04/2021	-	-	-	-	-	-	1,925	7.8	3.14	64.6	Clear
0967 POT044	13/09/2021	-	-	-	-	-	-	2,393	7.52	1.03	77.1	Sampled at front tap
0967 POT044	27/04/2022	-	-	-	-	-	-	2,204	7.58	1.34	90.8	Clear
0967 POT044	19/09/2022	-	-	-	-	-	-	2,291	7.22	0.59	6.2	Clear
0967 POT044	17/04/2023	-	-	-	-	-	-	1,905	7.34	0.68	80.2	
0967 POT044	22/09/2023	-	-	-	-	-	-	2,145	7.2	0.89	-10.3	Clear
0967 POT044	16/04/2024	-	-	-	-	-	-	2,063	7.38	0.96	71.9	Clear
0967 POT044	12/12/2024	-	-	-	-	-	33.5	2,192	7.17	0.89	67.1	Colourless, slightly cloudy, no sediment load, no sheen, no odour
0967 POT044	20/03/2025	-	-	-	-	-	24.8	2,124	7.39	0.91	-215.3	clear, very pale orange, no sediment load, no sheen, very faint organic odour
0967 POT052	8/02/2018	-	-	-	-	-	-	1,400	7.14	1.9	-216.2	
0967 POT052	19/10/2018	-	-	-	-	-	-	1,111	7.61	5.14	58.2	
0967 POT052	7/03/2019	-	-	-	-	-	-	1,620	7.42	0.73	-153.5	
0967 POT052	1/11/2019	-	-	-	-	-	-	1,626	7.37	2.63	-71.5	
0967 POT052	1/11/2019	-	-	-	-	-	-	1,626	7.37	2.63	-71.5	Clear
0967 POT052	14/10/2020	-	-	-	-	-	-	1,539	6.58	5.15	152.2	
0967 POT052	21/04/2021	-	-	-	-	-	-	1,778	6.99	0.64	91.9	Clear
0967 POT052	13/09/2021	-	-	-	-	-	-	1,774	7.38	0.79	5.1	Sampled at corner of shed
0967 POT052	26/04/2022	-	-	-	-	-	-	1,925	7	0.89	1.7	Clear
0967 POT052	22/09/2022	-	-	-	-	-	-	1,853	6.92	0.79	73.6	Clear
0967 POT052	14/04/2023	-	-	-	-	-	-	1,568	7.66	3.46	59	
0967 POT052	19/09/2023	-	-	-	-	-	-	1,650	7.4	4.61	267	Clear
0967 POT052	17/04/2024	-	-	-	-	-	-	2,023	7.36	0.62	141.5	Clear
0967 POT052	28/12/2024	-	-	-	-	-	28.8	1,929	7.49	86.9	1,254.5	Colourless, low sediment load, no sheen, no odour
0967 POT070D	20/04/2021	-	-	-	-	-	-	985	7.32	1.74	59.2	Clear
0967 POT070D	21/09/2022	-	-	-	-	-	-	621	7.87	1.28	-17.5	Clear
0967 POT070D	17/04/2023	-	-	-	-	-	-	1,004	7.51	1.3	-64.2	
0967 POT070D	24/04/2024	-	-	-	-	-	-	1,091	7.36	0.5	13.4	Clear
0967 POT070D	12/12/2024	-	-	-	-	-	23.5	1,644	7.31	0.59	58.6	Colourless, slightly cloudy, no sediment load, no sheen, no odour
0967 POT070D	18/03/2025	-	-	-	-	-	25.1	1,420	7.32	0.68	-205.2	clear, colourless, no sediment load, no sheen, no odour.
0967 POT070S	15/02/2018	-	-	-	-	-	-	2,710	7.1	1.84	28.1	
0967 POT070S	22/10/2018	-	-	-	-	-	-	2,307	7.22	3.53	40	
0967 POT070S	12/03/2019	-	-	-	-	-	-	2,510	7.27	0.85	-135.2	
0967 POT070S	1/11/2019	-	-	-	-	-	-	2,489	7.66	1.32	-81.4	
0967 POT070S	1/11/2019	-	-	-	-	-	-	2,489	7.66	1.32	-81.4	Clear
0967 POT070S	29/10/2020	-	-	-	-	-	-	2,722	6.93	2.97	78	Readings taken from old bore (S)
0967 POT070S	20/04/2021	-	-	-	-	-	-	2,664	7.17	3.55	82.7	
0967 POT070S	21/09/2021	-	-	-	-	-	-	630	7.72	3.81	-37.8	Tap at back of house
0967 POT070S	22/04/2022	-	-	-	-	-	-	2,720	7.12	1.45	-20	Clear
0967 POT070S	22/09/2022	-	-	-	-	-	-	2,773	7.42	4.22	70	Clear
0967 POT070S	17/04/2023	-	-	-	-	-	-	2,823	7.14	3.56	-117.5	
0967 POT070S	18/09/2023	-	-	-	-	-	-	3,127	7.18	2.18	-30.4	Clear
0967 POT070S	24/04/2024	-	-	-	-	-	-	1,802	7.16	0.64	41.1	Clear
0967 POT070S	12/12/2024	-	-	-	-	-	22.4	3,193	7.46	3.35	48.1	Colourless, slightly cloudy, no sediment load, no sheen, no odour
0967 POT070S	18/03/2025	-	-	-	-	-	23.9	2,577	7.22	2.73	-208.9	clear, colourless, no sediment load, no sheen, faint sulfidic odour.
0967 POT076	15/02/2018	-	-	-	-	-	-	970	7.34	1.31	-80.1	
0967 POT076	6/11/2018	-	-	-	-	-	-	989	7.68	2.6	34.1	
0967 POT076	1/11/2019	-	-	-	-	-	-	1,011	7.8	1.08	-74.8	
0967 POT076	1/11/2019	-	-	-	-	-	-	1,011	7.8	1.08	-74.8	Clear
0967 POT076	11/05/2020	-	-	-	-	-	-	1,100	7.38	1.47	61.7	Clear
0967 POT076	13/10/2020	-	-	-	-	-	-	1,105	7.09	0.81	100.9	
0967 POT076	27/04/2021	-	-	-	-	-	-	1,001	7.47	1.14	-19.6	Clear
0967 POT076	13/09/2021	-	-	-	-	-	-	989	6.92	0.58	15.3	Sample taken at front garden. Sample mislabelled as 37
0967 POT076	26/04/2022	-	-	-	-	-	-	945	7.56	0.78	-16.9	Clear
0967 POT076	22/09/2022	-	-	-	-	-	-	1,087	7.47	1.92	48.9	Clear
0967 POT076	14/04/2023	-	-	-	-	-	-	925	7.48	2.3	15.3	
0967 POT076	22/09/2023	-	-	-	-	-	-	1,229	7.18	1.82	-6.6	Clear
0967 POT076	15/04/2024	-	-	-	-	-	-	1,102	7.53	1.28	44.2	Clear
0967 POT076	11/12/2024	-	-	-	-	-	34.1	1,055	7.4	0.22	69.9	Colourless, clear, no sediment load, no sheen, no odour
0967 POT080	16/02/2018	-	-	-	-	-	-	1,115	7.63	4	-24.2	
0967 POT080	29/10/2018	-	-	-	-	-	-	957	7.52	4.75	-52.6	
0967 POT080	7/03/2019	-	-	-	-	-	-	1,082	7.86	0.39	-28.9	
0967 POT080	18/11/2019	-	-	-	-	-	-	1,378	7.04	0.68	36.1	
0967 POT080	18/11/2019	-	-	-	-	-	-	1,378	7.04	0.68	36.1	Clear
0967 POT080	29/10/2020	-	-	-	-	-	-	1,024	6.8	4.22	118.7	
0967 POT080	22/04/2021	-	-	-	-	-	-	1,162	7.24	1.15	14.8	Clear
0967 POT080	13/09/2021	-	-	-	-	-	-	1,117	7.8	1.07	-34.5	
0967 POT080	27/04/2022	-	-	-	-	-	-	1,060	7.66	1.59	-112.3	Clear
0967 POT080	21/09/2022	-	-	-	-	-	-	1,026	6.75	-	57.5	Clear
0967 POT080	17/04/2023	-	-	-	-	-	-	979	7.63	1.56	41.9	
0967 POT080	18/09/2023	-	-	-	-	-	-	1,029	7.59	1.9	17.2	Clear
0967 POT080	15/04/2024	-	-	-	-	-	-	1,022	7.54	0.76	121.3	Clear
0967 POT080	11/12/2024	-	-	-	-	-	28.8	1,124	7.35	1.32	-17.6	Colourless, clear, no sediment load, no sheen, no odour
0967 POT080	20/03/2025	-	-	-	-	-	31.1	1,254	7.47	1.04	-206.3	clear, colourless, no sediment load, no sheen, no odour.

Location ID	Sample Date	Well Depth (m	Screen Interval	TOC Elevation	Depth to	Groundwater	Temperature	EC (µS/cm)	pH Field	DO (mg/L)	Redox (mV)	Sample Comments
		bTOC)		(mAHD)	Water (m	Elevation	(°C) Field	Field		Field	Field	
					bTOC)	(mAHD)	Measurement	Measurement	Measurement	Measurement	Measurement	
0967 POT081	16/02/2018	-	-	-	-	-	-	1,110	7.56	1.65	-97.7	
0967 POT081	17/10/2018	-	-	-	-	-	-	1,162	7.43	1	34.8	
0967 POT081	5/03/2019	-	-	-	-	-	-	1,153	7.54	0.35	-114.7	
0967 POT081	14/09/2021	-	-	-	-	-	-	1,208	7.6	1.55	-19.5	
0967 POT081	27/04/2022	-	-	-	-	-	-	1,126	7.5	2.96	-19.4	Clear
0967 POT081	21/09/2022	-	-	-	-	-	-	1,059	7.62	6.22	77.6	Clear
0967 POT081	14/04/2023	-	-	-	-	-	-	1,131	7.59	1.76	37.4	
0967 POT081	18/09/2023	-	-	-	-	-	-	1,179	7.39	4.83	8.2	Clear
0967 POT081	15/04/2024	-	-	-	-	-	-	1,180	7.6	4.23	117.3	Clear
0967 POT086	16/02/2018	-	-	-	-	-	-	700	7.51	1.71	27.5	
0967 POT086	10/10/2018	-	-	-	-	-	-	1,183	7.5	1.42	39.2	
0967 POT086	8/03/2019	-	-	-	-	-	-	1,200	7.86	0.89	-64.4	
0967 POT086	1/11/2019	-	-	-	-	-	-	1,130	7.99	6.4	-55.9	
0967 POT086	1/11/2019	-	-	-	-	-	-	1,130	7.99	6.4	-55.9	Clear
0967 POT086	11/05/2020	-	-	-	-	-	-	1,245	7.53	3.24	61.8	Clear
0967 POT086	13/10/2020	-	-	-	-	-	-	1,190	7.16	1.13	-20.8	Labelled POT089 in CoC
0967 POT086	22/04/2021	-	-	-	-	-	-	1,227	7.88	5.15	146.1	Clear
0967 POT086	13/09/2021	-	-	-	-	-	-	1,160	7.58	1.59	5.1	Taken at tap, front right side of house
0967 POT086	27/04/2022	-	-	-	-	-	-	1,264	7.64	3.76	91	Clear
0967 POT086	21/09/2022	-	-	-	-	-	-	1,086	7.47	2.42	69.7	Clear
0967 POT086	14/04/2023	-	-	-	-	-	-	1,225	7.62	3.64	89.3	
0967 POT086	16/04/2024	-	-	-	-	-	-	1,271	7.67	3.65	-17.7	Clear
0967 POT086	10/12/2024	-	-	-	-	-	24.5	1,377	7.54	0.82	45	Colourless, clear, no sediment load, no sheen, no odour
0967 POT086	18/03/2025	-	-	-	-	-	30.2	1,340	7.29	0.97	-235.6	slightly cloudy/turbid, very pale yellow-orange, low sediment load, no sheen, no odour
0967 POT089	19/02/2018	-	-	-	-	-	-	1,112	7.28	0.5	-70.6	
0967 POT089	17/10/2018	-	-	-	-	-	-	977	7.32	1.42	15.2	
0967 POT089	12/03/2019	-	-	-	-	-	-	1,065	7.54	0.83	25.5	
0967 POT089	28/10/2019	-	-	-	-	-	-	960	6.88	0.57	10.3	
0967 POT089	28/10/2019	-	-	-	-	-	-	960	6.88	0.57	10.3	Clear
0967 POT089	28/04/2022	-	-	-	-	-	-	982	7.57	1.43	114.8	Clear
0967 POT089	19/09/2022	-	-	-	-	-	-	969	7.05	1.11	12.8	Clear
0967 POT089	14/04/2023	-	-	-	-	-	-	894	7.74	3.96	120.5	
0967 POT089	15/04/2024	-	-	-	-	-	-	937	8.11	6.28	108.2	Clear
0967 POT089	12/12/2024	-	-	-	-	-	30.6	943	7.35	0.61	923	Colourless, slightly cloudy, no sediment load, no sheen, no odour
0967 POT089	20/03/2025	-	-	-	-	-	30.1	965	7.42	1.02	-189.6	clear, very pale orange, no sediment load, no sheen, no odour.
0967 POT092	15/02/2018	-	-	-	-	-	-	2,400	7.68	3.17	33.1	
0967 POT092	18/10/2018	-	-	-	-	-	-	2,119	7.72	5.51	40.6	
0967 POT092	19/03/2019	-	-	-	-	-	-	2,557	7.71	2.54	125.1	
0967 POT092	1/11/2019	-	-	-	-	-	-	1,638	6.98	4.73	-39.9	Clear
0967 POT092	7/11/2019	-	-	-	-	-	-	2,800	7.91	3.91	-56.6	
0967 POT092	7/11/2019	-	-	-	-	-	-	2,800	7.91	3.91	-56.6	Clear
0967 POT092	11/05/2020	-	-	-	-	-	-	2,584	7.52	7.18	62.8	Clear, H2S odour
0967 POT092	13/10/2020	-	-	-	-	-	-	2,772	7.24	5.04	90.6	
0967 POT092	20/04/2021	-	-	-	-	-	-	2,665	7.38	5.25	138.2	Clear
0967 POT092	13/09/2021	-	-	-	-	-	-	2,663	7.41	4.33	123.3	Tap at front of property
0967 POT092	27/04/2022	-	-	-	-	-	-	2,911	7.66	6.2	99.6	Taken from tank
0967 POT092	21/09/2022	-	-	-	-	-	-	2,882	7.21	4.01	52.2	Clear
0967 POT092	19/04/2023	-	-	-	-	-	-	2,731	7.64	10.96	30.6	
0967 POT092	22/09/2023	-	-	-	-	-	-	2,829	7.42	4.21	40.8	Clear
0967 POT092	15/04/2024	-	-	-	-	-	-	2,914	7.34	5.1	122	Clear
0967 POT092	12/12/2024	-	-	-	-	-	36.2	3,045	7.55	1.68	73.4	Colourless, clear, no sediment load, no sheen, no odour
0967 POT092	19/03/2025	-	-	-	-	-	23.1	3,020	7.58	4.15	-189.2	clear, colourless, no sediment load, no sheen, no odour
0967 POT099	21/02/2018	-	-	-	-	-	-	1,160	7.88	1.6	83.1	
0967 POT099	19/10/2018	-	-	-	-	-	-	1,045	7.82	1.59	80.5	
0967 POT099	8/03/2019	-	-	-	-	-	-	1,212	8.06	4.03	97.2	
0967 POT099	13/10/2020	-	-	-	-	-	-	1,553	7.05	4.22	35.9	
0967 POT099	19/04/2021	-	-	-	-	-	-	1,367	7.65	4.32	64	
0967 POT099	19/04/2021	-	-	-	-	-	-	1,367	7.65	4.32	64	
0967 POT099	13/09/2021	-	-	-	-	-	-	1,303	7.81	4.67	62.4	Tap at side of house
0967 POT099	26/04/2022	-	-	-	-	-	-	1,304	7.83	4.06	73.5	Clear
0967 POT099	22/09/2022	-	-	-	-	-	-	1,298	6.79	4.14	91.4	Clear
0967 POT099	14/04/2023	-	-	-	-	-	-	1,245	7.92	4.98	68.8	
0967 POT099	19/09/2023	-	-	-	-	-	-	1,318	7.51	2.93	-18.8	Clear
0967 POT099	15/04/2024	-	-	-	-	-	-	1,358	7.76	1.56	151.6	Clear
0967 POT099	11/12/2024	-	-	-	-	-	30.4	1,382	7.52	1.14	62.5	Colourless, slightly cloudy, no sediment load, no sheen, slight organic odour
0967 POT099	18/03/2025	-	-	-	-	-	25.7	1,337	8.32	3.81	-138.2	clear, colourless, no sediment load, no sheen, no odour.
0967 POT100	21/02/2018	-	-	-	-	-	-	1,660	8.18	4.83	72.4	
0967 POT100	18/10/2018	-	-	-	-	-	-	1,407	8.16	7.42	50	
0967 POT100	5/03/2019	-	-	-	-	-	-	1,793	7.77	1.43	-195.1	
0967 POT100	1/11/2019	-	-	-	-	-	-	1,530	8.01	5.81	-53.5	
0967 POT100	1/11/2019	-	-	-	-	-	-	1,530	8.01	5.81	-53.5	Clear
0967 POT100	3/06/2020	-	-	-	-	-	-	2,306	6.86	2.08	29.2	Clear
0967 POT100	13/10/2020	-	-	-	-	-	-	1,738	7.75	5.12	51.5	
0967 POT100	22/04/2021	-	-	-	-	-	-	1,710	7.87	3.98	69.9	Clear
0967 POT100	13/09/2021	-	-	-	-	-	-	1,635	7.75	3.9	53.7	
0967 POT100	27/04/2022	-	-	-	-	-	-	1,745	8.12	7.5	91.2	Cloudy
0967 POT100	21/09/2022	-	-	-	-	-	-	1,672	6.79	1.06	56.4	Clear

Appendix D
Table D1
Groundwater Levels and Field Parameters

Location ID	Sample Date	Well Depth (m bTOC)	Screen Interval	TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	Sample Comments
0967 POT100	18/04/2023	-	-	-	-	-	-	1,456	7.34	1.79	99.6	
0967 POT100	14/09/2023	-	-	-	-	-	-	1,190	7.3	1.46	80.2	Clear
0967 POT100	15/04/2024	-	-	-	-	-	-	1,760	7.69	2.5	119.7	Clear
0967 POT100	12/12/2024	-	-	-	-	-	29.1	1,846	8.33	4.73	66.3	Colourless, clear, no sediment load, no sheen, no odour
0967 POT100	18/03/2025	-	-	-	-	-	37.1	1,901	7.26	1.49	-212.5	clear, colourless, no sediment load, no sheen, no odour.
0967 POT114	1/03/2018	-	-	-	-	-	-	1,370	7.75	2.41	102	
0967 POT114	22/11/2018	-	-	-	-	-	-	1,221	7.88	0.95	103.6	
0967 POT114	7/03/2019	-	-	-	-	-	-	1,347	7.92	1.68	161.8	
0967 POT114	7/11/2019	-	-	-	-	-	-	1,372	7.79	3.08	-2.3	
0967 POT114	7/11/2019	-	-	-	-	-	-	1,372	7.79	3.08	-2.3	Clear
0967 POT114	3/06/2020	-	-	-	-	-	-	1,850	7.33	5.19	65.3	Clear
0967 POT114	13/10/2020	-	-	-	-	-	-	1,300	7.48	5.49	123	
0967 POT114	19/04/2021	-	-	-	-	-	-	1,395	7.81	2	114.6	
0967 POT114	13/09/2021	-	-	-	-	-	-	1,440	7.01	4.8	130.6	Sample taken at front tap on porch
0967 POT114	22/04/2022	-	-	-	-	-	-	1,520	7.38	4.69	153.1	Clear
0967 POT114	21/09/2022	-	-	-	-	-	-	1,492	7.81	1.71	-29.6	Clear
0967 POT114	13/04/2023	-	-	-	-	-	-	1,524	7.99	1.27	91.1	
0967 POT114	19/09/2023	-	-	-	-	-	-	1,522	7.72	4.66	1.1	Clear
0967 POT114	15/04/2024	-	-	-	-	-	-	1,434	7.73	3.37	150.8	Clear
0967 POT114	10/12/2024	-	-	-	-	-	26.8	1,482	7.93	1.71	107.6	Colourless, clear, no sediment load, no sheen, no odour
0967 POT114	20/03/2025	-	-	-	-	-	25.7	1,521	7.83	2.87	-138.5	clear, colourless, no sediment load, no sheen, no odour
0967 POT116	1/03/2018	-	-	-	-	-	-	1,740	7.52	3.05	114.3	
0967 POT116	10/10/2018	-	-	-	-	-	-	1,768	7.35	4.42	52.4	
0967 POT116	19/03/2019	-	-	-	-	-	-	1,814	7.57	1.46	129.2	
0967 POT116	1/11/2019	-	-	-	-	-	-	1,638	6.98	4.73	-39.9	
0967 POT116	19/04/2021	-	-	-	-	-	-	1,773	7.35	2.85	79.8	Clear
0967 POT116	13/09/2021	-	-	-	-	-	-	1,157	7.19	40.8	140.8	
0967 POT116	27/04/2022	-	-	-	-	-	-	1,711	7.54	3.61	114.2	Clear
0967 POT116	19/09/2022	-	-	-	-	-	-	1,736	7	3.36	50.7	Clear
0967 POT116	14/04/2023	-	-	-	-	-	-	1,604	7.56	3.91	35.6	
0967 POT116	14/09/2023	-	-	-	-	-	-	1,380	7.48	4.35	86.9	Clear
0967 POT116	15/04/2024	-	-	-	-	-	-	1,697	7.35	2.24	155.5	Clear
0967 POT116	10/12/2024	-	-	-	-	-	27.3	1,859	7.29	1.73	114.8	Colourless, clear ,no sediment load, no sheen, no odour, ambient organic odour
0967 POT116	19/03/2025	-	-	-	-	-	23.9	1,859	7.33	2.57	-205	clear, very pale yellow, no sediment load, no sheen, no odour
0967 POT124	22/05/2018	-	-	-	-	-	-	495.7	7.55	0.76	-109.9	
0967 POT124	29/10/2018	-	-	-	-	-	-	492.1	7.49	0.55	-104.2	
0967 POT124	6/06/2019	-	-	-	-	-	-	447.4	7.81	0.68	-27.4	
0967 POT124	29/10/2019	-	-	-	-	-	-	455.3	7.22	1.04	-25.1	
0967 POT124	29/10/2019	-	-	-	-	-	-	455.3	7.22	1.04	-25.1	Clear
0967 POT124	11/05/2020	-	-	-	-	-	-	618	7.26	0.97	39.6	Clear
0967 POT124	14/10/2020	-	-	-	-	-	-	505	7.04	0.81	-61.7	
0967 POT124	21/04/2021	-	-	-	-	-	-	527.4	7.71	0.72	-50.7	Clear
0967 POT124	16/09/2021	-	-	-	-	-	-	493.3	7.69	1.27	-143.8	
0967 POT124	28/04/2022	-	-	-	-	-	-	526.8	7.8	1.18	103.3	Clear
0967 POT124	22/09/2022	-	-	-	-	-	-	551.8	7.19	1.6	67.2	Clear
0967 POT124	14/04/2023	-	-	-	-	-	-	13.84	7.78	-	-90.2	
0967 POT124	19/09/2023	-	-	-	-	-	-	497	7.67	1.39	-33.7	Clear
0967 POT124	17/04/2024	-	-	-	-	-	-	570	7.16	1.82	95.9	Clear
0967 POT124	12/12/2024	-	-	-	-	-	39	569	7.5	0.97	81.7	Colourless, clear, no sediment load, no sheen, no odour
0967 POT124	20/03/2025	-	-	-	-	-	26.2	580	7.59	0.9	-213.1	clear, colourless, no sediment load, no sheen, no odour
0967 POT125	22/05/2018	-	-	-	-	-	-	1,971	7.28	2.32	29.7	
0967 POT125	15/10/2018	-	-	-	-	-	-	1,681	7.6	3.89	129.6	
0967 POT125	6/06/2019	-	-	-	-	-	-	452.8	7.92	0.58	-130.3	
0967 POT125	1/11/2019	-	-	-	-	-	-	1,646	8.02	4.32	-56.9	
0967 POT125	1/11/2019	-	-	-	-	-	-	1,646	8.02	4.32	-56.9	Clear
0967 POT125	27/04/2021	-	-	-	-	-	-	1,735	7.48	4.3	95.7	Clear
0967 POT125	27/04/2022	-	-	-	-	-	-	2,114	7.49	3.11	-1.3	Clear
0967 POT125	19/09/2022	-	-	-	-	-	-	1,962	7.35	2.56	72.5	Clear
0967 POT125	19/04/2023	-	-	-	-	-	-	1,613	8	3	112.4	
0967 POT125	18/04/2024	-	-	-	-	-	-	1,951	8.25	3.73	24.5	Clear
0967 POT125	11/12/2024	-	-	-	-	-	41.2	2,123	7.23	0.74	129.9	Colourless, clear, no sediment load, no sheen, no odour
0967 POT127	22/05/2018	-	-	-	-	-	-	763	8.32	6.08	107.5	
0967 POT127	11/10/2018	-	-	-	-	-	-	739	8.05	6.64	101.8	
0967 POT127	7/03/2019	-	-	-	-	-	-	643	8.7	3.9	183.7	
0967 POT127	28/10/2019	-	-	-	-	-	-	705	7.44	4.53	119.6	
0967 POT127	28/10/2019	-	-	-	-	-	-	705	7.44	4.53	119.6	Clear
0967 POT127	15/05/2020	-	-	-	-	-	-	15.1	7.65	6.12	170	Clear
0967 POT127	13/10/2020	-	-	-	-	-	-	769	7.53	1.34	120.1	Clear
0967 POT127	19/04/2021	-	-	-	-	-	-	851	8.24	4.76	108.4	Clear
0967 POT127	14/09/2021	-	-	-	-	-	-	828	7.87	4	6.3	Sample from water tank front of property
0967 POT127	22/04/2022	-	-	-	-	-	-	778	8.31	0.6	104.2	
0967 POT127	21/09/2022	-	-	-	-	-	-	844	7.77	4.27	34.7	Clear
0967 POT127	13/04/2023	-	-	-	-	-	-	745	8.28	8.45	-35.5	
0967 POT127	18/09/2023	-	-	-	-	-	-	802	7.9	7.01	-2.4	Clear
0967 POT127	15/04/2024	-	-	-	-	-	-	817	8.18	4.95	118.9	Clear
0967 POT127	11/12/2024	-	-	-	-	-	28.2	845	7.8	1.28	102.1	Colourless, clear, no sediment load, no sheen, no odour
0967 POT127	18/03/2025	-	-	-	-	-	28.3	949	7.95	2.04	-146.8	clear, colourless, no sediment load, no sheen, no odour

Appendix D
Table D1
Groundwater Levels and Field Parameters

Location ID	Sample Date	Well Depth (m bTOC)	Screen Interval	TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	Sample Comments
0967 POT128	22/05/2018	-	-	-	-	-	-	2,226	7.02	0.54	-192.1	
0967 POT128	19/09/2018	-	-	-	-	-	-	2,070	7.06	1.74	-208.4	
0967 POT128	12/03/2019	-	-	-	-	-	-	1,581	7.55	3.17	123.2	
0967 POT128	6/06/2019	-	-	-	-	-	-	2,009	7.31	4.49	-156.9	
0967 POT128	29/10/2019	-	-	-	-	-	-	2,159	7.1	3.06	-77.8	Sampled from sprinkler
0967 POT128	29/10/2019	-	-	-	-	-	-	2,159	7.1	3.06	-77.8	Clear
0967 POT128	14/10/2020	-	-	-	-	-	-	2,196	7.16	4.09	-27.9	
0967 POT128	21/04/2021	-	-	-	-	-	-	2,227	7.43	4.13	63.7	Clear
0967 POT128	17/09/2021	-	-	-	-	-	-	2,226	7.74	6	-237.5	Taken at tap at front of house
0967 POT128	27/04/2022	-	-	-	-	-	-	2,094	7.73	3.34	-12.6	Taken from sprinkler
0967 POT128	23/09/2022	-	-	-	-	-	-	2,499	6.46	4.16	-216.2	Clear
0967 POT128	14/04/2023	-	-	-	-	-	-	1,996	7.47	4.65	-127.2	
0967 POT128	22/09/2023	-	-	-	-	-	-	2,109	7.49	3.38	-156.2	Clear
0967 POT128	16/04/2024	-	-	-	-	-	-	2,197	7.63	4.63	0.2	Clear
0967 POT128	10/12/2024	-	-	-	-	-	26.8	2,318	7.42	38	-173.2	Colourless, clear, no sediment load, no sheen, slight sulfidic odour
0967 POT128	19/03/2025	-	-	-	-	-	23.6	2,000	7.48	3.77	-180.2	clear, colourless, no sediment load, no sheen, no odour
0967 POT136	14/06/2018	-	-	-	-	-	-	532	7.59	3.17	48.4	
0967 POT136	11/05/2020	-	-	-	-	-	-	567.9	7.52	2.52	66.3	Clear
0967 POT136	22/10/2020	-	-	-	-	-	-	653	7.18	1.39	-1.4	
0967 POT136	20/04/2021	-	-	-	-	-	-	758	7.76	1.46	108.5	
0967 POT136	16/09/2021	-	-	-	-	-	-	686	8.19	0.97	-190.1	Sampled from sprinkler
0967 POT136	26/04/2022	-	-	-	-	-	-	702	7.68	1.25	11.2	Clear
0967 POT136	22/09/2022	-	-	-	-	-	-	774	7.55	3.68	51.9	Clear
0967 POT136	14/04/2023	-	-	-	-	-	-	644	7.69	1.05	36.1	
0967 POT136	18/09/2023	-	-	-	-	-	-	670	7.68	2.03	-13.5	Clear
0967 POT136	15/04/2024	-	-	-	-	-	-	746	7.57	0.47	121.7	Clear
0967 POT136	10/12/2024	-	-	-	-	-	28.1	743	7.61	1.19	62.3	Colourless, clear, no sediment load, no sheen, no odour. Ambient odour of grease and motor (property used for vehicle servicing)
0967 POT136	18/03/2025	-	-	-	-	-	28.9	733	7.56	0.47	-241.4	clear, colourless, no sediment load, no sheen, no odour
0967 POT137	14/06/2018	-	-	-	-	-	-	1,302	7.38	3.36	45.8	
0967 POT137	28/11/2018	-	-	-	-	-	-	1,341	7.55	1.74	-21.2	
0967 POT137	22/10/2020	-	-	-	-	-	-	1,514	6.95	6.71	81.7	
0967 POT137	22/04/2021	-	-	-	-	-	-	1,810	7.38	1.62	49.3	Clear
0967 POT137	14/09/2021	-	-	-	-	-	-	1,627	7.47	5.68	23.5	Tap at back corner of house.
0967 POT137	27/04/2022	-	-	-	-	-	-	1,673	7.53	7.21	63	Clear
0967 POT137	21/09/2022	-	-	-	-	-	-	1,620	7.26	1.75	107.1	Clear
0967 POT137	14/04/2023	-	-	-	-	-	-	1,567	7.42	3.36	28.6	
0967 POT137	22/09/2023	-	-	-	-	-	-	1,536	7.3	1.45	7.7	Clear
0967 POT137	16/04/2024	-	-	-	-	-	-	1,882	7.59	2.95	84.2	Clear
0967 POT137	11/12/2024	-	-	-	-	-	33	1,785	7.19	0.2	81.9	Colourless, clear, no sediment load, no sheen, slight organic odour
0967 POT137	8/03/2025	-	-	-	-	-	29.1	1,768	7.23	1.42	-208.3	clear, colourless, no sediment load, no sheen, no odour.
0967 POT147	19/10/2018	-	-	-	-	-	-	1,097	7.45	2.62	87.9	
0967 POT147	9/05/2019	-	-	-	-	-	-	2,053	7.42	2.01	8.1	
0967 POT147	28/10/2019	-	-	-	-	-	-	880	6.83	2.16	21.2	
0967 POT147	28/10/2019	-	-	-	-	-	-	880	6.83	2.16	21.2	Clear
0967 POT147	15/05/2020	-	-	-	-	-	-	1,948	7.38	2.33	134.1	Brown
0967 POT147	12/10/2020	-	-	-	-	-	-	1,065	7.03	411	1,096	Clear
0967 POT147	21/04/2021	-	-	-	-	-	-	2,090	7.32	0.56	-73.2	Cloudy
0967 POT147	14/09/2021	-	-	-	-	-	-	1,298	7.33	2.13	-98	Fire hydrant in yard
0967 POT147	21/04/2022	-	-	-	-	-	-	1,800	7.32	0.82	-60.3	turbid, brown
0967 POT147	21/09/2022	-	-	-	-	-	-	1,121	7.19	3.69	26	Clear
0967 POT147	12/04/2023	-	-	-	-	-	-	2,053	7.21	0.59	-34.2	
0967 POT147	14/09/2023	-	-	-	-	-	-	964	7.37	3.72	55.3	Clear
0967 POT147	28/01/2025	-	-	-	-	-	29.6	1,446	7.19	1.12	40.3	Colourless, moderate sediment load, no sheen, no odour
0967 POT155	28/11/2018	-	-	-	-	-	-	993	8.13	13.85	113.1	
0967 POT155	27/04/2022	-	-	-	-	-	-	1,401	7.61	4.79	-128.7	Clear
0967 POT155	19/09/2022	-	-	-	-	-	-	1,061	7.16	1.55	-191.3	Clear
0967 POT155	14/04/2023	-	-	-	-	-	-	1,315	7.52	1.49	-26.5	
0967 POT155	18/09/2023	-	-	-	-	-	-	1,352	7.37	1.64	-31.3	Clear
0967 POT155	15/04/2024	-	-	-	-	-	-	1,480	7.53	2.6	-59	Clear
0967 POT155	10/12/2024	-	-	-	-	-	23	1,634	7.53	4.42	71.4	Colourless, slightly cloudy, no sediment load, no sheen, no odour
0967 POT155	19/03/2025	-	-	-	-	-	24.4	1,633	7.31	0.67	-242.5	clear, colourless, no sediment load, no sheen, no odour
0967 POT159	8/02/2019	-	-	-	-	-	-	1,386	7.49	0.81	153.5	
0967 POT159	1/11/2019	-	-	-	-	-	-	1,172	7.72	1.01	-83.6	
0967 POT159	1/11/2019	-	-	-	-	-	-	1,172	7.72	1.01	-83.6	Clear
0967 POT159	29/10/2020	-	-	-	-	-	-	1,366	7.08	0.6	103.2	
0967 POT159	19/04/2021	-	-	-	-	-	-	1,380	7.67	0.81	144.2	Cloudy
0967 POT159	16/09/2021	-	-	-	-	-	-	1,249	7.37	2.03	-112.2	
0967 POT159	2/05/2022	-	-	-	-	-	-	1,292	7.45	0.89	18.6	Cloudy
0967 POT159	22/09/2022	-	-	-	-	-	-	1,245	7.28	2.05	76.1	Clear
0967 POT159	14/04/2023	-	-	-	-	-	-	1,251	7.49	1.39	78.3	
0967 POT159	15/09/2023	-	-	-	-	-	-	1,256	7.02	3.6	23	Cloudy
0967 POT159	16/04/2024	-	-	-	-	-	-	1,424	7.44	0.65	85.4	Cloudy
0967 POT165	9/05/2019	-	-	-	-	-	-	1,193	7.67	8.22	186.7	
0967 POT165	18/11/2019	-	-	-	-	-	-	1,190	6.77	3.15	85.5	
0967 POT165	18/11/2019	-	-	-	-	-	-	1,190	6.77	3.15	85.5	Clear
0967 POT165	22/04/2021	-	-	-	-	-	-	1,210	7.61	3.17	163.4	Clear
0967 POT165	14/09/2021	-	-	-	-	-	-	1,183	7.63	5.32	0.7	

Location ID	Sample Date	Well Depth (m bTOC)	Screen Interval	TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) <i>Field</i> <i>Measurment</i>	EC (µS/cm) <i>Field</i> <i>Measurement</i>	pH <i>Field</i> <i>Measurement</i>	DO (mg/L) <i>Field</i> <i>Measurment</i>	Redox (mV) <i>Field</i> <i>Measurement</i>	Sample Comments
0967 POT165	26/04/2022	-	-	-	-	-	-	1,259	7.48	2.29	106	Clear
0967 POT165	19/09/2022	-	-	-	-	-	-	1,237	7.37	3.7	-	Clear
0967 POT165	18/09/2023	-	-	-	-	-	-	12,226	7.46	3.79	0	Clear
0967 POT165	15/04/2024	-	-	-	-	-	-	1,235	7.79	3.08	162.4	Clear
0967 POT165	11/12/2024	-	-	-	-	-	35.1	1,751	7.45	2.26	75.8	Colourless, clear, no sediment load, no sheen, no odour
0967 POT165	20/03/2025	-	-	-	-	-	30.5	1,444	7.84	2.9	-151.8	clear, colourless, no sediment load, no sheen, no odour
0967 POT181	15/05/2020	-	-	-	-	-	-	595	7.63	1.95	83.9	Clear
0967 POT181	13/10/2020	-	-	-	-	-	-	502	7.34	2.5	132.3	
0967 POT181	20/04/2021	-	-	-	-	-	-	665	7.79	2.72	96.7	Clear
0967 POT181	14/09/2021	-	-	-	-	-	-	504.4	7.68	1.56	-85.3	Taken at tap front left of house
0967 POT181	22/04/2022	-	-	-	-	-	-	687	7.81	3	104.9	Clear
0967 POT181	21/09/2022	-	-	-	-	-	-	557	7.75	-	62	Clear
0967 POT181	12/04/2023	-	-	-	-	-	-	703	7.74	1.11	93.8	
0967 POT181	15/09/2023	-	-	-	-	-	-	393.3	7.78	3.37	12.8	Clear
0967 POT181	15/04/2024	-	-	-	-	-	-	647	8.02	2.56	108.9	Clear
0967 POT181	10/12/2024	-	-	-	-	-	26.3	531	7.86	1.68	93.5	Colourless, slightly cloudy, no sediment load, no sheen, no odour
0967 POT181	18/03/2025	-	-	-	-	-	23.3	580	7.73	3.49	-159.2	clear, colourless, no sediment load, no sheen, no odour

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[illegible]

		PFAS - Perfluoroalkyl Sulfonic Acids														PFAS - Perfluoroalkyl Carboxylic Acids														PFAS - Perfluoroalkyl Sulfonyl amide										PFAS - Fluorotelomer Sulfonic Acids						PFAS - Sums	
		Perfluorobutane sulfonic acid (PFBS)	Perfluoropentanesulfonic acid (PPFS)	Perfluorohexanesulfonic acid (PFOS)	Perfluorooctanesulfonic acid (PFOPs)	Perfluorononanesulfonic acid (PFNS)	Perfluorodecansulfonic acid (PFDS)	Perfluoroundecanesulfonic acid (PFUDS)	Perfluorododecane sulfonic acid (PFDDA)	Perfluorotridecane sulfonic acid (PFTrDA)	Perfluorotetradecane sulfonic acid (PFTeDA)	Perfluoropentadecane sulfonic acid (PFPnDA)	Perfluorohexadecane sulfonic acid (PFHxDA)	Perfluorooctanoic acid (PF8OA)	Perfluorodecanoic acid (PF10OA)	Perfluorododecanoic acid (PF12OA)	N-Ethyl perfluorooctanesulfonamide (EFOSA)	N-Ethyl perfluorodecanesulfonamide (EFDOSA)	N-Ethyl perfluorododecanesulfonamide (EFDOSA)	N-Methyl perfluorooctanesulfonamide (MeFOsa)	N-Methyl perfluorodecanesulfonamide (MeFODsa)	N-Methyl perfluorododecanesulfonamide (MeFODsa)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Sum of PFAS (sum of total PFAS n=107)	Sum of PFAS and PFCOS																			
LOR (standard)		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L															
LOR (low level)		0.002	0.002	0.01	0.002	0.002	0.01	0.002	0.01	0.002	0.01	0.002	0.01	0.002	0.002	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.002	0.005	0.005	0.005	0.005	0.002	0.002	0.002	0.002																
ADWIG 2017 Health (V4.0 updated June 2025)		1			0.009					0.03									0.2																												
PFAS NEMP 2025 Recreational water quality		2								2									10																												
On-base - Source Area D	MW112	01 Nov 2016	SD MW12	Normal	0.04	<0.02	-	0.02	0.47	-	0.04	-	0.26	<0.1	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	0.02	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.89	-	-											
	MW112	28 Sep 2017	SD MW12	Normal	<0.02	<0.02	-	<0.02	0.27	-	<0.02	-	0.12	<0.1	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	0.01	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.43	0.43	0.39											
	MW112	06 Mar 2018	0967 MW112 190306	Normal	<0.02	<0.02	<0.02	<0.02	0.78	-	<0.02	-	0.17	<0.1	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	0.03	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.02	0.02	0.95											
	MW112	23 Oct 2019	0967 MW112 191023	Normal	<0.02	<0.02	<0.02	<0.02	1.40	-	<0.02	-	0.16	<0.1	<0.02	<0.02	<0.02	<0.02	0.15	<0.02	0.15	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.61	0.61	0.53											
	MW112	04 May 2020	0967 MW112 200504	Normal	<0.02	<0.02	-	<0.02	0.37	-	<0.02	-	0.14	<0.1	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	0.02	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.56	0.56	0.51											
	MW112	12 Oct 2020	0967 MW112 201012	Normal	0.03	<0.02	-	<0.02	0.46	-	<0.02	-	0.26	<0.1	<0.02	<0.02	<0.02	<0.02	0.06	<0.02	0.03	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.84	0.84	0.72											
	MW112	20 Apr 2021	0967 MW112 210420	Normal	0.06	<0.02	<0.02	<0.02	0.88	-	<0.02	-	0.80	<0.1	<0.02	<0.02	<0.02	<0.02	0.14	<0.02	0.06	0.03	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	1.85	1.85	1.46										
	MW112	08 Sep 2021	0967 MW112 210908	Normal	0.04	<0.02	<0.02	<0.02	1.68	-	<0.02	-	0.68	<0.1	<0.02	<0.02	<0.02	<0.02	0.14	<0.02	0.03	0.03	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.84	0.84	0.72										
	MW112	08 Sep 2021	0967 QC112 210908	Field D	0.12	<0.02	-	0.03	0.70	-	0.04	-	0.52	<0.1	<0.02	<0.02	<0.02	<0.02	0.13	<0.02	0.04	0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	1.60	1.53	1.22											
	MW112	08 Sep 2021	0967 QC212 210908	Interlab D	0.04	<0.01	-	0.04 ^{RS}	0.70 ^{RS}	-	0.01	0.03 ^{RS}	<0.01	0.59 ^{RS}	<0.05	<0.01	<0.01	<0.01	0.02 ^{RS}	0.13	<0.02	0.06 ^{RS}	0.03	<0.01	<0.01	<0.01	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	1.71	1.63	1.35									
MW112	19 Apr 2022	0967 MW112 220419	Normal	<0.02	<0.02	-	<0.02	0.28	-	<0.02	-	0.16	<0.1	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	0.01	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.48	0.48	0.44												
MW112	22 Sep 2022	0967 MW112 220922	Normal	<0.02	<0.02	-	<0.02	0.31	-	<0.02	-	0.14	<0.1	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	0.01	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.68	0.68	0.63												
MW112	12 Sep 2023	0967 MW112 230912	Normal	<0.02	<0.02	-	<0.02	0.21	-	<0.02	-	0.08	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	0.01	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.29	0.29	0.29													
MW112	13 Sep 2023	0967 MW112 230913	Normal	<0.02	<0.02	-	<0.02	0.13	-	<0.02	-	0.06	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.19	0.19	0.19													
MW112	13 Sep 2023	0967 QC107 230913	Field D	<0.02	<0.02	-	<0.02	0.13	-	<0.02	-	0.06	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.19	0.19	0.19												
MW112	13 Sep 2023	0967 QC207 230913	Interlab D	<0.02	<0.02	-	<0.02	0.15 ^{RS}	<0.01	<0.01	0.01 ^{RS}	<0.01	0.15 ^{RS}	<0.01	<0.01	<0.01	<0.01	0.01	<0.02	0.01	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.28	0.28	0.28												
MW112	17 Apr 2024	0967 MW112 240417	Normal	<0.02	<0.02	-	<0.02	0.11	-	<0.02	-	0.05	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.16	0.16	0.16												
MW112	29 Nov 2024	0967 MW112 241129	Normal	<0.02	<0.02	-	<0.02	0.09	<0.02	<0.02	<0.02	0.04	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.13	0.13	0.13													
MW112	09 Apr 2025	0967 MW112 250409	Normal	<0.02	<0.02	<0.02	<0.02	0.08	<0.02	<0.02	<0.02	0.04	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.12	-	0.12													
MW112	01 Nov 2016	SD MW13	Normal	0.10	<0.02	-	0.03	0.50	-	0.08	-	0.70	<0.1	<0.02	<0.02	<0.02	<0.02	0.12	<0.02	0.04	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	1.57	1.46	1.20												
MW113	23 Oct 2019	0967 MW113 191023	Normal	<0.02	<0.02	-	<0.02	0.20	-	0.04	-	0.27	<0.1	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	0.02	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.62	0.58	0.47												
MW113	04 May 2020	0967 MW113 200504	Normal	0.05	<0.02	-	<0.02	0.23	-	0.04	-	0.30	<0.1	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	0.01	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.68	0.64	0.53												
MW113	12 Oct 2020	0967 MW113 201012	Normal	0.05	<0.02	-	<0.02	0.27	-	0.04	-	0.30	<0.1	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	0.01	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.68	0.64	0.53												
MW113	20 Apr 2021	0967 MW113 210420	Normal	0.05	<0.02	-	<0.02	0.22	-	0.04	-	0.34	<0.1	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	0.01	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.71	0.67	0.56												
MW113	20 Apr 2021	0967 QC110 210420	Field D	0.05	<0.02	-	<0.02	0.24	-	0.05	-	0.38	<0.1	<0.02	<0.02	<0.02	<0.02	0.06	<0.02	0.01	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.79	0.74	0.62												
MW113	20 Apr 2021	0967 QC210 210420	Interlab D	0.04	<0.01	-	0.01 ^{RS}	0.24 ^{RS}	0.02	0.04 ^{RS}	<0.01	0.28 ^{RS}	<0.05	<0.01	<0.01	<0.01	0.05 ^{RS}	<0.01	0.01 ^{RS}	0.02 ^{RS}	<0.01	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	0.71	0.64	0.52										
MW113	20 Apr 2021	0967 MW113 210420	Normal	0.05	<0.02	-	<0.02	0.32	-	0.05	-	0.39	<0.1	<0.02	<0.02	<0.02	<0.02	0.06	<0.02	0.01	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.88	0.83	0.74												
MW113	22 Sep 2022	0967 MW113 220922	Normal	0.05	<0.02	-	<0.02	0.21	-	0.05	-	0.38	<0.1	<0.02	<0.02	<0.02	<0.02	0.06	<0.02	0.02	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	0.93	0.89	0.79												
MW113	22 Sep 2022	0967 MW113 220922	Normal	0.06	<0.02	-	<0.02	0.38	-	0.09	-	0.58	<0.1	<0.02	<0.02	<0.02	<0.02	0.08	<0.02	0.02	<0.02	<0.05	<0.02	<0.02	-	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05	1.22	1.13	0.96												
MW113	12 Apr 2023	0967 MW113 230412	Normal	0.07	<0.02	-	<0.02	0.24	-	0.07	-	0.36	<0																																		

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On-base -

Other

MW124S	05 Dec 2024	0967 MW124S 241205	Normal	-0.02	-0.02	-	-0.02	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	-0.05	-0.01	-0.01	-0.01	
MW124S	02 Apr 2025	0967 MW124S 250402	Normal	-0.02	-0.02	-0.02	-0.02	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	-0.05	-0.01	-0.01	-0.01
MW132D	05 Oct 2017	PG MW32D	Normal	-0.02	-0.02	-	-0.02	-0.01	-	-0.02	-	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	-0.01	-0.01	-0.01	
MW132D	05 Oct 2017	PG MW32D	Normal	-0.02	-0.02	-	-0.02	-0.01	-	-0.02	-	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	-0.01	-0.01	-0.01	
MW132D	07 Mar 2019	0967 MW132D 190307	Normal	-0.02	-0.02	-	-0.02	-0.01	-	-0.02	-	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	-0.01	-0.01	-0.01	
MW132D	07 Mar 2019	0967 QC07 190307	Field D	-0.02	-0.02	-	-0.02	-0.01	-	-0.02	-	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	-0.01	-0.01	-0.01	
MW132D	28 Oct 2021	0967 MW132D 191029	Normal	-0.01	-0.02	-	-0.01	-0.01	-	-0.01	-	-0.01	-0.02	-0.05	-0.01	-0.02	-0.01	-0.01	-0.02	-0.05	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.01	-0.02	-0.05	-0.05	-0.02	-0.05	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	
MW132D	12 May 2020	0967 MW132 D 200512	Normal	0.32	-0.02	-	-0.02	0.29	-	0.22	-	0.92	0.1	-0.02	-0.02	0.05	0.55	-0.02	0.06	0.15	-0.05	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	0.13	-0.05	-0.05	0.79	2.57	1.21	
MW132D	13 Oct 2020	0967 MW132D 201013	Normal	0.10	-0.02	-	-0.02	0.05	-	0.09	-	0.42	0.1	-0.02	-0.02	-0.02	0.18	-0.02	0.03	0.05	-0.05	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	0.29	0.83	0.47	
MW132D	29 Apr 2021	0967 MW132D 210429	Normal	0.19	-0.02	-	-0.02	0.06	-	0.15	-	1.07	0.1	-0.02	-0.02	0.03	0.38	-0.02	0.07	0.09	-0.05	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	2.06	1.89	1.13	
MW132D	28 Sep 2021	0967 MW132D 210928	Normal	0.13	-0.02	-	-0.02	0.08	-	0.20	-	2.18	0.1	-0.02	-0.02	0.05	0.17	-0.02	0.16	0.20	-0.05	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	0.38	0.20	0.19	
MW132D	28 Apr 2022	0967 MW132D 220428	Normal	0.05	-0.02	-	-0.02	0.04	-	0.28	-	0.38	-	1.99	0.1	-0.02	-0.02	0.08	0.68	-0.02	0.14	0.20	-0.05	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	4.49	4.07	2.27	
MW132D	26 Sep 2022	0967 MW132D 220926	Normal	0.81	-0.02	-	-0.02	0.12	0.50	-	0.78	-	4.54	0.3	-0.02	-0.02	0.15	1.36	-0.02	0.37	0.33	-0.05	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	9.27	8.37	5.04	
MW132D	24 Apr 2023	0967 MW132D 230424	Normal	0.69	-0.02	-	-0.02	0.10	0.33	-	0.63	-	3.55	0.2	-0.02	-0.02	0.12	1.04	-0.02	0.23	0.25	-0.05	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	7.20	6.47	3.88	
MW132D	26 Sep 2023	0967 MW132D 230926	Normal	0.26	-0.02	-	-0.02	0.13	0.33	-	0.68	-	2.16	0.1	-0.02	-0.02	0.15	1.36	-0.02	0.37	0.33	-0.05	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	9.27	8.37	5.04	
MW132D	17 Apr 2024	0967 MW132D 240417	Normal	1.20	-0.02	-	-0.02	0.12	0.31	-	0.86	-	5.14	0.3	-0.02	-0.02	0.16	1.24	-0.02	0.32	0.32	-0.05	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	9.97	8.99	5.45	
MW132D	28 Nov 2024	0967 MW132D 241128	Normal	0.66	-0.02	-	-0.02	0.02	-0.02	0.04	-0.02	0.27	0.3	-0.02	-0.02	-0.02	0.02	0.07	-0.02	0.02	0.02	-0.05	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	0.48	0.44	0.29	
MW132D	13 Feb 2025	0967 MW132D 250203	Normal	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
MW132D	07 Apr 2025	0967 MW132D 250407	Normal	-0.02	-0.02	-0.02	-0.02	0.06	0.1	-0.02	-0.02	0.12	0.3	-0.02	-0.02	-0.02	0.07	0.17	-0.02	0.07	0.17	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
MW132S	05 Oct 2017	PG MW32S	Normal	0.05	-0.02	-	-0.02	0.04	-	0.05	-	0.3	-0.01	-0.02	-0.02	-0.02	0.06	-0.02	0.02	0.15	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	0.52	0.47	0.34	
MW132S	05 Oct 2017	WFD OS 07	Field D	0.03	-0.02	-	-0.02	0.02	-	0.05	-	0.3	-0.01	-0.02	-0.02	-0.02	0.06	-0.02	0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	0.48	0.43	0.32	
MW132S	05 Oct 2017	WFS OS 07	Interlaid D	0.05	-0.02	-	-0.02	0.01	0.02	-	0.06	-	0.3	-0.01	-0.02	-0.02	-0.05	-0.01	0.06	-0.01	0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.1	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.01	-0.01	-0.01	-0.01	-	0.32	
MW132S	07 Mar 2019	0967 MW132S 190307	Normal	0.03	-0.02	-	-0.02	-0.02	0.03	-	0.03	-	0.17	-0.01	-0.02	-0.02	-0.02	0.04	-0.02	0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
MW132S	28 Oct 2021	0967 MW132S 191029	Normal	0.04	-0.02	-	-0.02	0.03	-	0.04	-	0.10	-0.01	-0.02	-0.02	-0.02	0.06	-0.02	0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
MW132S	12 May 2020	0967 MW132 S 200512	Normal	0.05	-0.02	-	-0.02	0.17	-	0.06	-	0.37	-0.01	-0.02	-0.02	-0.02	0.04	-0.02	0.02	0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	0.66	0.60	0.46	
MW132S	13 Oct 2020	0967 MW132S 201013	Normal	0.05	-0.02	-	-0.02	0.76	-	0.04	-	0.28	-0.01	-0.02	-0.02	-0.02	0.06	-0.02	0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	1.21	1.17	1.04	
MW132S	29 Apr 2021	0967 MW132S 210429	Normal	0.08	-0.02	-	-0.02	0.05	-	0.05	-	0.30	-0.01	-0.02	-0.02	-0.02	0.06	-0.02	0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	0.55	0.50	0.35	
MW132S	28 Sep 2021	0967 MW132S 210928	Normal	0.06	-0.02	-	-0.02	0.08	-	0.05	-	0.34	-0.01	-0.02	-0.02	-0.02	0.06	-0.02	0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	0.61	0.54	0.38	
MW132S	28 Apr 2022	0967 MW132S 220428	Normal	0.05	-0.02	-	-0.02	0.08	-	0.05	-	0.26	-0.01	-0.02	-0.02	-0.02	0.06	-0.02	0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02	-0.05	-0.05	-0.05	-0.05	0.51	0.46	0.34	
MW132S	26 Sep 2022	0967 MW132S 220926	Normal	0.06	-0.02	-	-0.02	0.03	0.28	-	0.07	-	0.52	-0.01	-0.02	-0.02	-0.02	0.08	-0.02	0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-	-0.05	-0.02	-0.05	-0.05	-0.02	-0.05	-0.02</								

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Of

Comments
 #1 Quantification of linear and branched isomers has been conducted as a single total response using the relative response factor for the corresponding linear standard.
 #2 Reported Analyte LOR is higher than Requested Analyte LOR
 #3 Quantification of linear and branched isomers has been conducted as a single total response using the relative response factor for the corresponding linear/branched standard.
 #4 ESDAT Combined with Non-Detect Multiplier of 0

Environmental Standards
NHMRC, June 2025, ADWG 2011 Health (v4.0 updated June 2025)
HEPA, March 2025, PFAS NEMP 2025 Recreational water quality

				PFAS - Perfluoroalkyl Sulfonic Acids										PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - Perfluoroalkyl Sulfonamides										PFAS - Fluorotelomer Sulfonic Acids										PFAS - Sums																																																																																																																																																																																																																																																																																																																																																																																													
				Perfluorobutanesulfonic acid (PFBS)	Perfluoropentanesulfonic acid (PFPS)	Perfluorohexanesulfonic acid (PFHxS)	Perfluoroheptanesulfonic acid (PFOS)	Perfluorooctanesulfonic acid (PFOS)	Perfluorononanesulfonic acid (PFNS)	Perfluorodecane sulfonic acid (PFDA)	Perfluoroundecane sulfonic acid (PFUnA)	Perfluorododecane sulfonic acid (PFDoA)	Perfluorotridecane sulfonic acid (PFTrDA)	Perfluorotetradecane sulfonic acid (PFTeDA)	Perfluoropentadecane sulfonic acid (PFPeDA)	Perfluorohexadecane sulfonic acid (PFHxDA)	N-Ethyl perfluorooctanesulfonamide (N-EtFOSA)	N-Ethyl perfluorononanesulfonamide (N-EtFNSA)	N-Ethyl perfluorodecane sulfonamide (N-EtFDSA)	N-Ethyl perfluoroundecane sulfonamide (N-EtFUnSA)	N-Ethyl perfluorododecane sulfonamide (N-EtFDoSA)	N-Ethyl perfluorotridecane sulfonamide (N-EtFTrSA)	N-Ethyl perfluorotetradecane sulfonamide (N-EtFTeSA)	N-Ethyl perfluoropentadecane sulfonamide (N-EtFPeSA)	N-Ethyl perfluorohexadecane sulfonamide (N-EtFHxSA)	N-Ethyl perfluorooctanesulfonamide (N-EtFOSA)	N-Ethyl perfluorononanesulfonamide (N-EtFNSA)	N-Ethyl perfluorodecane sulfonamide (N-EtFDSA)	N-Ethyl perfluoroundecane sulfonamide (N-EtFUnSA)	N-Ethyl perfluorododecane sulfonamide (N-EtFDoSA)	N-Ethyl perfluorotridecane sulfonamide (N-EtFTrSA)	N-Ethyl perfluorotetradecane sulfonamide (N-EtFTeSA)	N-Ethyl perfluoropentadecane sulfonamide (N-EtFPeSA)	N-Ethyl perfluorohexadecane sulfonamide (N-EtFHxSA)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS (n=10)	Sum of PFAS

[illegible]

LOR (standard)
LOR (low level)
ADWG 2011 Health (v4.0 updated June 2025)
PFAS NEMP 3.0 2025 Recreational water quality

[illegible]

Comments

#1 ESDAT Combined with Non-Detect Multiplier of 0

#2 Quantification of linear and branched isomers has been conducted as a single total response using the relative response factor for the corresponding linear/branched standard

#3 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards
NHMRC, June 2025, ADWG 2011 Health (v4.0 updated June 2025)
HEPA, March 2025, PFAS NEMP 3.0 2025 Recreational water quality

[illegible]

[illegible]

					PFAS - Perfluoroalkyl Sulfonic Acids										PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - Perfluoroalkyl Sulfonamide										PFAS - Fluorotelomer Sulfonic Acids				PFAS - Sums											
					Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorononane sulfonic acid (PFNS)	Perfluorodecane sulfonic acid (PFDS)	Perfluoroundecane sulfonic acid (PFUS)	Perfluorododecane sulfonic acid (PFDDA)	Perfluorotridecane sulfonic acid (PFTrDA)	Perfluorotetradecane sulfonic acid (PFTeDA)	Perfluoropentadecane sulfonic acid (PFPeDA)	Perfluorohexadecane sulfonic acid (PFHxDA)	Perfluorooctadecane sulfonic acid (PFODa)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDDoA)	Perfluorotridecanoic acid (PFTrDoA)	Perfluorotetradecanoic acid (PFTeDoA)	Perfluoropentadecanoic acid (PFPeDoA)	Perfluorohexadecanoic acid (PFHxDoA)	N-Ethyl perfluorooctane sulfonamide (PFOSA)	N-Ethyl perfluorononane sulfonamide (PFNSA)	N-Ethyl perfluorodecane sulfonamide (PFDSA)	N-Ethyl perfluoroundecane sulfonamide (PFUSA)	N-Ethyl perfluorododecane sulfonamide (PFDDSA)	N-Ethyl perfluorotridecane sulfonamide (PFTrDSA)	N-Ethyl perfluorotetradecane sulfonamide (PFTeDSA)	N-Ethyl perfluoropentadecane sulfonamide (PFPeDSA)	N-Ethyl perfluorohexadecane sulfonamide (PFHxDSA)	N-Ethyl perfluorooctadecane sulfonamide (PFODSA)	2,2,4,4-Tetrafluoro-3-methylpentane sulfonic acid (4,4-FTS)	2,2,4,4-Tetrafluoro-3-methylpentane sulfonic acid (4,4-FTS)	Sum of PFAS (Sum of Total)	Sum of WA DWER PFAS (n=10)	Sum of PFAS and PFS												
					0.0005	0.0005	0.01	0.0005	0.0003	0.01	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0003	0.0003	0.0003										
					2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2										
Area	Location Code	Date	Field ID	Sample Type																																														
Base drainage channels	SW020	20 Apr 2021	0967_QC113_210420	Field_D	0.07	<0.02	-	0.05	0.87	-	0.08	-	0.9	<0.1	<0.02	<0.02	0.03	0.35	<0.02	0.04	0.07	<0.05	<0.02	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	-	<0.05	1.51	<0.05	<0.05	3.97	3.84	1.77										
	SW020	20 Apr 2021	0967_QC213_210420	Interlab_D	0.06	<0.01	-	0.04	1.2	0.02	0.07	<0.01	0.72	0.1	<0.01	<0.01	0.02	0.17	<0.01	0.04	0.07	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05								
	SW020	20 Apr 2021	0967_SW020_210420	Normal	0.08	<0.02	-	0.05	1.03	-	0.08	-	0.93	<0.1	<0.02	<0.02	0.04	0.24	<0.02	0.05	0.07	<0.05	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05								
	SW020	31 May 2021	0967_SW020_210531	Normal	0.07	<0.02	-	0.04	1.29	-	0.07	-	0.64	<0.1	<0.02	<0.02	<0.02	0.14	<0.02	0.03	0.04	<0.05	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05								
	SW020	01 Jun 2021	0967_SW020_210601	Normal	0.08	<0.02	-	0.05	1.08	-	0.09	-	0.84	<0.1	<0.02	<0.02	<0.02	0.17	<0.02	0.03	<0.02	<0.05	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05								
	SW020	02 Jun 2021	0967_SW020_210602	Normal	0.07	<0.02	-	0.04	1.36	-	0.08	-	0.72	<0.1	<0.02	<0.02	<0.02	0.12	<0.02	0.03	0.04	<0.05	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05								
	SW020	03 Jun 2021	0967_SW020_210603	Normal	0.06	<0.02	-	0.04	1.29	-	0.07	-	0.64	<0.1	<0.02	<0.02	<0.02	0.12	<0.02	0.03	0.04	<0.05	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05								
	SW020	04 Jun 2021	0967_SW020_210604	Normal	0.06	<0.02	-	0.04	1.34	-	0.07	-	0.6	<0.1	<0.02	<0.02	<0.02	0.1	<0.02	0.03	0.03	<0.05	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05								
	SW020	08 Aug 2021	0967_QC100_210809	Field_D	0.06	<0.02	-	0.03	1.41	-	0.04	-	0.51	<0.1	<0.02	<0.02	<0.02	0.14	<0.02	0.03	0.04	<0.05	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05								
	SW020	08 Aug 2021	0967_QC200_210809	Interlab_D	0.05	<0.02	-	0.03	1.3	-	0.05	-	0.51	0.03	<0.02	<0.02	<0.02	0.01	0.13	<0.01	0.03	0.04	<0.05	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05									
	SW020	08 Aug 2021	0967_SW020_210809	Normal	0.05	<0.02	-	0.03	1.51	-	0.06	-	0.61	<0.1	<0.02	<0.02	<0.02	0.17	<0.02	0.03	0.05	<0.05	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05								
	SW020	13 Aug 2021	0967_SW020_210813	Normal	0.07	<0.02	-	0.04	2.12	-	0.08	-	0.78	<0.1	<0.02	<0.02	<0.02	0.18	<0.02	0.05	0.05	<0.05	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05								
	SW020	24 Aug 2021	0967_QC100_210824	Field_D	0.04	<0.02	-	0.04	1.41	-	0.06	-	0.55	<0.1	<0.02	<0.02	<0.02	0.14	<0.02	0.03	0.04	<0.05	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05								
	SW020	24 Aug 2021	0967_QC200_210824	Interlab_D	0.07	<0.02	-	0.05	1.5	-	0.06	-	0.66	0.03	<0.02	<0.02	<0.02	0.02	0.12	<0.01	0.02	0.06	<0.05	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05								
	SW020	24 Aug 2021	0967_SW020_210824	Normal	0.06	<0.02	-	0.04	1.6	-	0.07	-	0.63	<0.1	<0.02	<0.02	<0.02	0.15	<0.02	0.04	0.04	<0.05	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05								
	SW020	20 Sep 2021	0967_SW020_210920	Normal	0.06	<0.02	-	0.04	2.07	-	0.06	-	0.67	<0.1	<0.02	<0.02	<0.02	0.15	<0.02	0.03	0.03	<0.05	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05								
	SW020	21 Apr 2022	0967_SW020_210422	Normal	0.04	<0.02	-	0.05	3.19	-	0.04	-	0.46	<0.1	<0.02	<0.02	<0.02	0.08	<0.02	0.02	0.02	<0.05	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05								
	SW020	21 Jun 2022	0967_SW020_220621	Normal	0.04	<0.02	-	<0.02	0.86	-	0.04	-	0.41	<0.1	<0.02	<0.02	<0.02	0.11	<0.02	0.02	0.03	<0.05																												

[illegible]

[illegible]

[illegible]

Comments

#1 ESDAT Combined with Non-Detect Multiplier of 0

#2 Reported Analyte LOR is higher than Requested Analyte LOR

#3 Quantification of linear and branched isomers has been conducted as a single total response using the relative response factor for the corresponding linear/branched standard

Site drainage channels	SD015	03 Jul 2020	0967 QC202 200703
	SD015	03 Jul 2020	0967 SD015 200703

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Appendix E

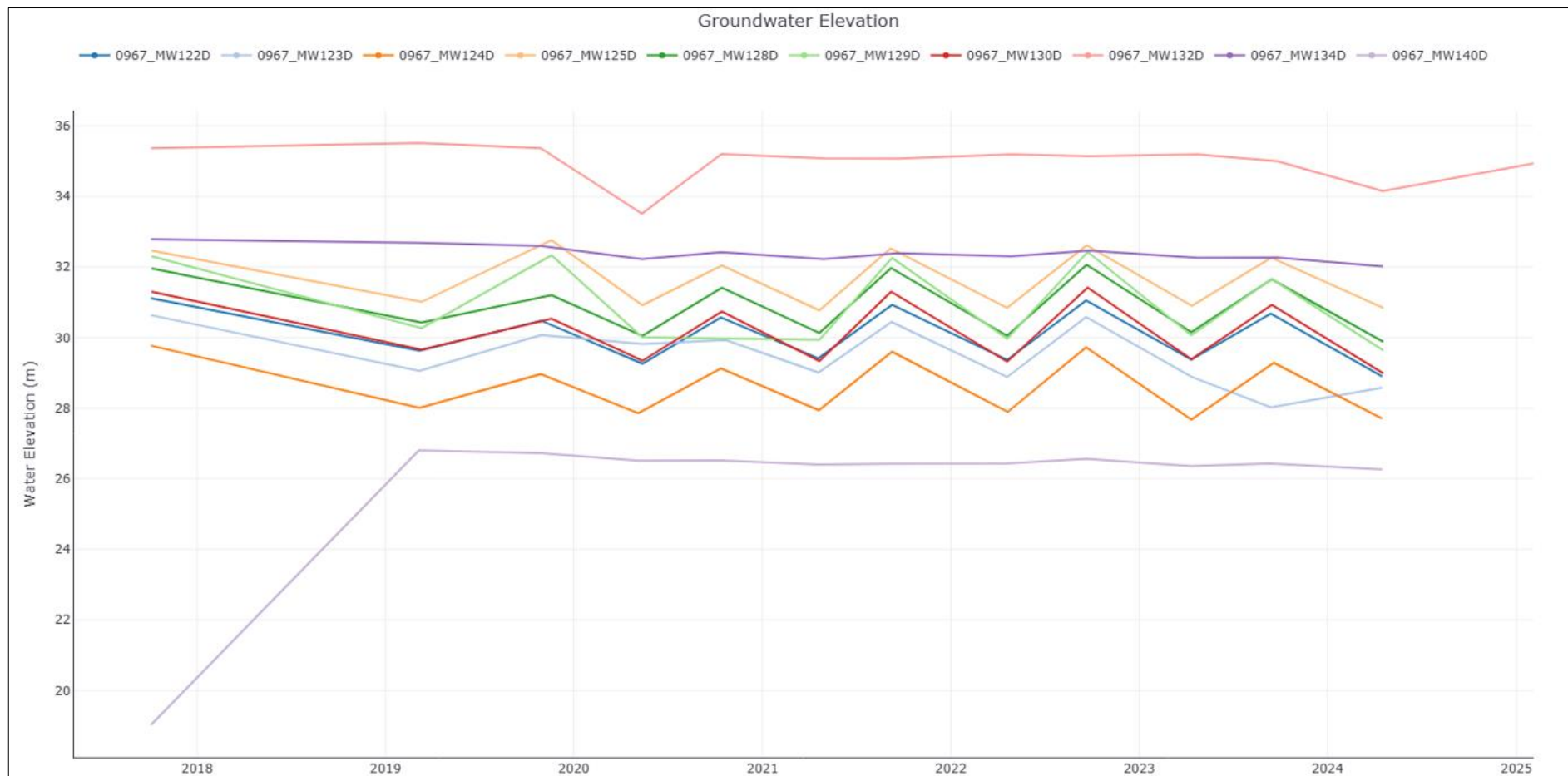
Groundwater elevation graphs



Graph G.1 **Groundwater elevation - Perched aquifer**



Graph G.2 **Groundwater elevation - Shallow wells**



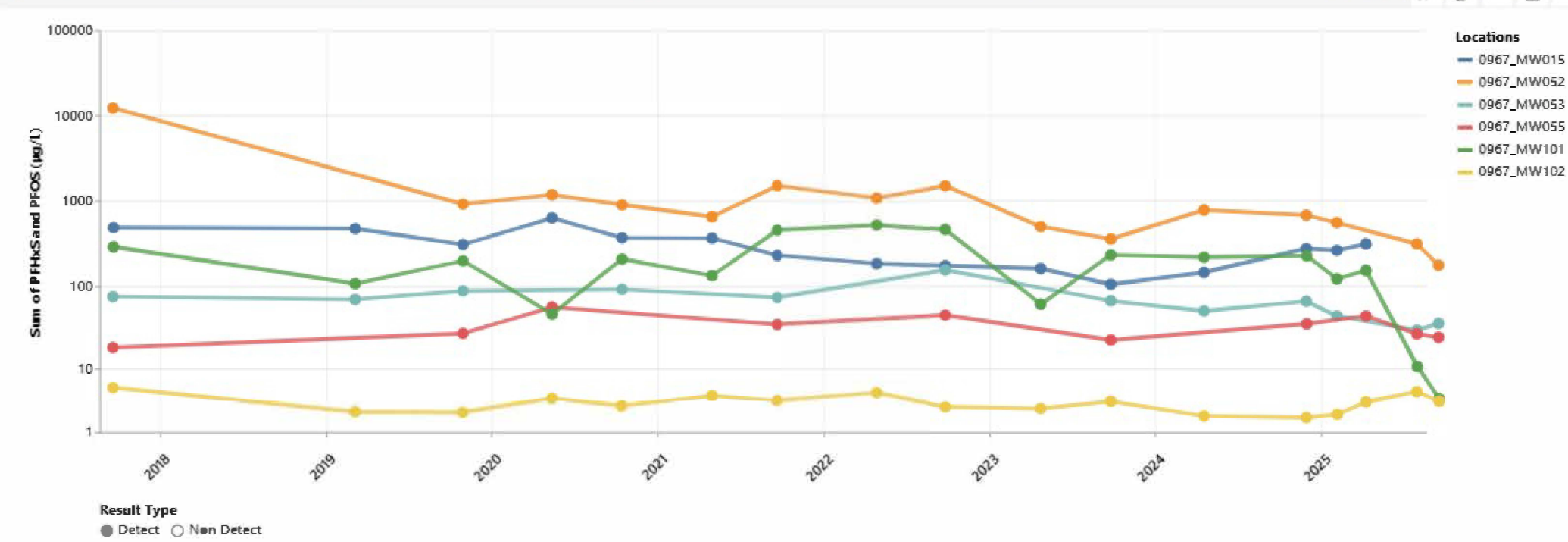
Graph G.3 **Groundwater elevations - Deep wells**

Appendix F

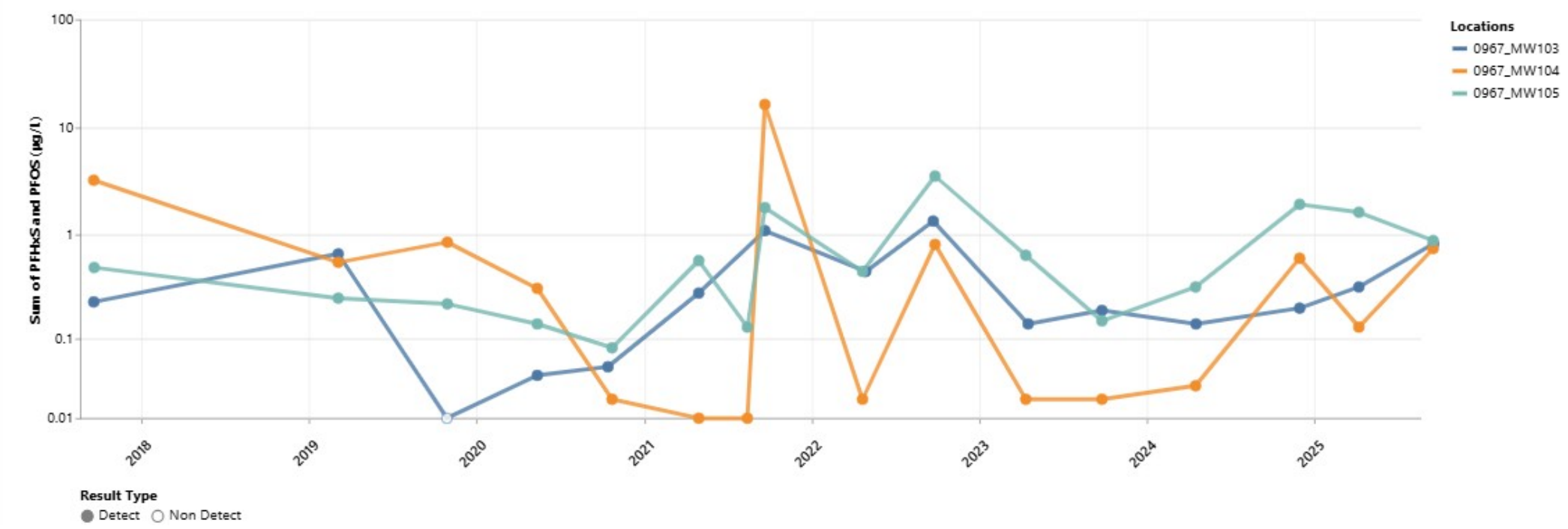
Time series graphs

Groundwater

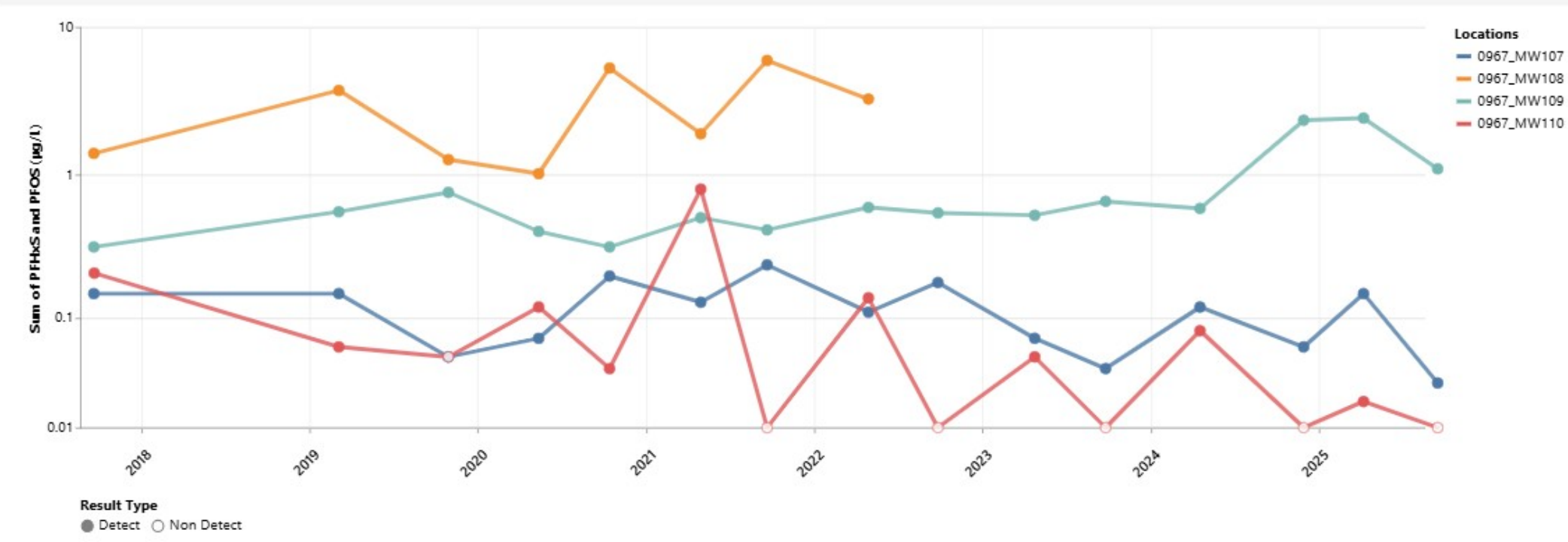
Source Area A



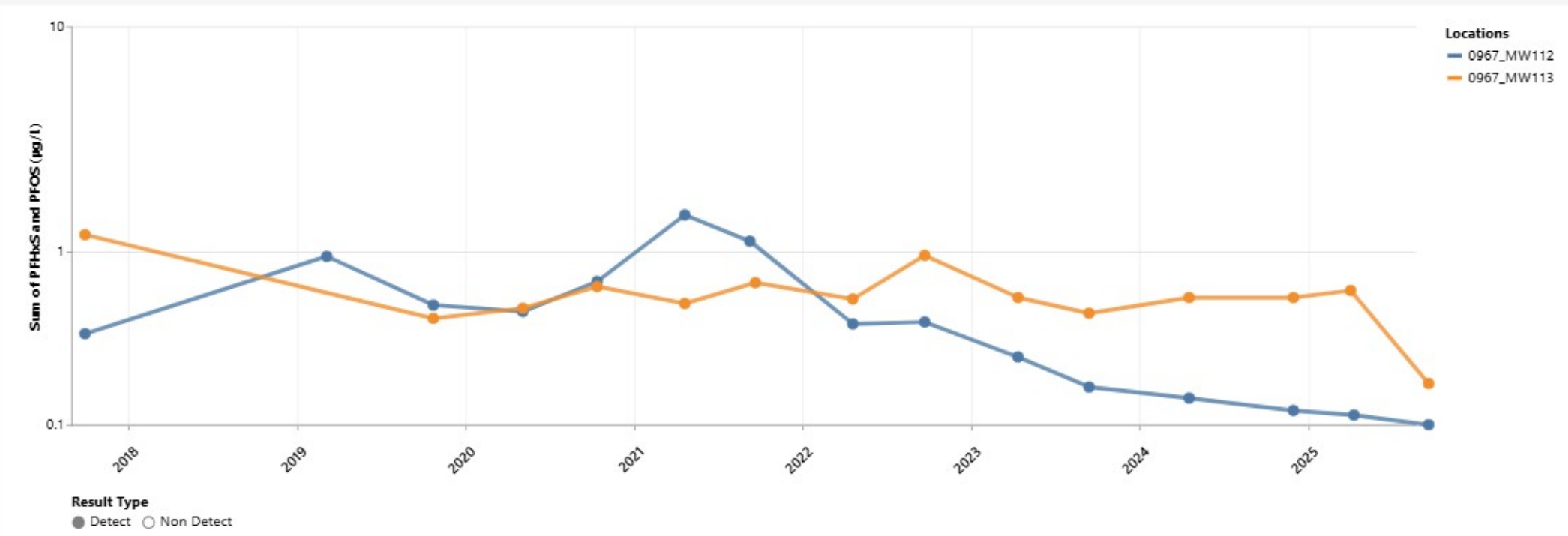
Source Area B



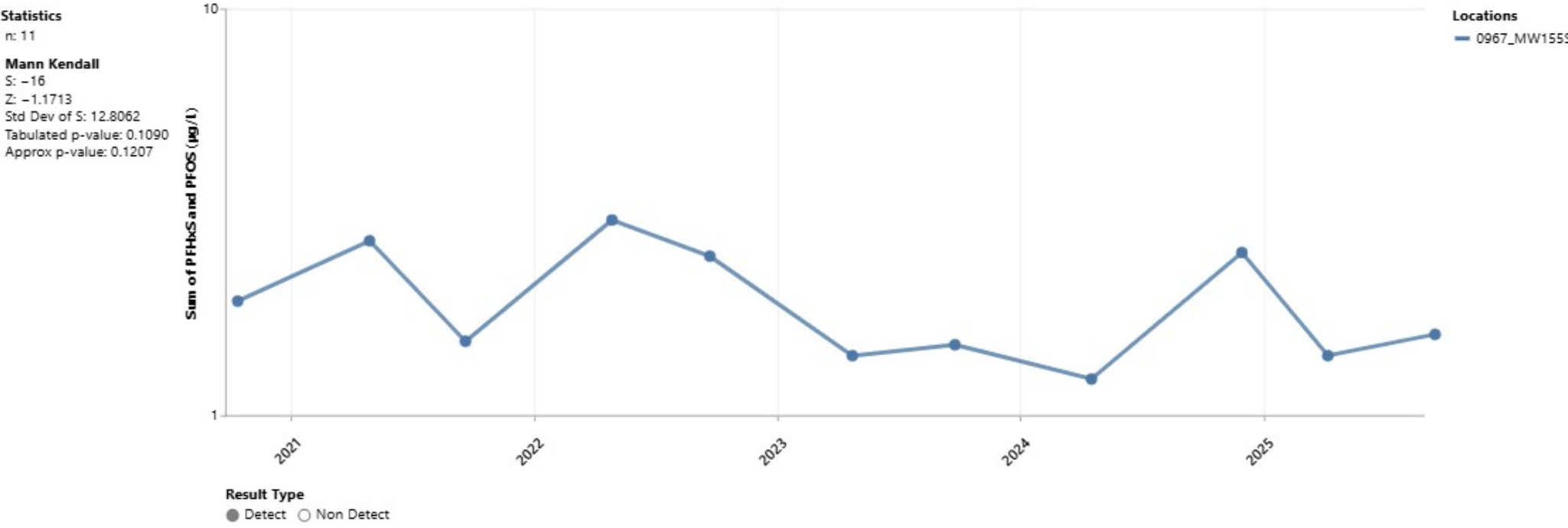
Source Area C



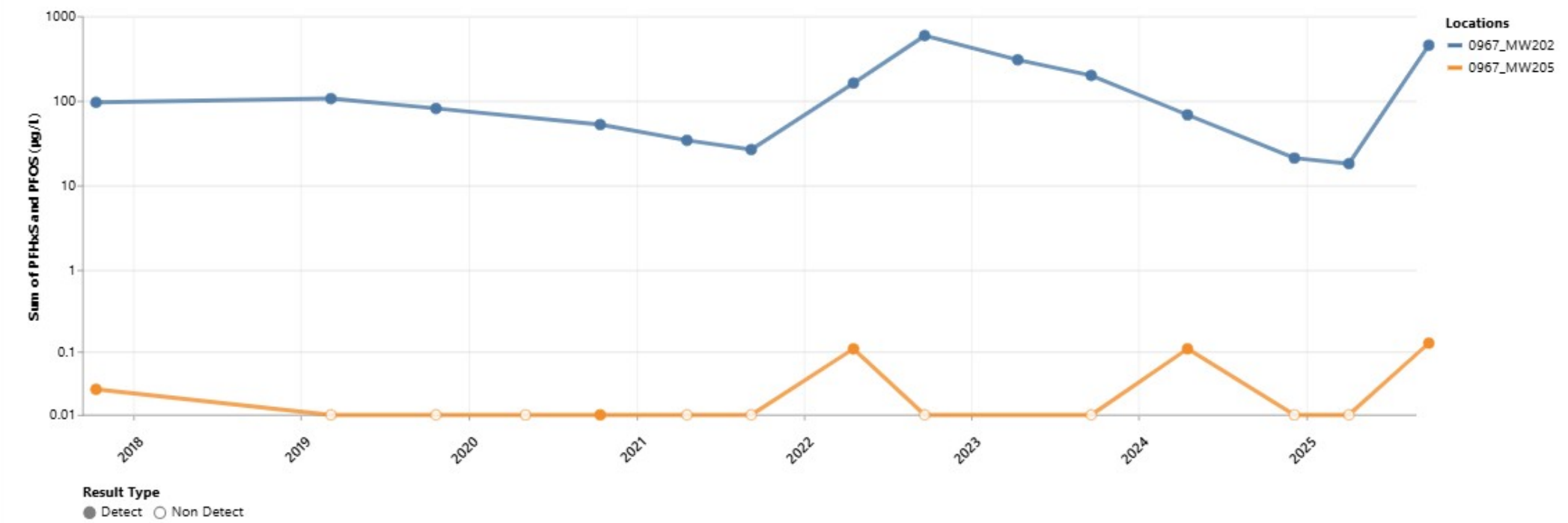
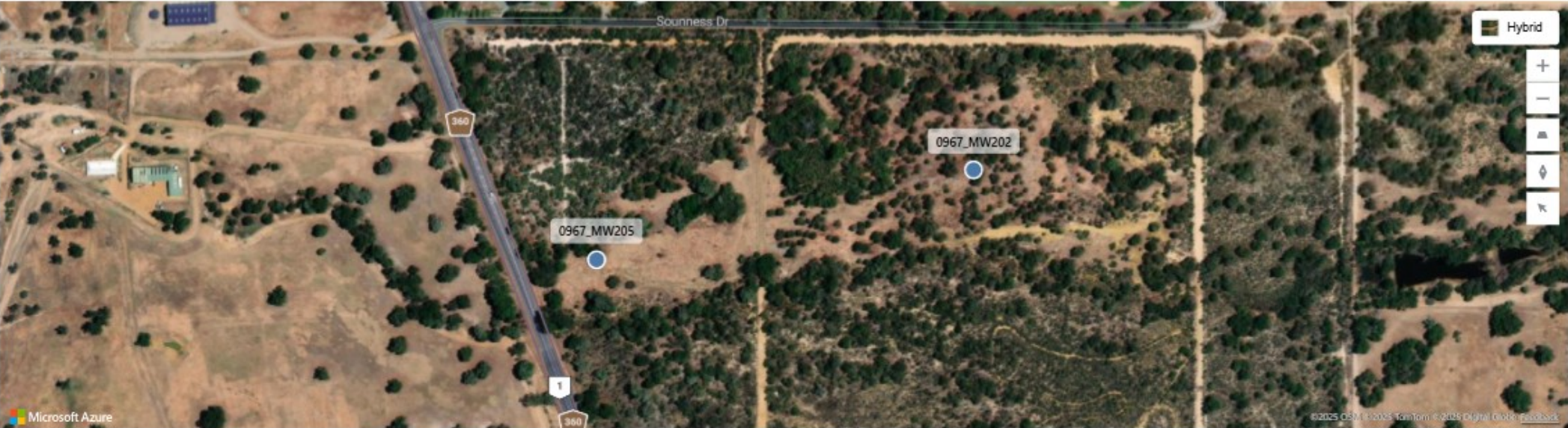
Source Area D



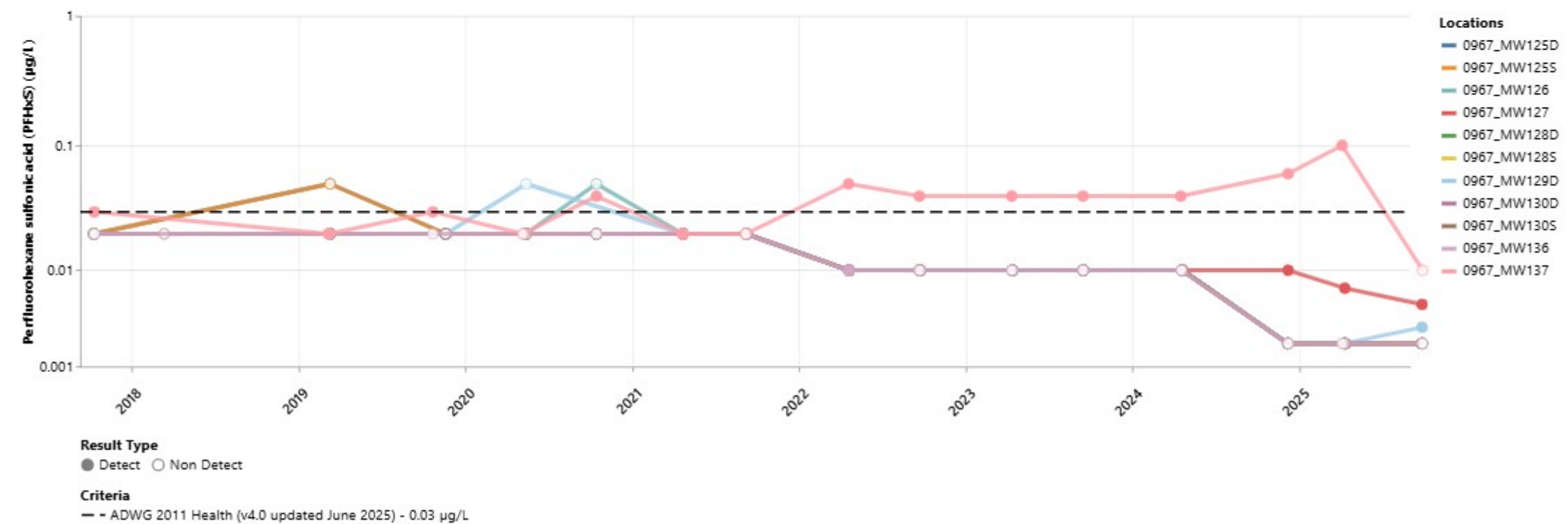
Source Area J



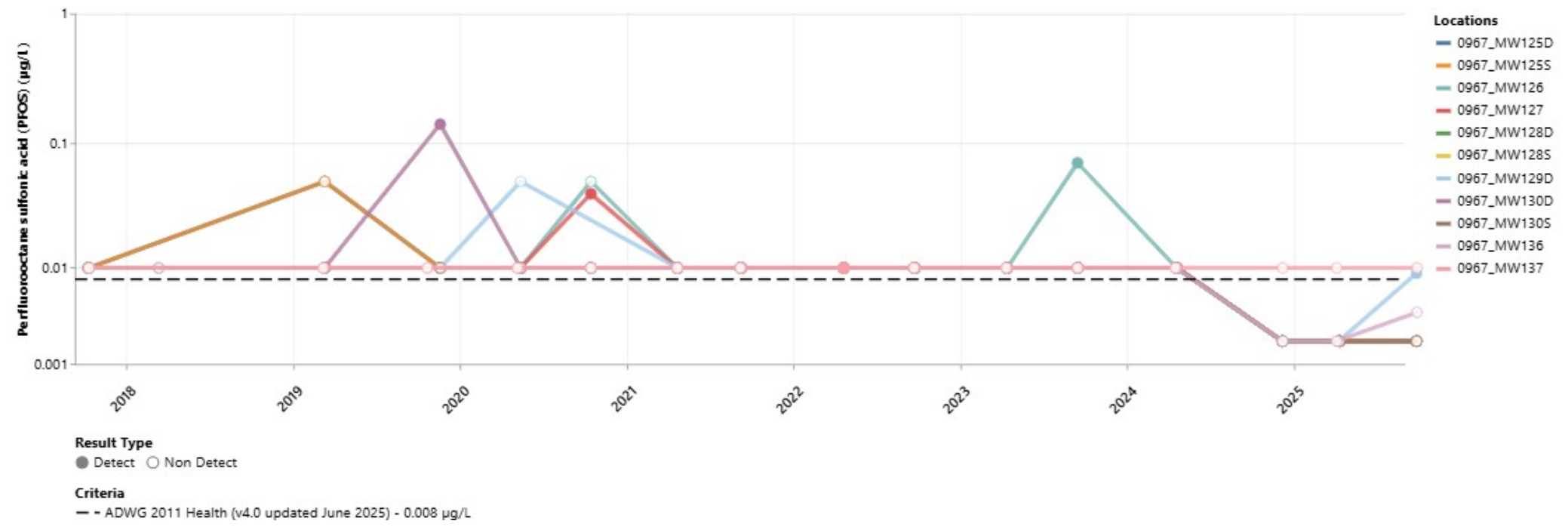
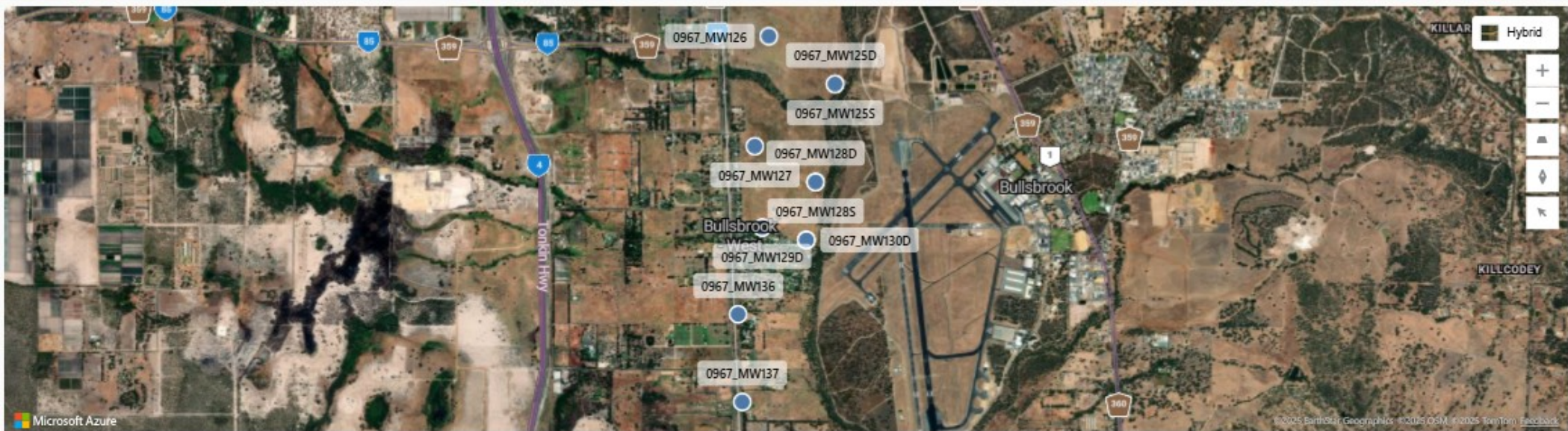
Source Area R



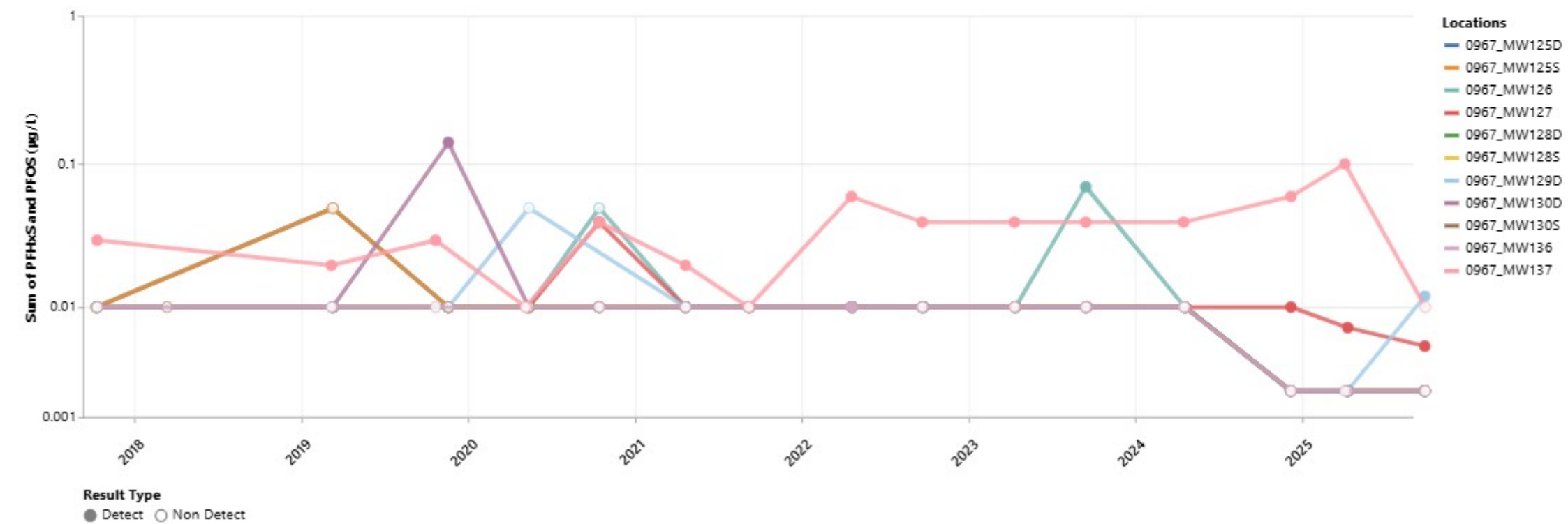
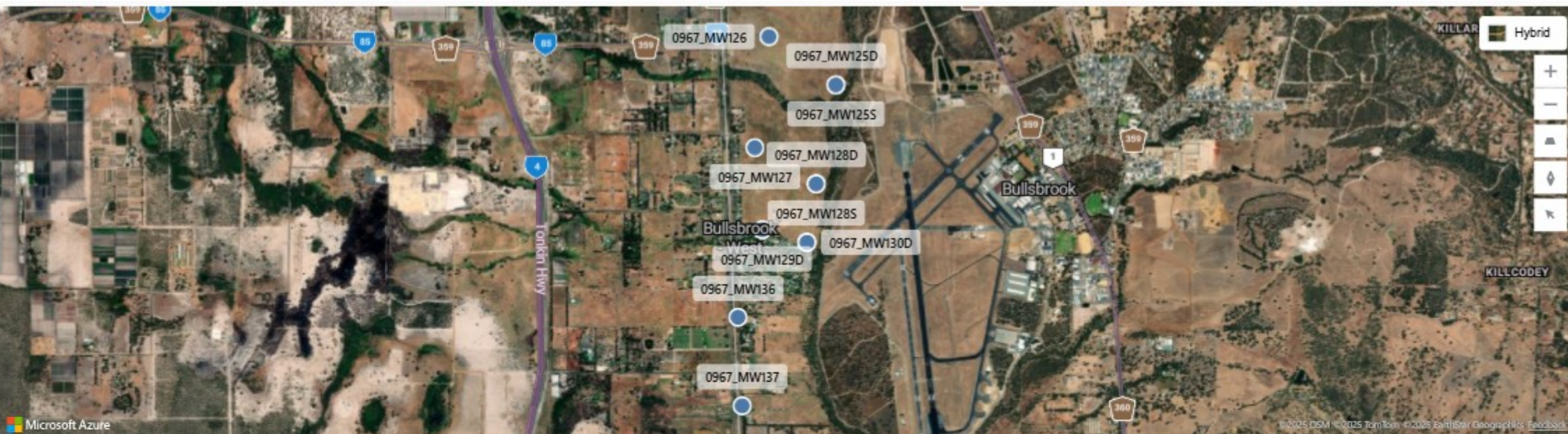
Off-base - PFHxS



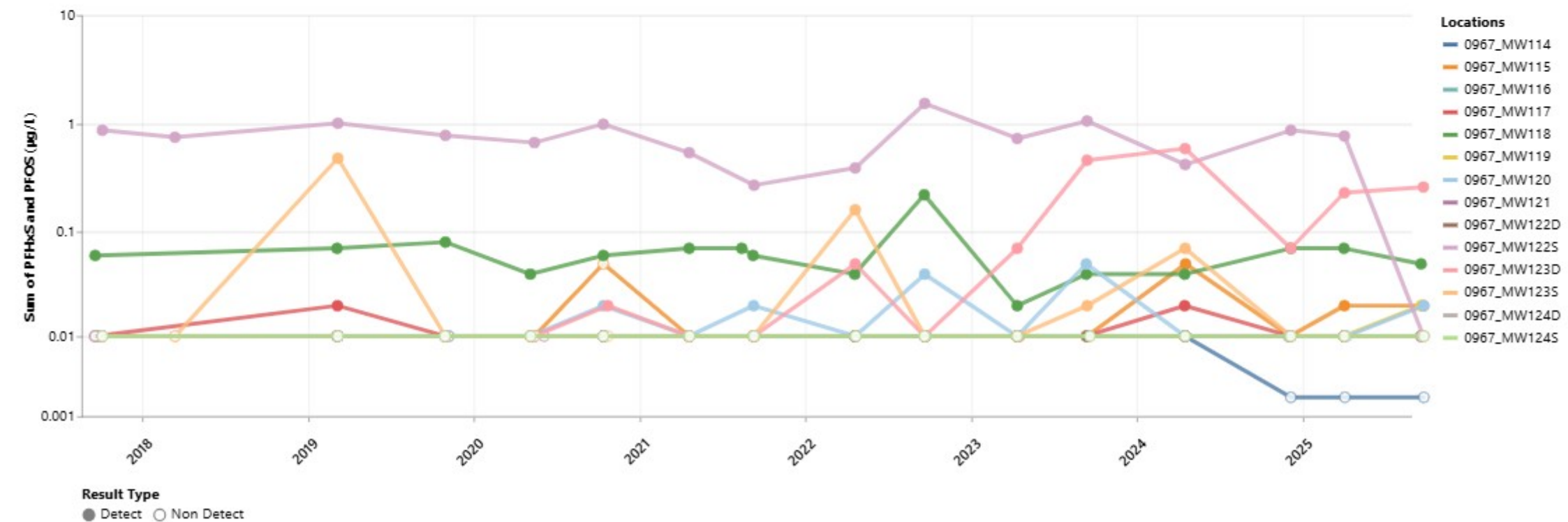
Off-base - PFOS



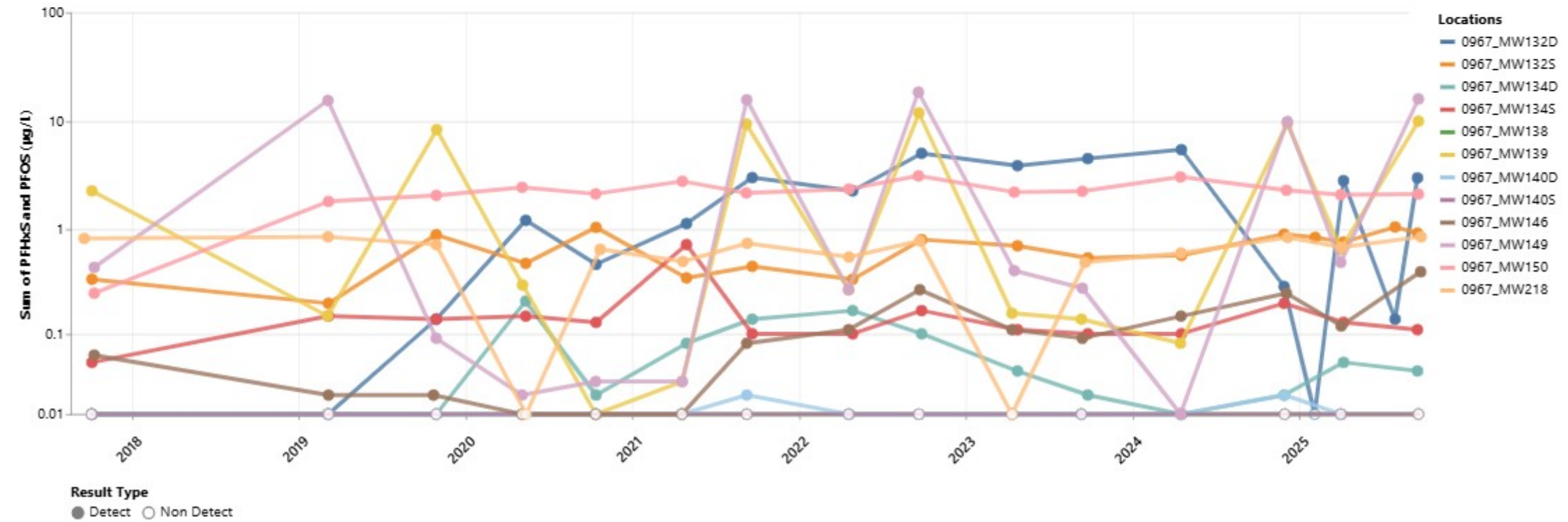
Off-base - Sum of PFHxS and PFOS



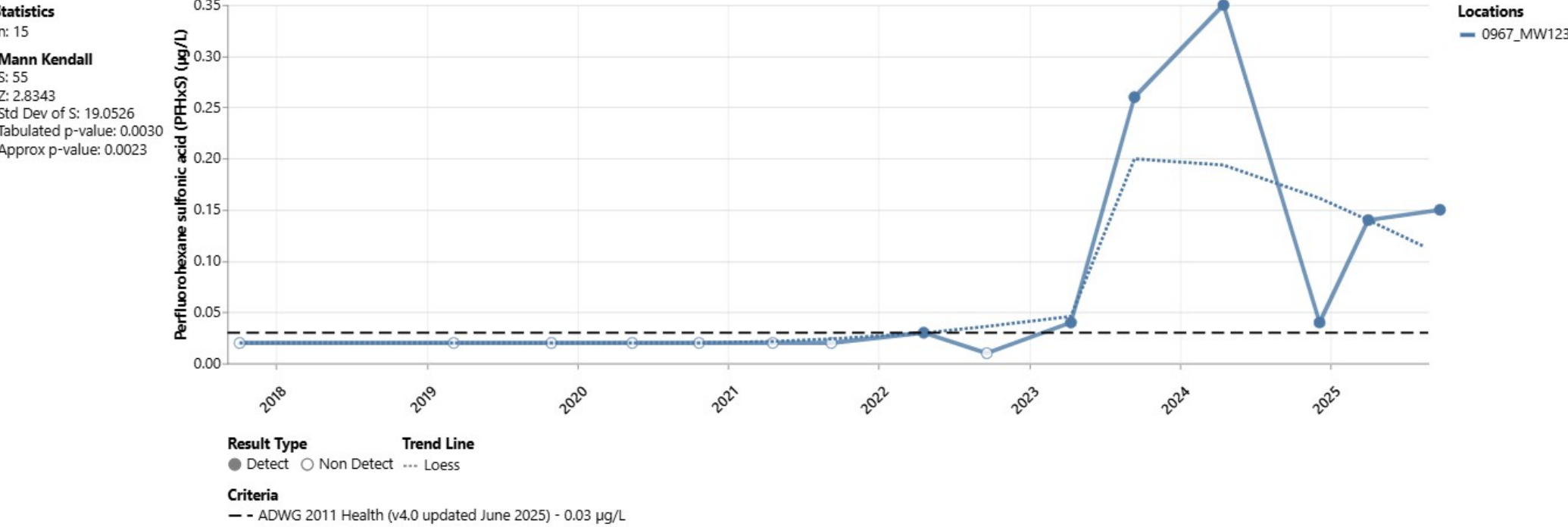
On-base - Other - Sum of PFHxS and PFOS



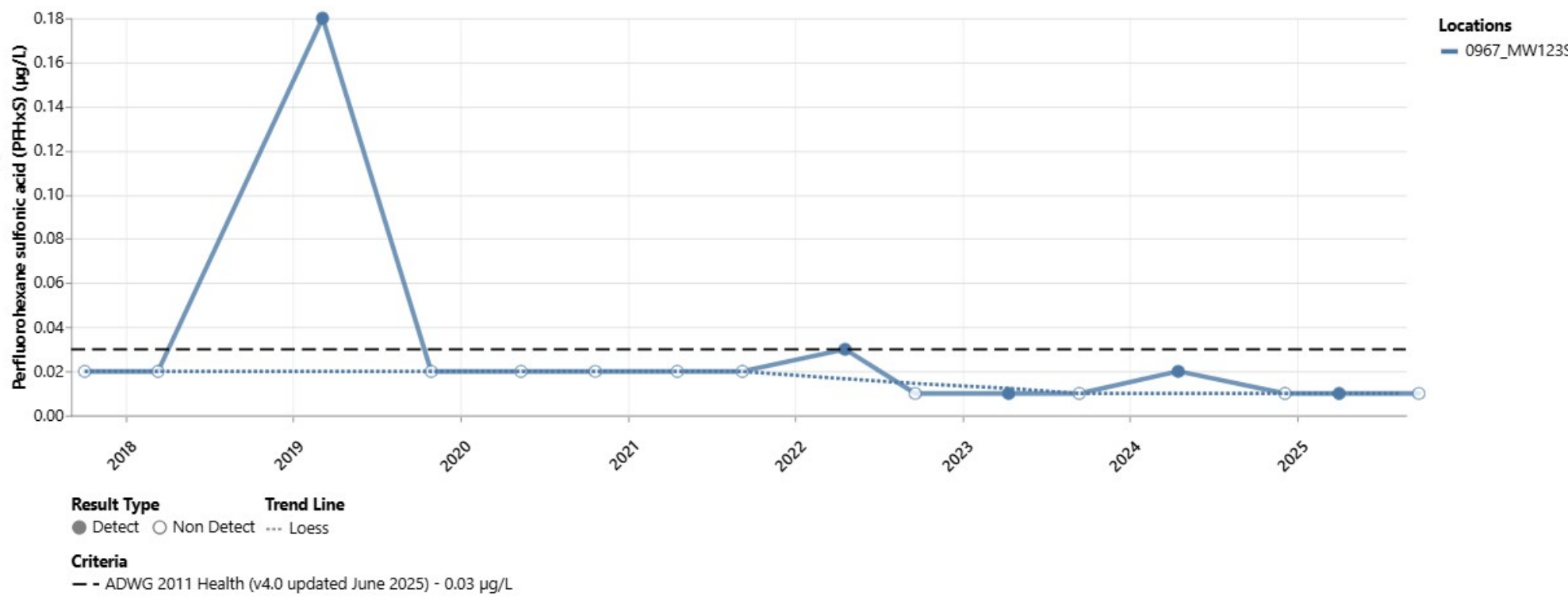
On - base - Other (continued)



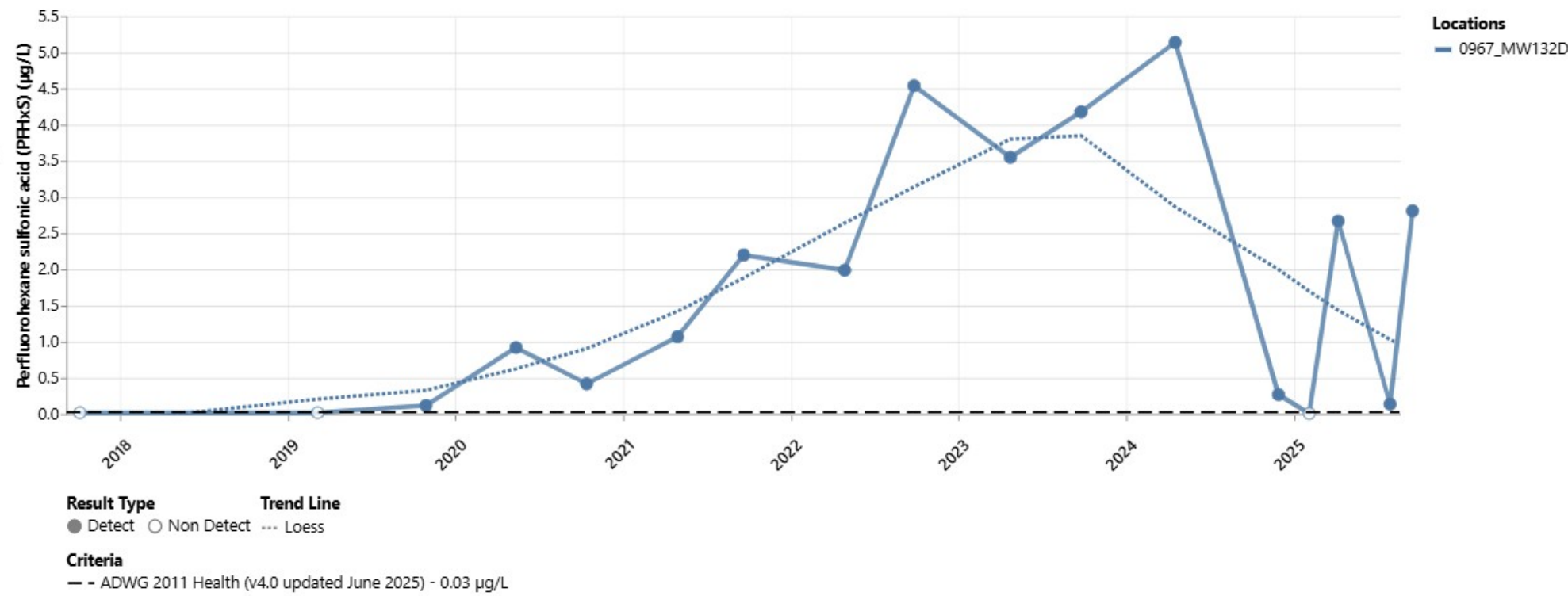
Statistics
n: 15
Mann Kendall
S: 55
Z: 2.8343
Std Dev of S: 19.0526
Tabulated p-value: 0.0030
Approx p-value: 0.0023



Statistics
n: 16
Mann Kendall
S: -53
Z: -2.6011
Std Dev of S: 19.9917
Tabulated p-value: 0.0080
Approx p-value: 0.0046



Statistics
n: 17
Mann Kendall
S: 45
Z: 1.8140
Std Dev of S: 24.2556
Tabulated p-value: 0.0320
Approx p-value: 0.0348



Statistics

n: 17

Mann Kendall

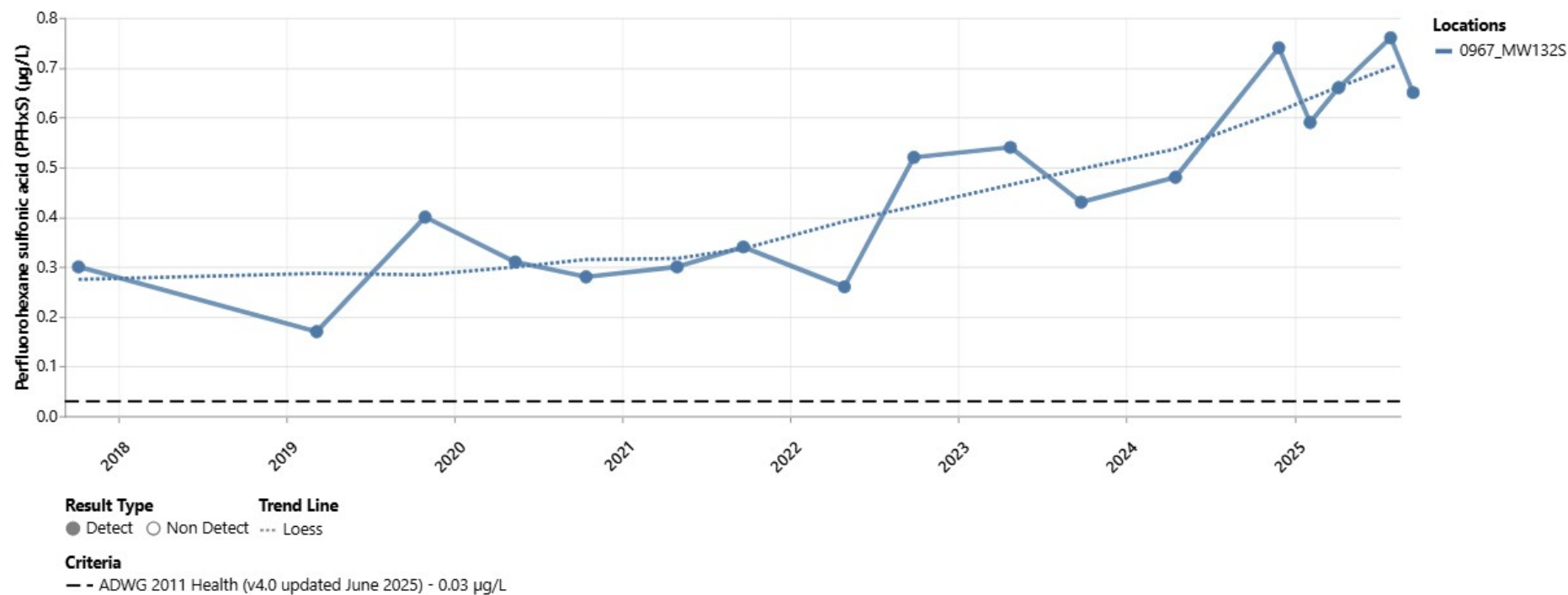
S: 89

Z: 3.6280

Std Dev of S: 24.2556

Tabulated p-value: 0.0000

Approx p-value: 0.0001



Statistics

n: 15

Mann Kendall

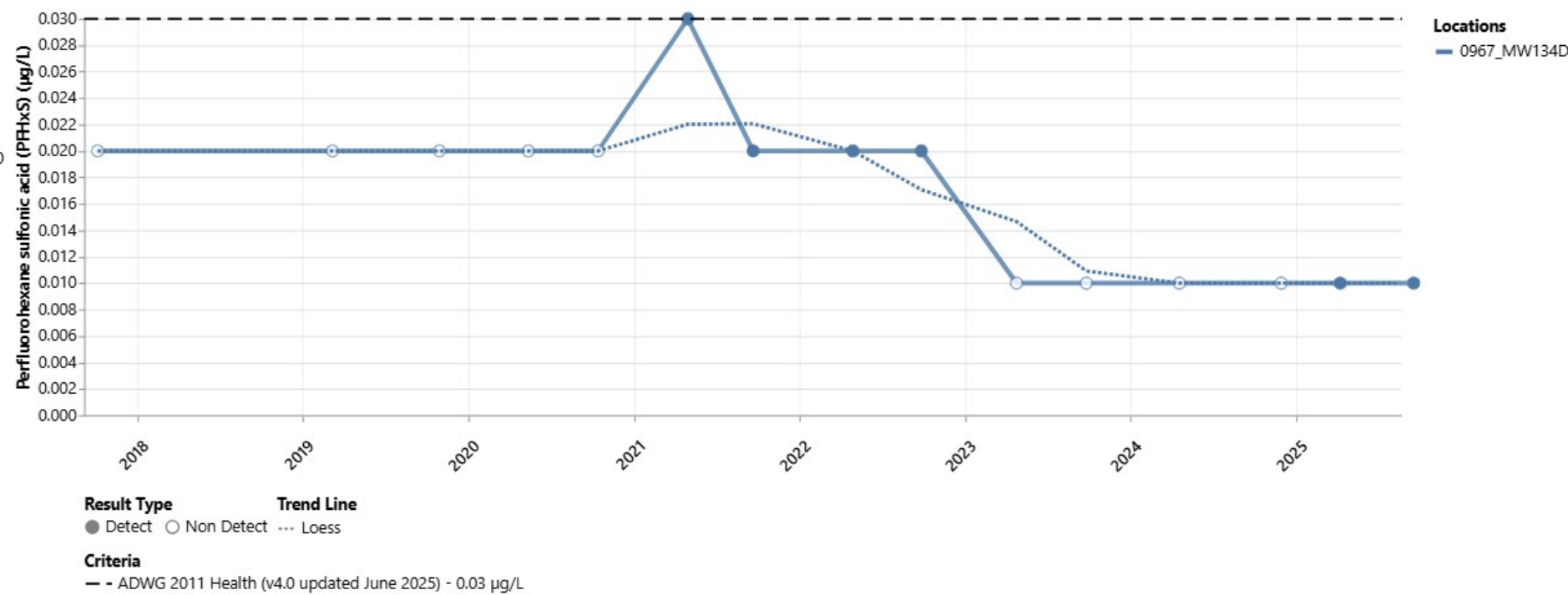
S: -52

Z: -2.8750

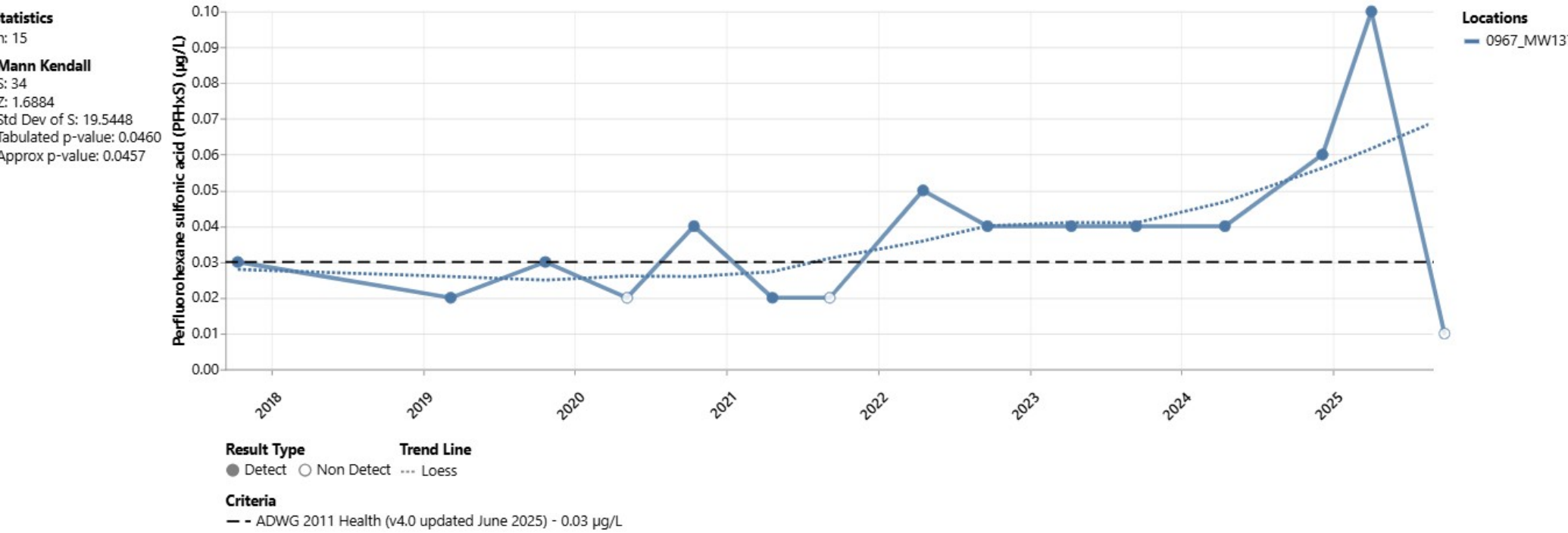
Std Dev of S: 17.7388

Tabulated p-value: 0.0040

Approx p-value: 0.0020



Statistics
n: 15
Mann Kendall
S: 34
Z: 1.6884
Std Dev of S: 19.5448
Tabulated p-value: 0.0460
Approx p-value: 0.0457



Statistics

n: 15

Mann Kendall

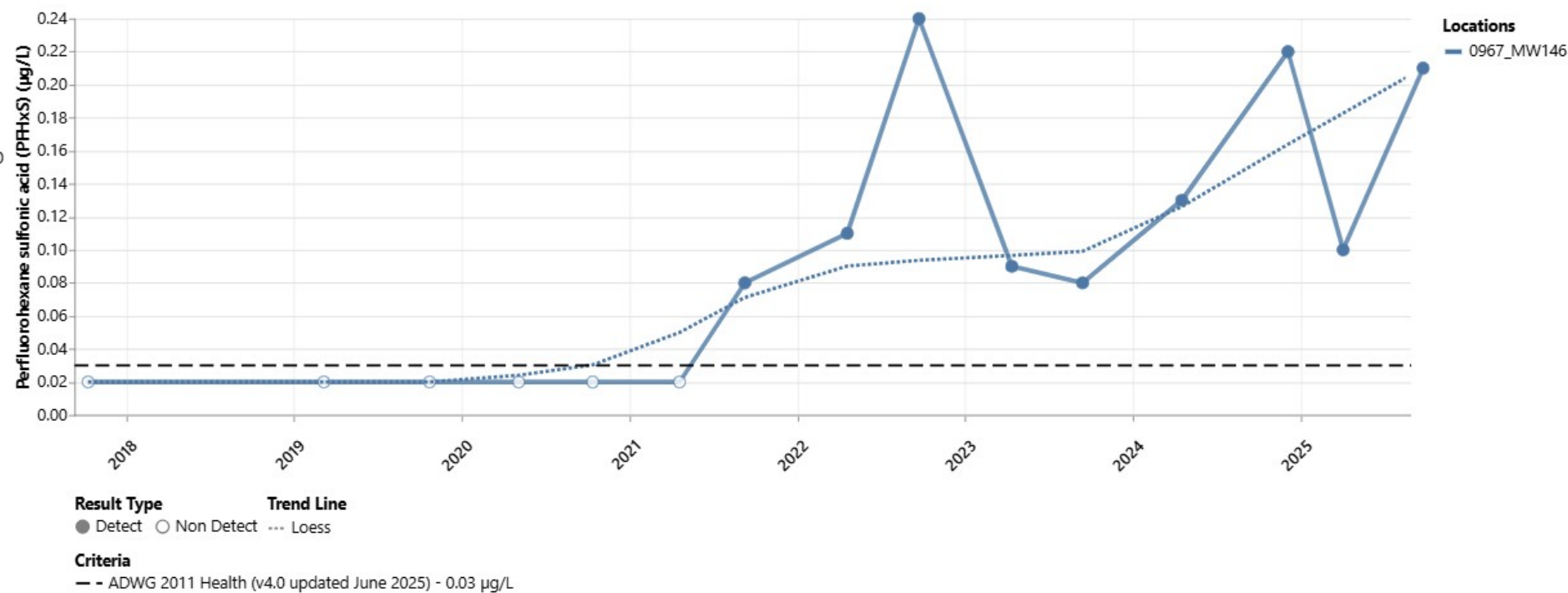
S: 63

Z: 3.1847

Std Dev of S: 19.4679

Tabulated p-value: 0.0010

Approx p-value: 0.0007



Statistics

n: 16

Mann Kendall

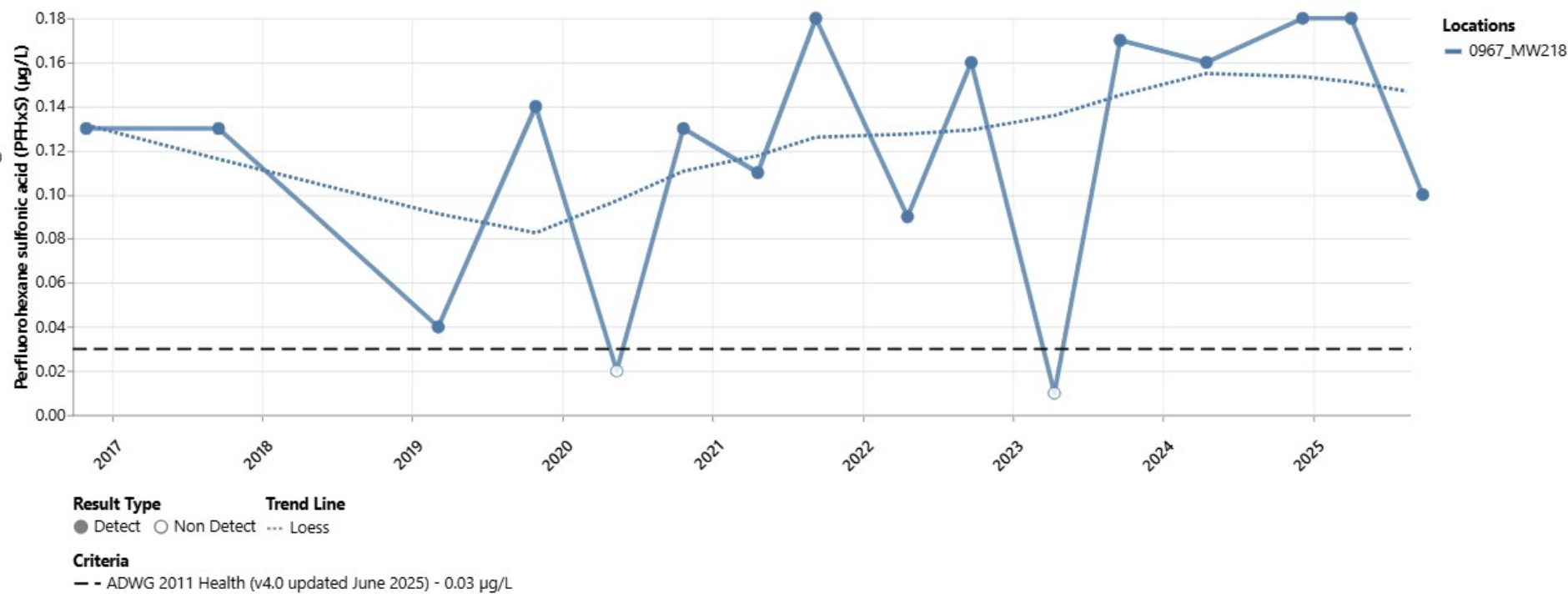
S: 29

Z: 1.2714

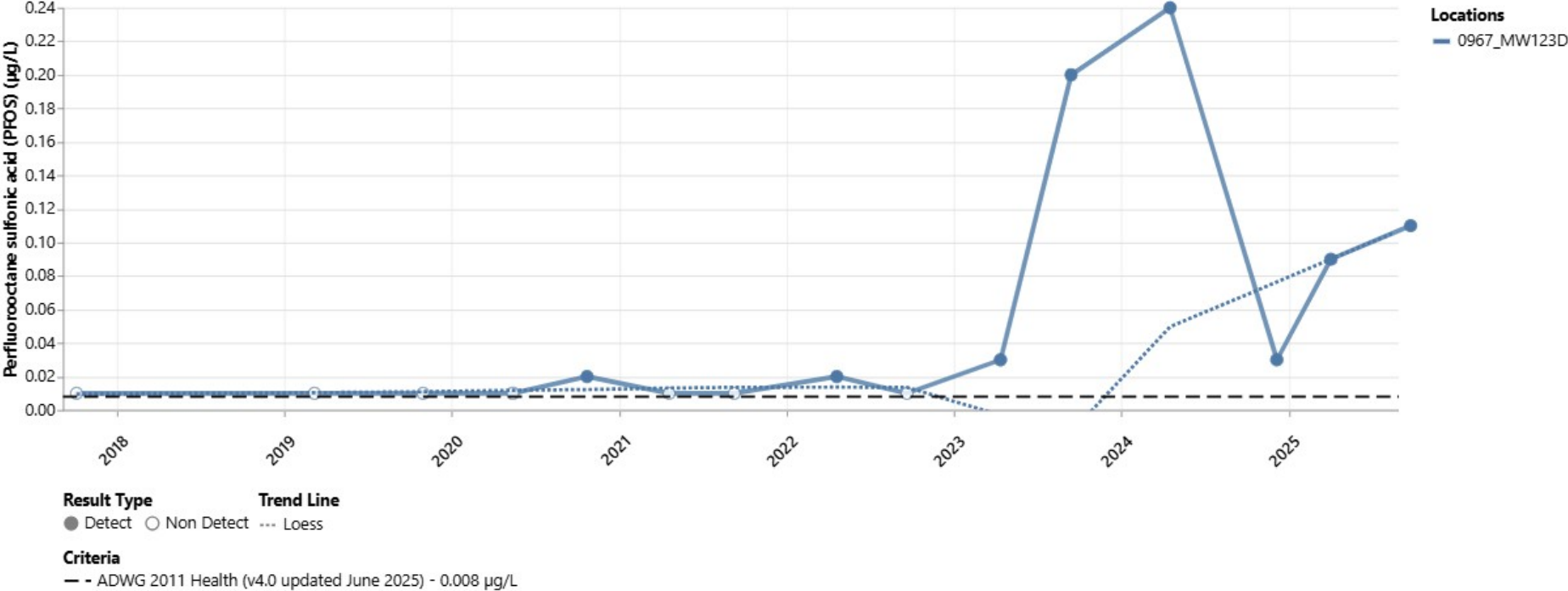
Std Dev of S: 22.0227

Tabulated p-value: 0.0970

Approx p-value: 0.1018



Statistics
n: 15
Mann Kendall
S: 62
Z: 3.2061
Std Dev of S: 19.0263
Tabulated p-value: 0.0010
Approx p-value: 0.0007



Statistics

n: 15

Mann Kendall

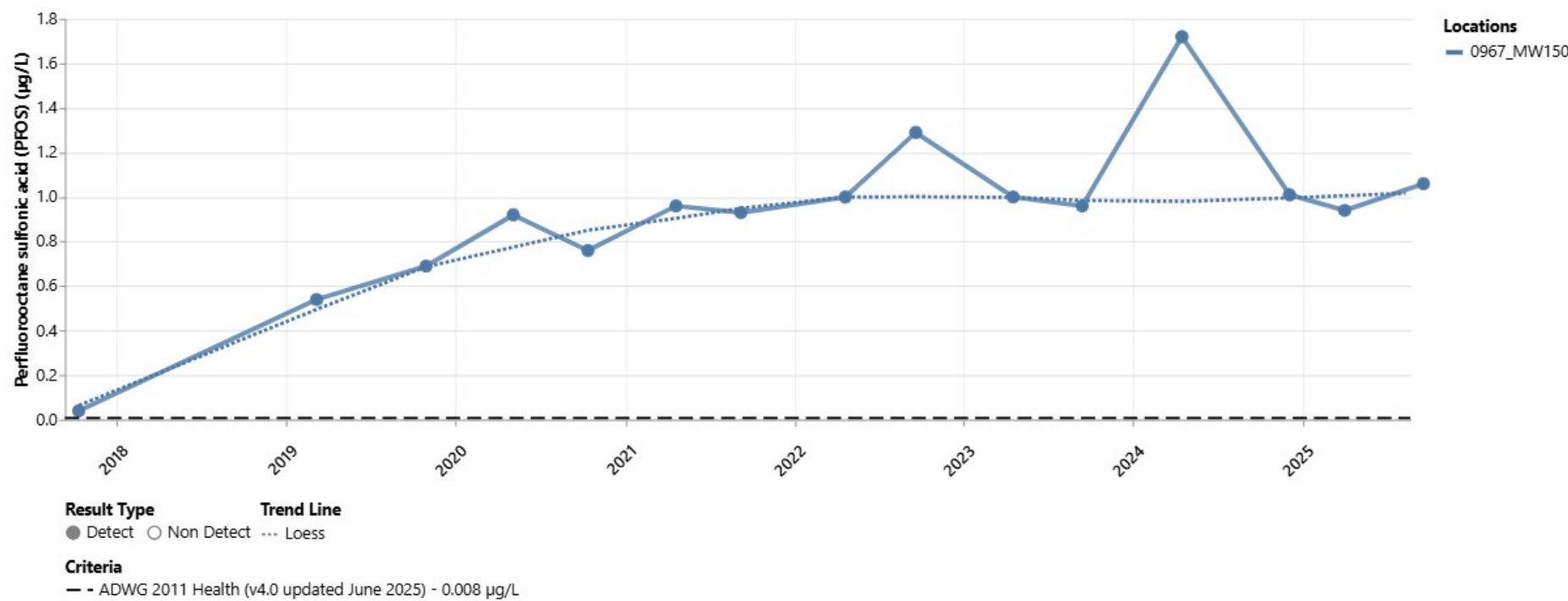
S: 69

Z: 3.3734

Std Dev of S: 20.1577

Tabulated p-value: 0.0000

Approx p-value: 0.0004



Statistics

n: 15

Mann Kendall

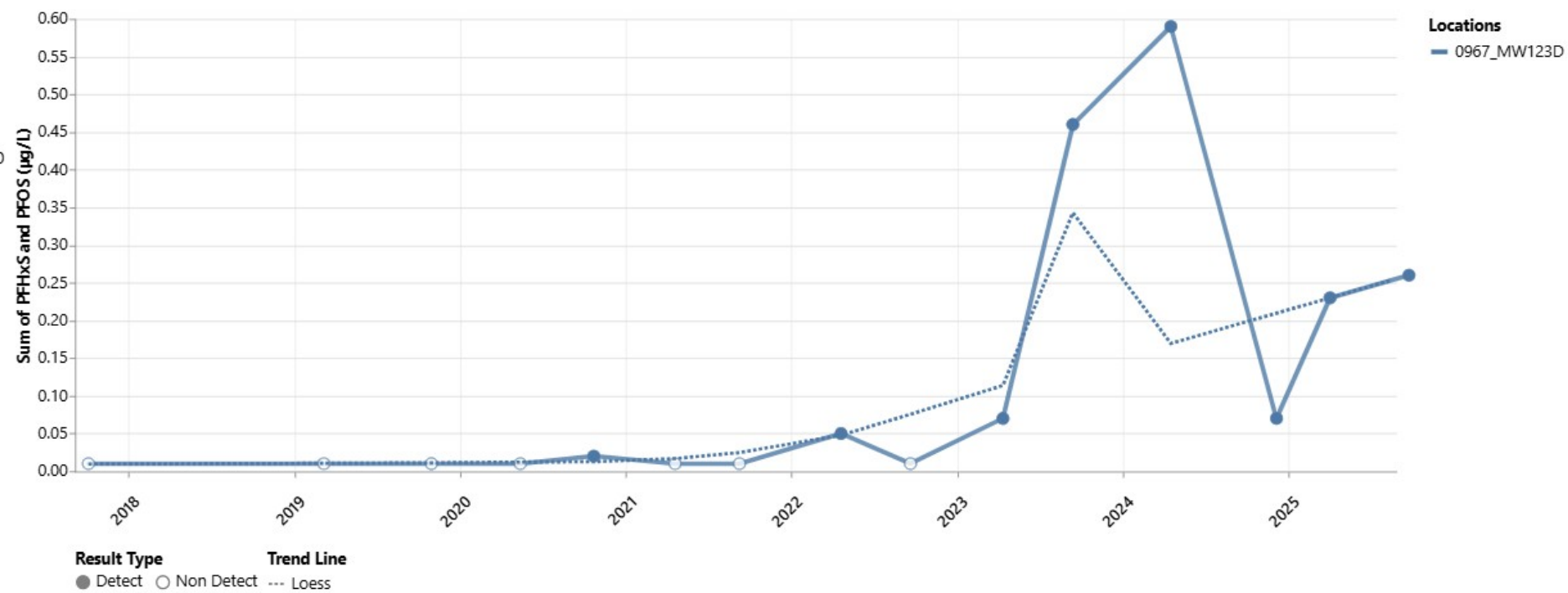
S: 63

Z: 3.2542

Std Dev of S: 19.0526

Tabulated p-value: 0.0010

Approx p-value: 0.0006



Statistics

n: 17

Mann Kendall

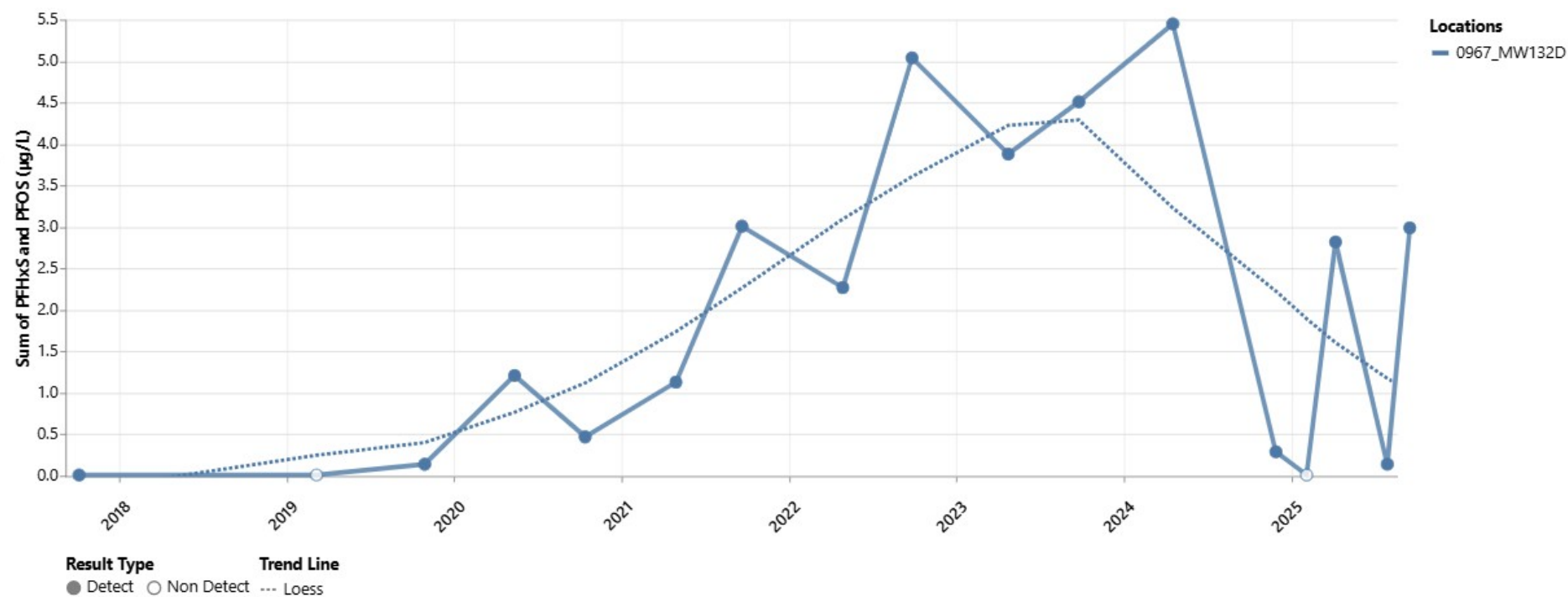
S: 40

Z: 1.6129

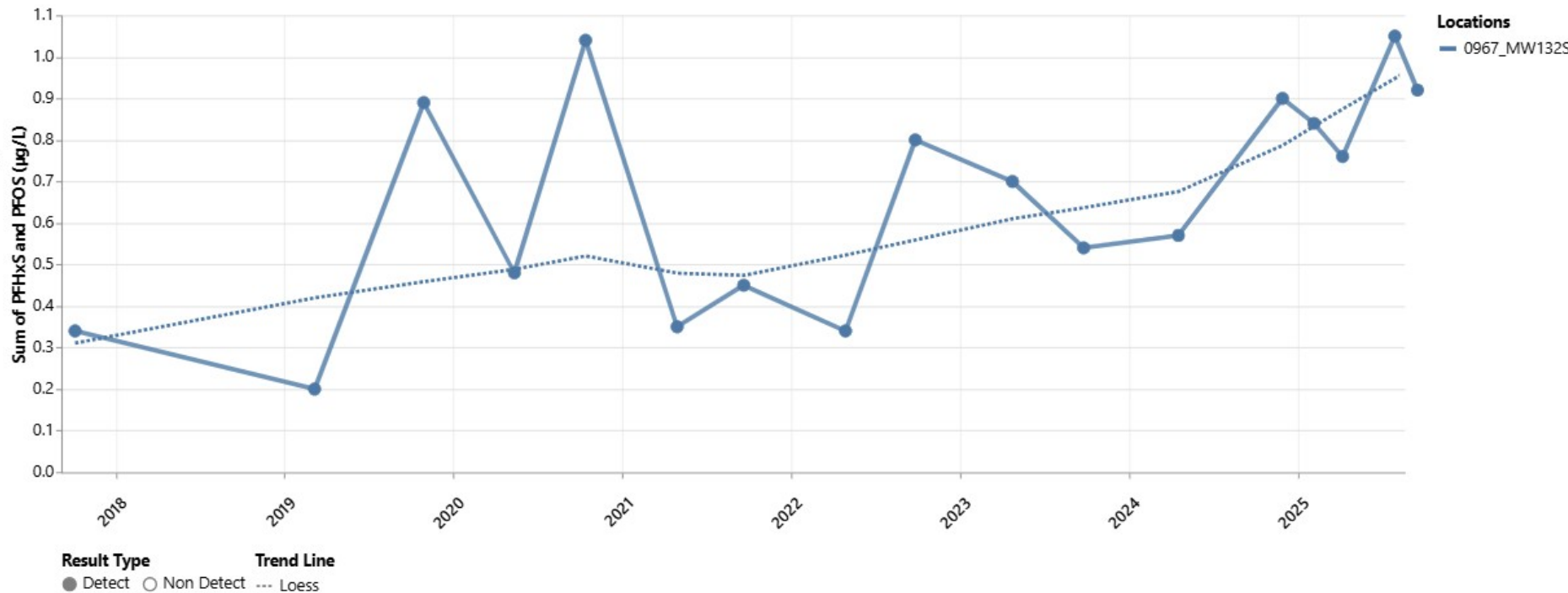
Std Dev of S: 24.1799

Tabulated p-value: 0.0540

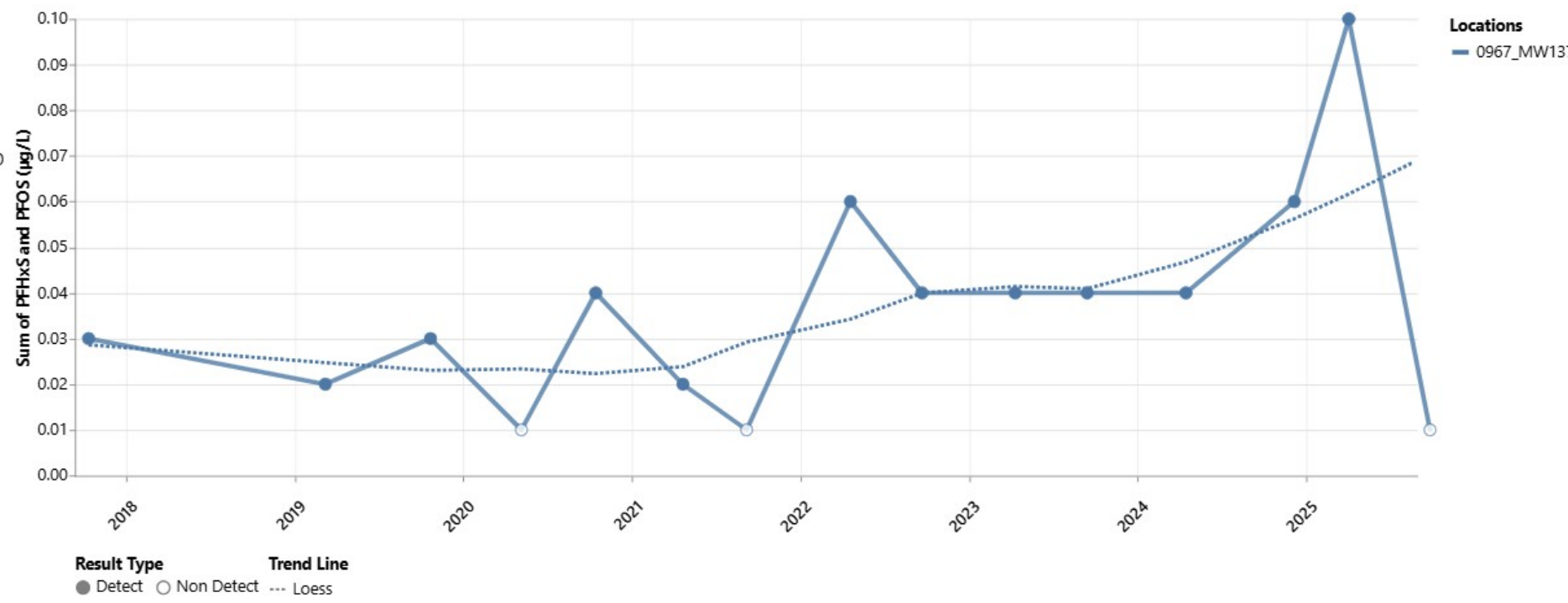
Approx p-value: 0.0534



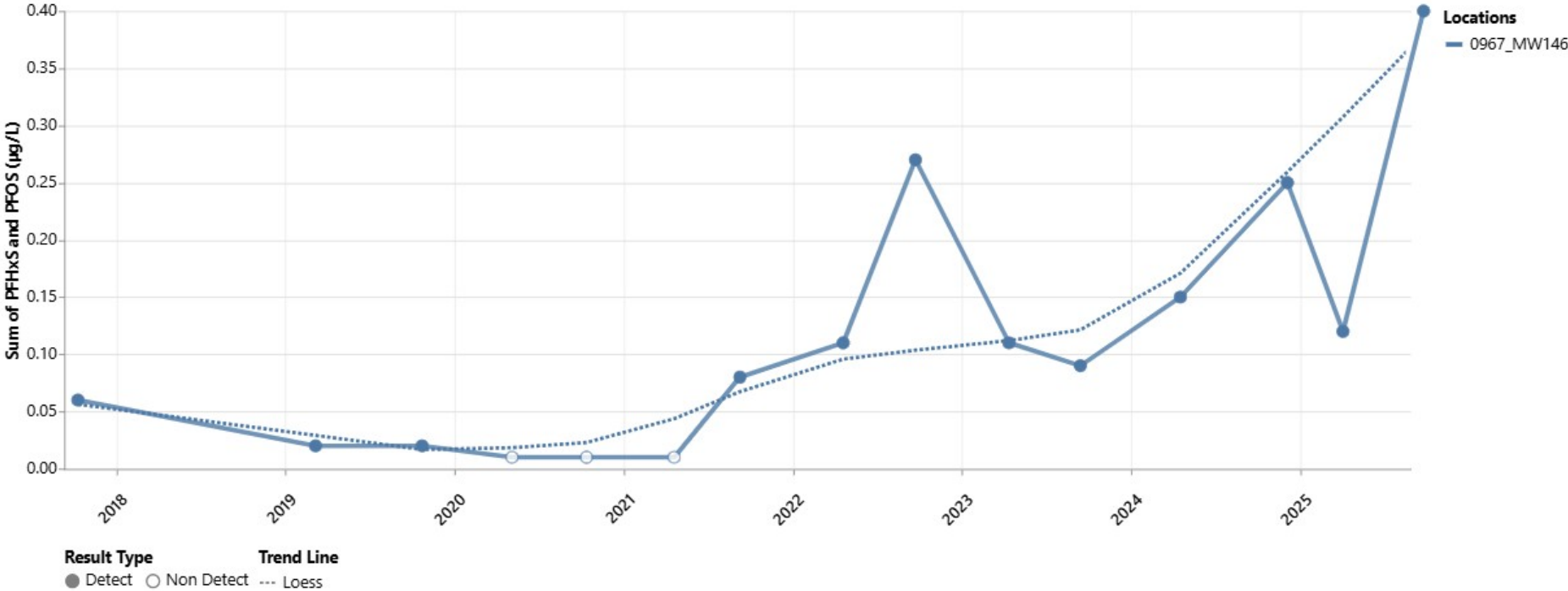
Statistics
n: 17
Mann Kendall
S: 61
Z: 2.4737
Std Dev of S: 24.2556
Tabulated p-value: 0.0050
Approx p-value: 0.0067



Statistics
n: 15
Mann Kendall
S: 33
Z: 1.6309
Std Dev of S: 19.6214
Tabulated p-value: 0.0570
Approx p-value: 0.0515



Statistics
n: 15
Mann Kendall
S: 60
Z: 2.9402
Std Dev of S: 20.0666
Tabulated p-value: 0.0010
Approx p-value: 0.0016



Statistics

n: 15

Mann Kendall

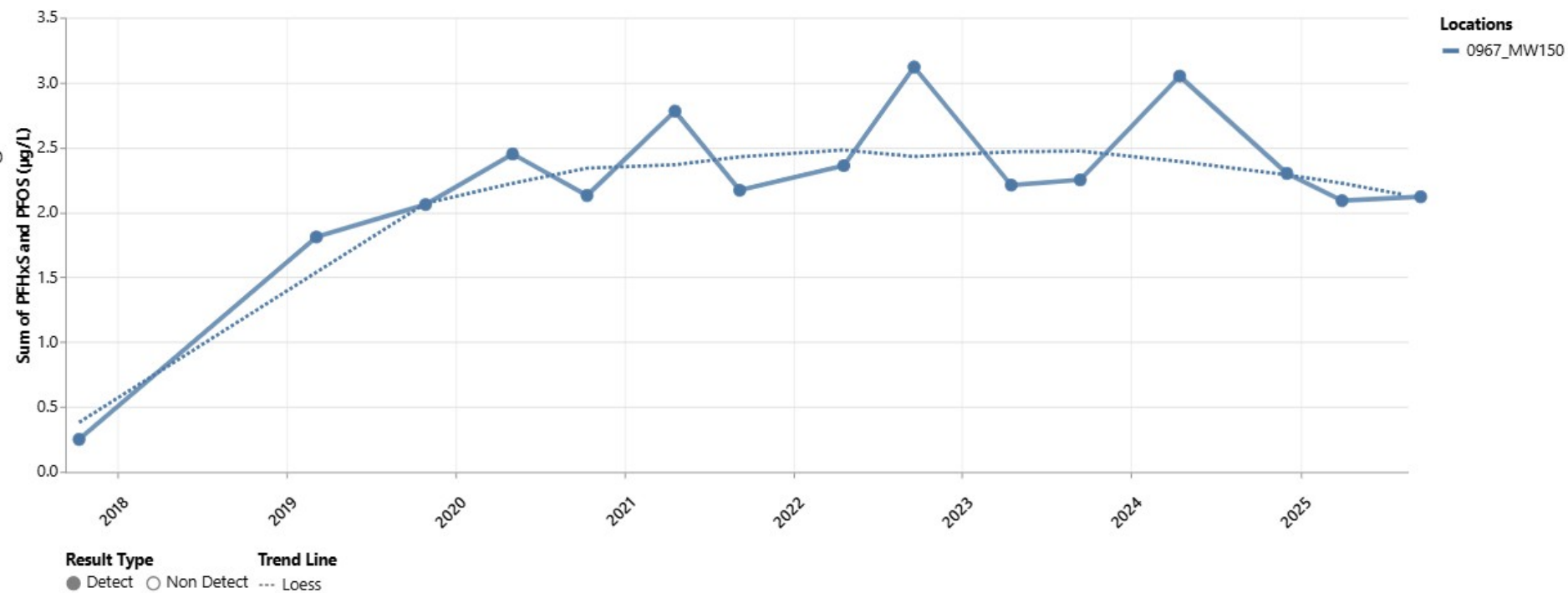
S: 27

Z: 1.2867

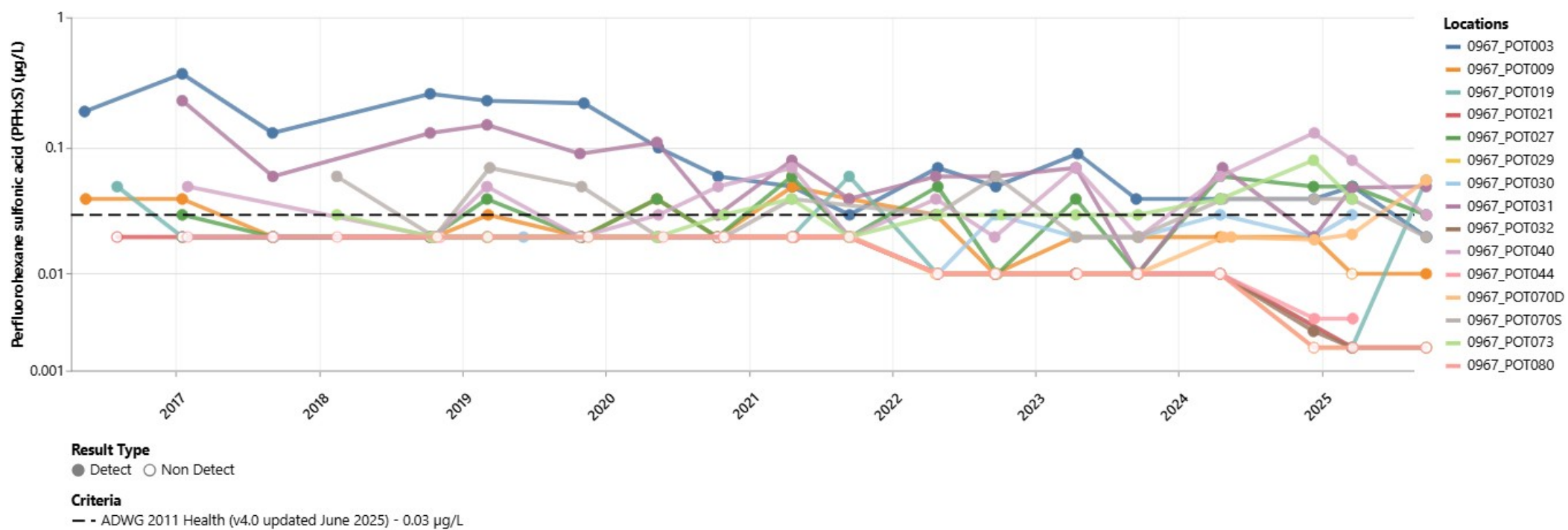
Std Dev of S: 20.2073

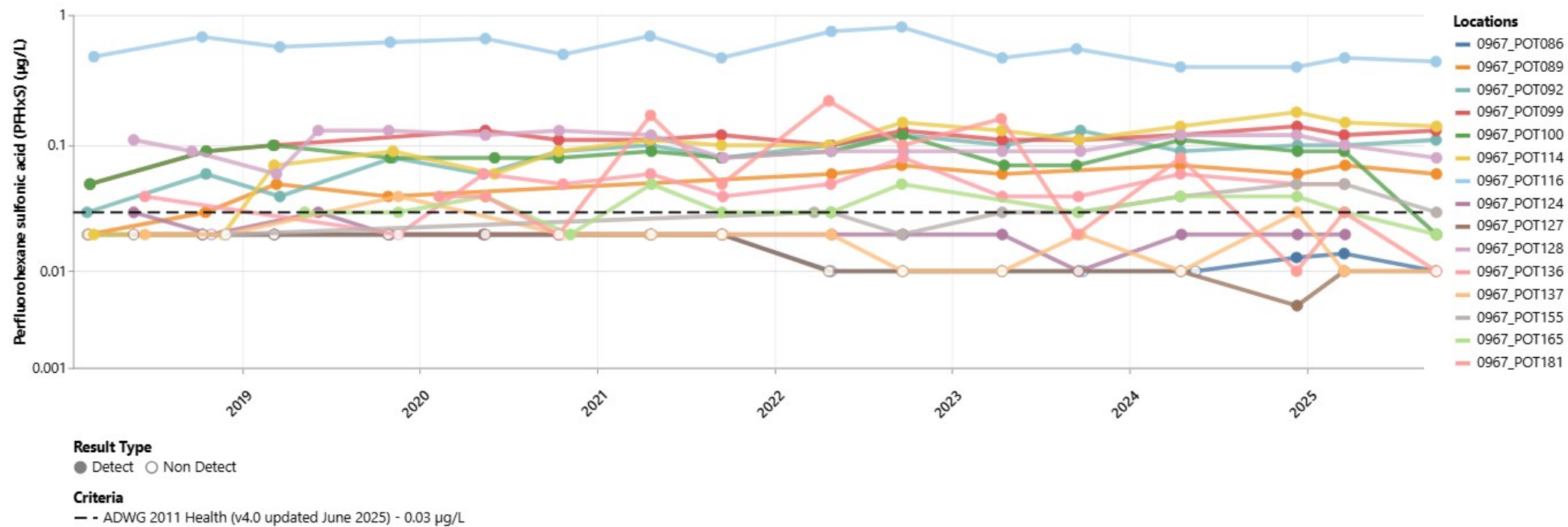
Tabulated p-value: 0.1010

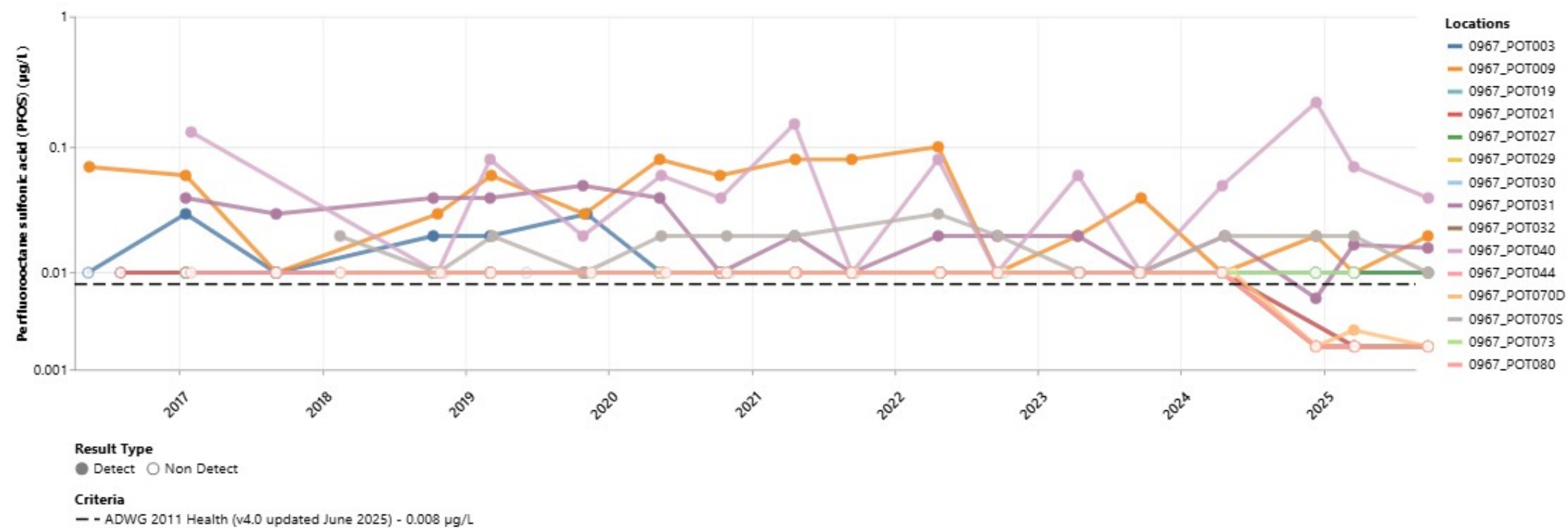
Approx p-value: 0.0991

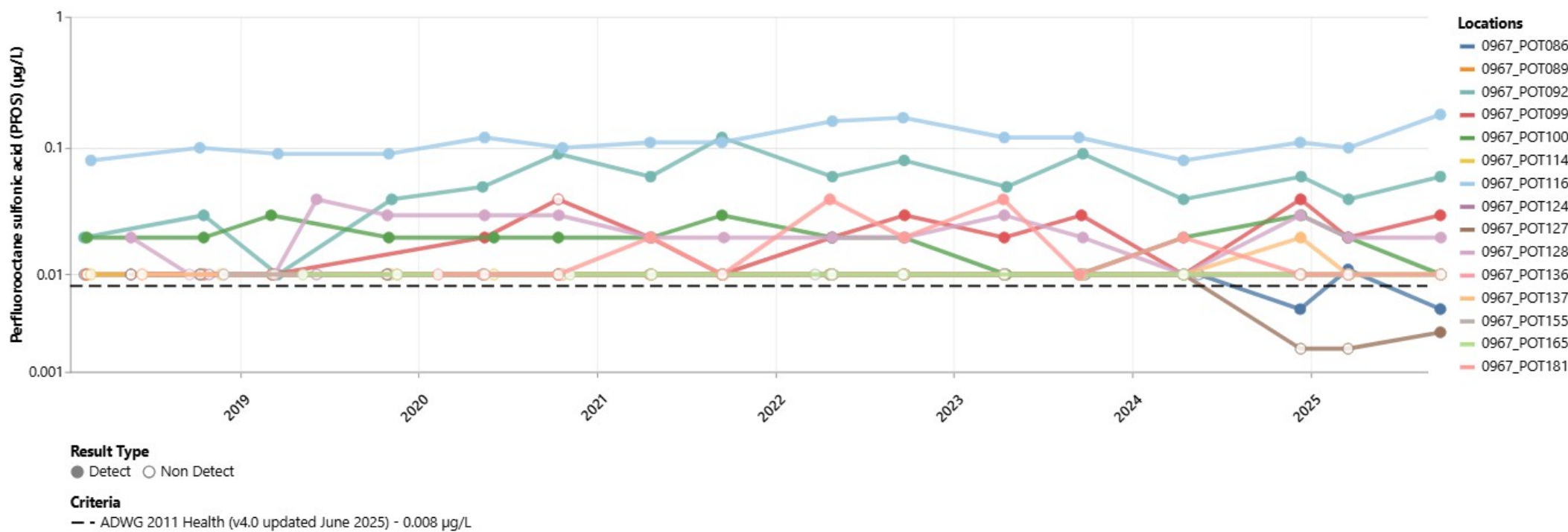


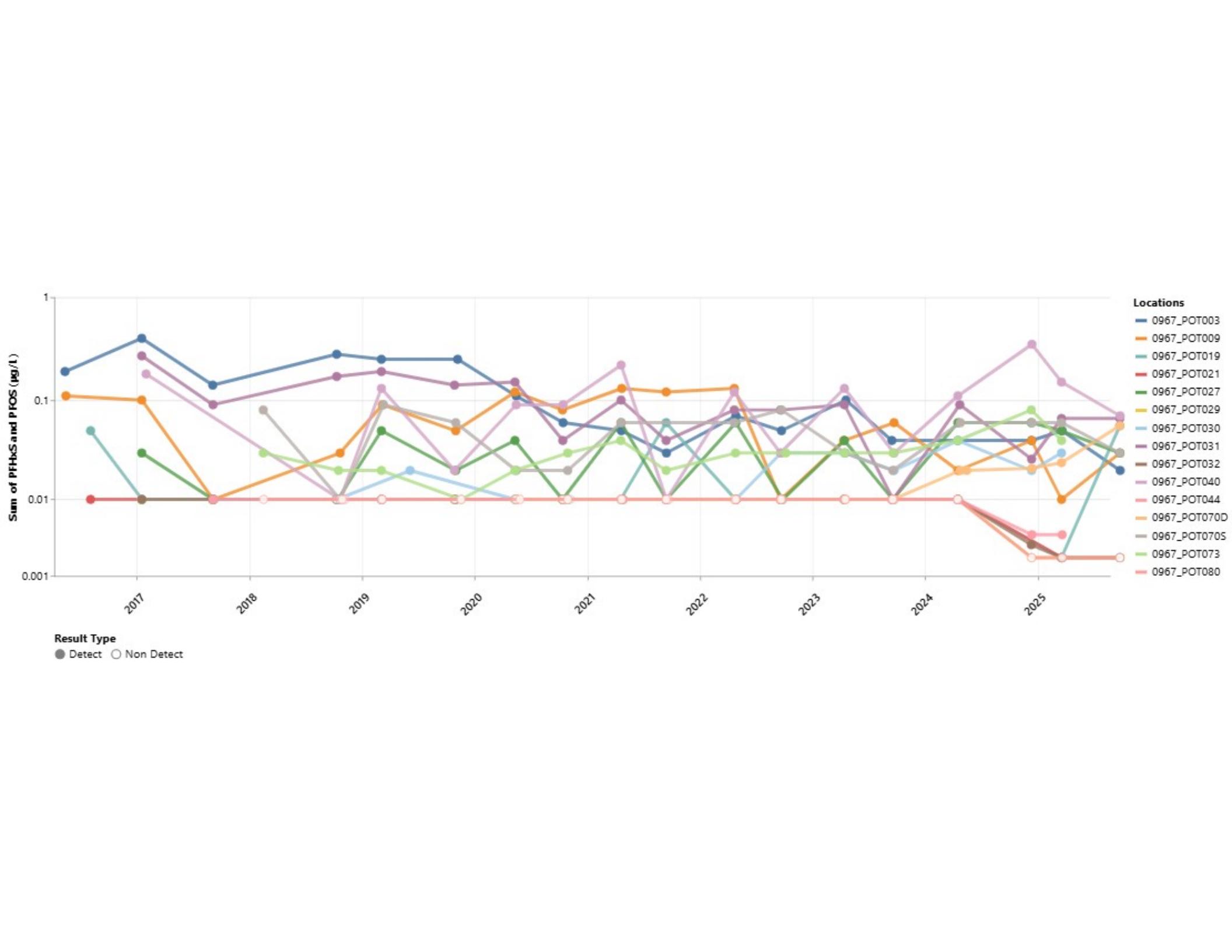
Private bores

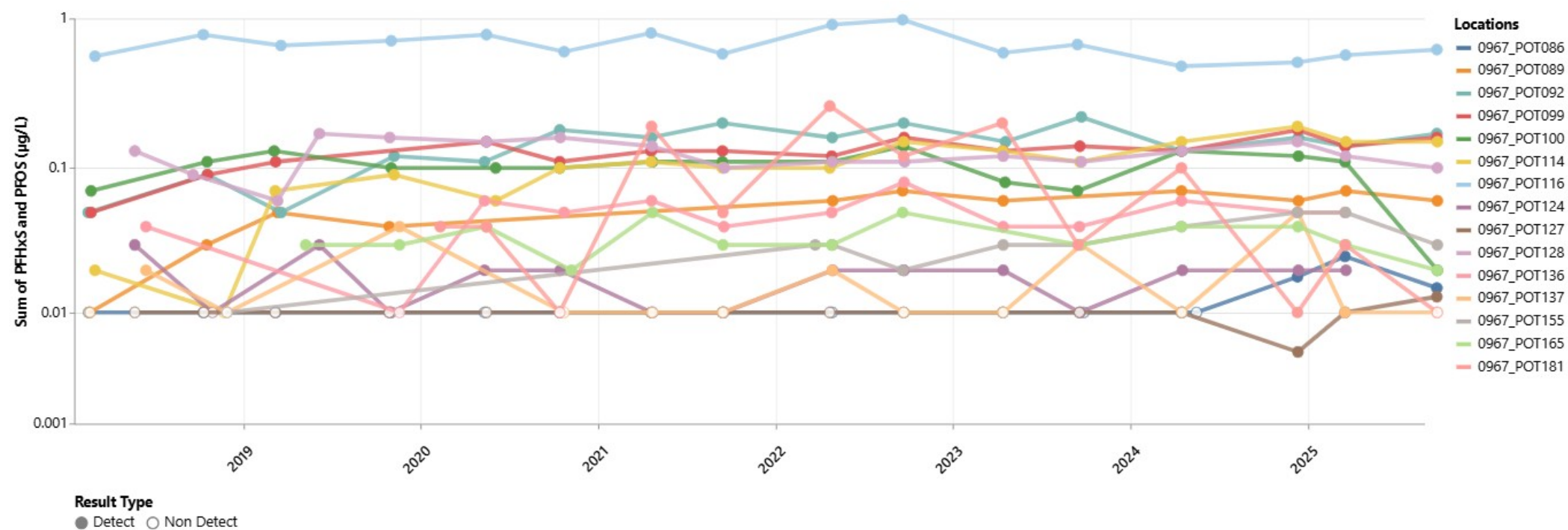




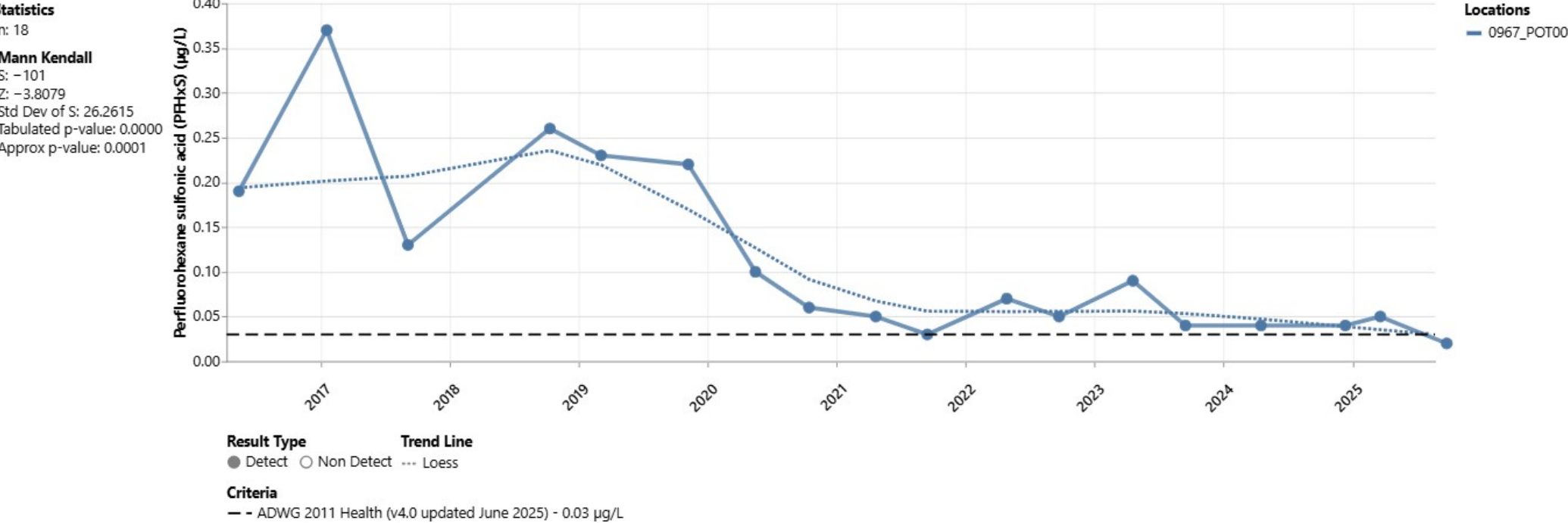








Statistics
n: 18
Mann Kendall
S: -101
Z: -3.8079
Std Dev of S: 26.2615
Tabulated p-value: 0.0000
Approx p-value: 0.0001



Statistics

n: 17

Mann Kendall

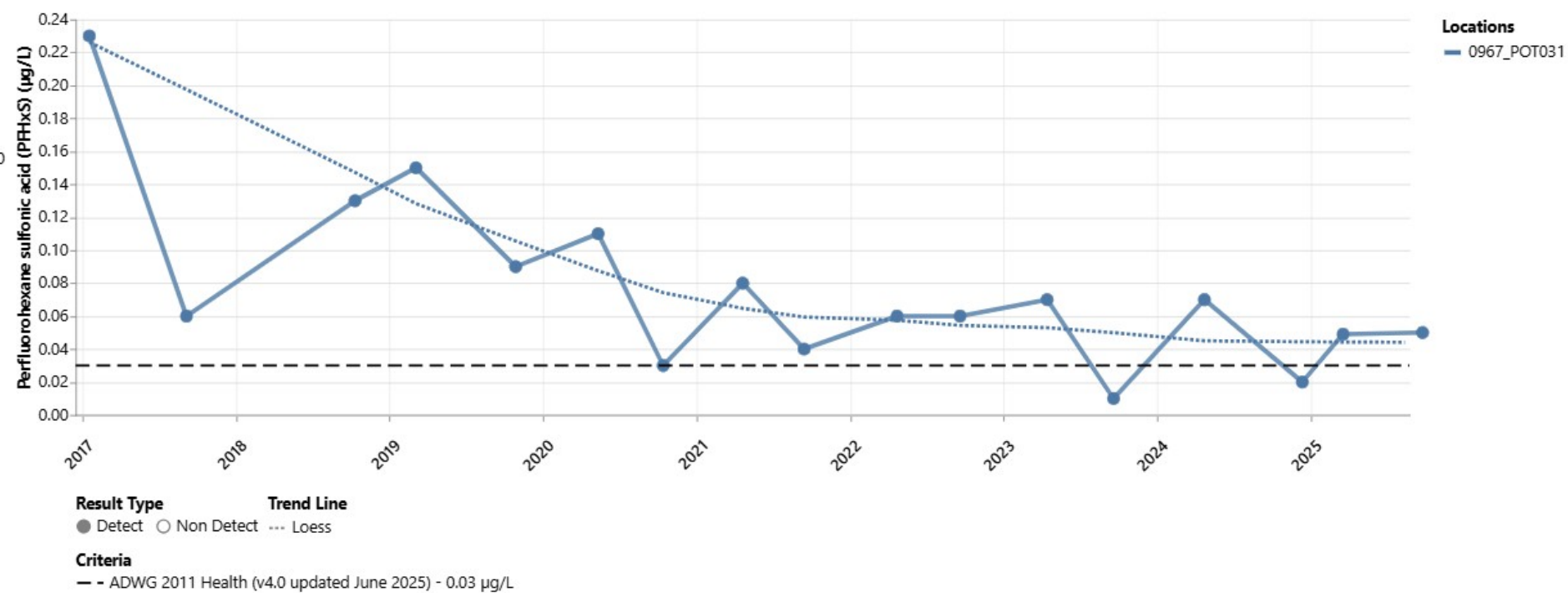
S: -64

Z: -2.6055

Std Dev of S: 24.1799

Tabulated p-value: 0.0040

Approx p-value: 0.0046



Statistics

n: 15

Mann Kendall

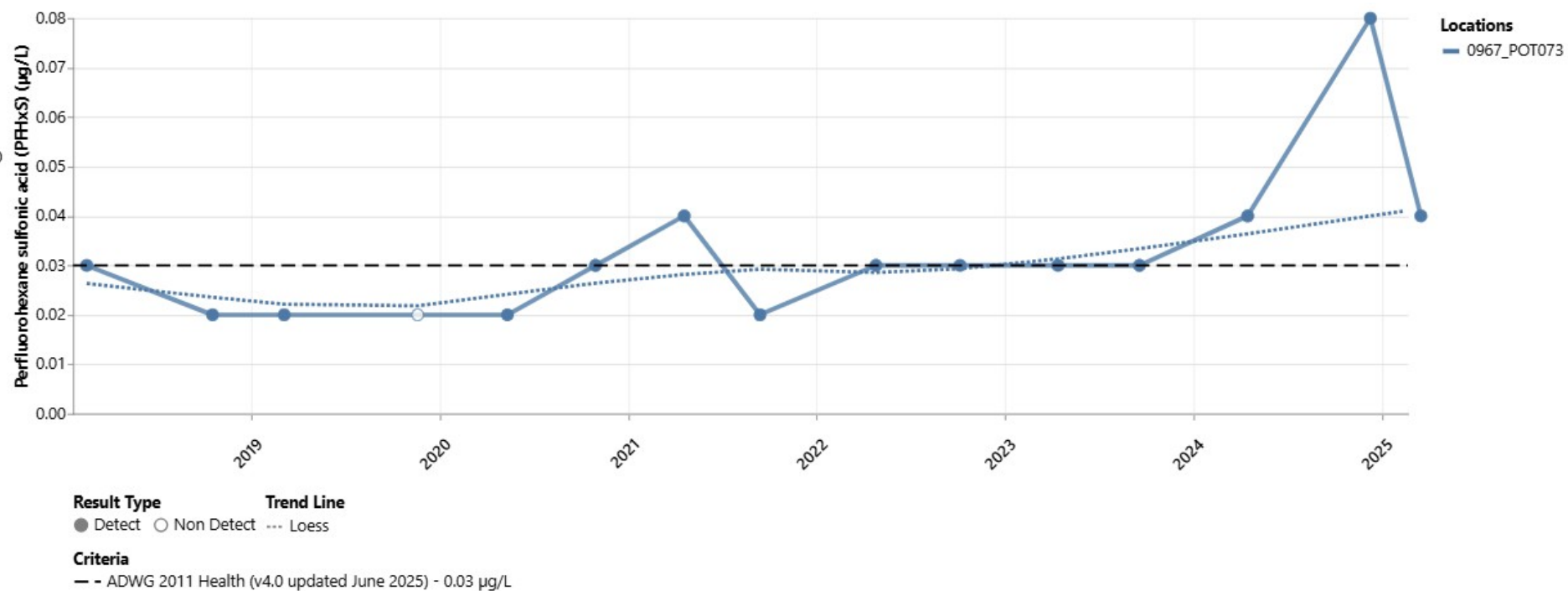
S: 53

Z: 2.7419

Std Dev of S: 18.9649

Tabulated p-value: 0.0040

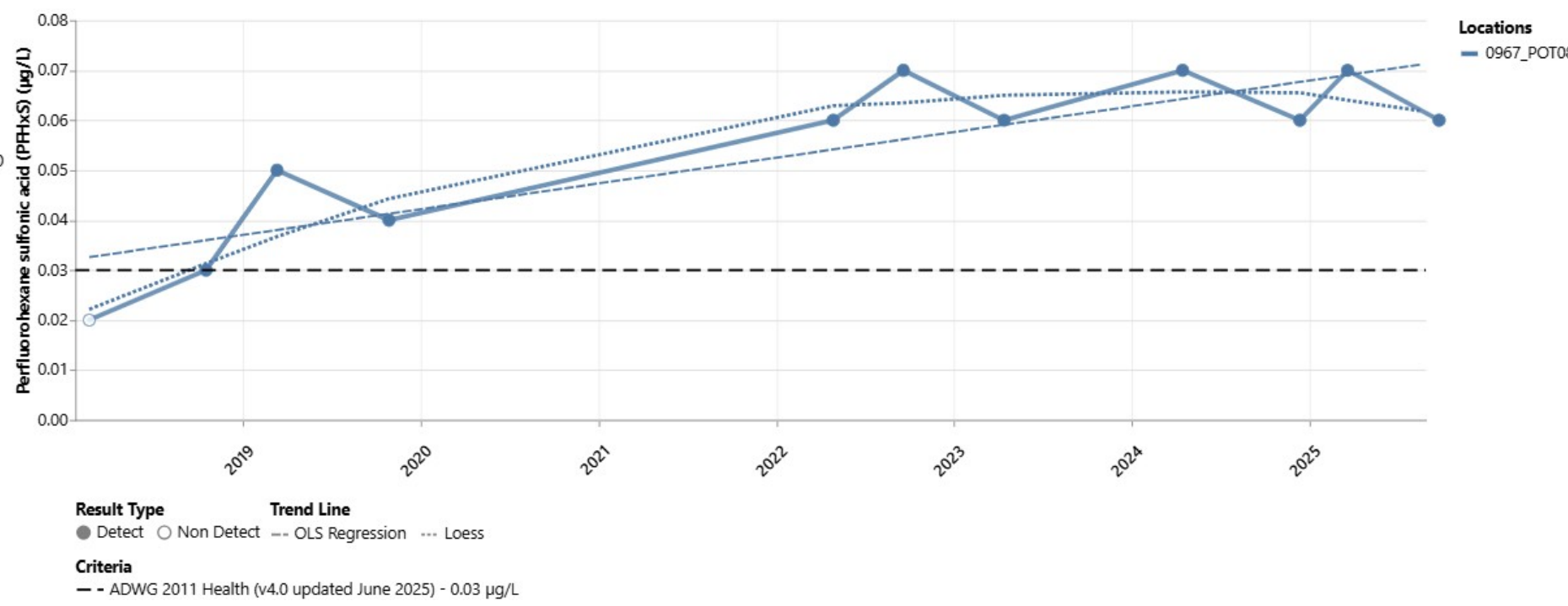
Approx p-value: 0.0031



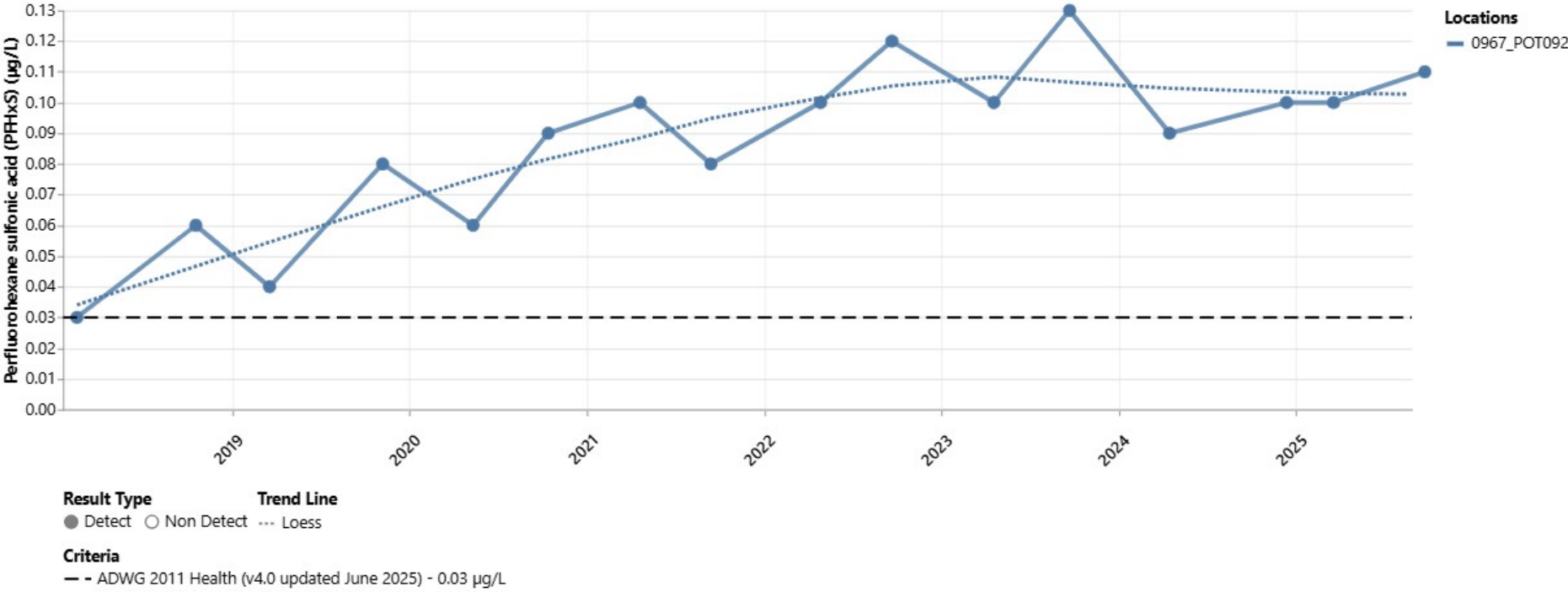
Statistics
n: 11

Mann Kendall
S: 32
Z: 2.5089
Std Dev of S: 12.3558
Tabulated p-value: 0.0050
Approx p-value: 0.0061

OLS Regression
R-squared: 0.7216
R: 0.8495
OLS Slope: 0.0000
OLS Intercept: 0.0326
Scale Estimate: 0.0094
P-value (Reg): 0.0009



Statistics
n: 16
Mann Kendall
S: 75
Z: 3.4001
Std Dev of S: 21.7639
Tabulated p-value: 0.0000
Approx p-value: 0.0003



Statistics

n: 15

Mann Kendall

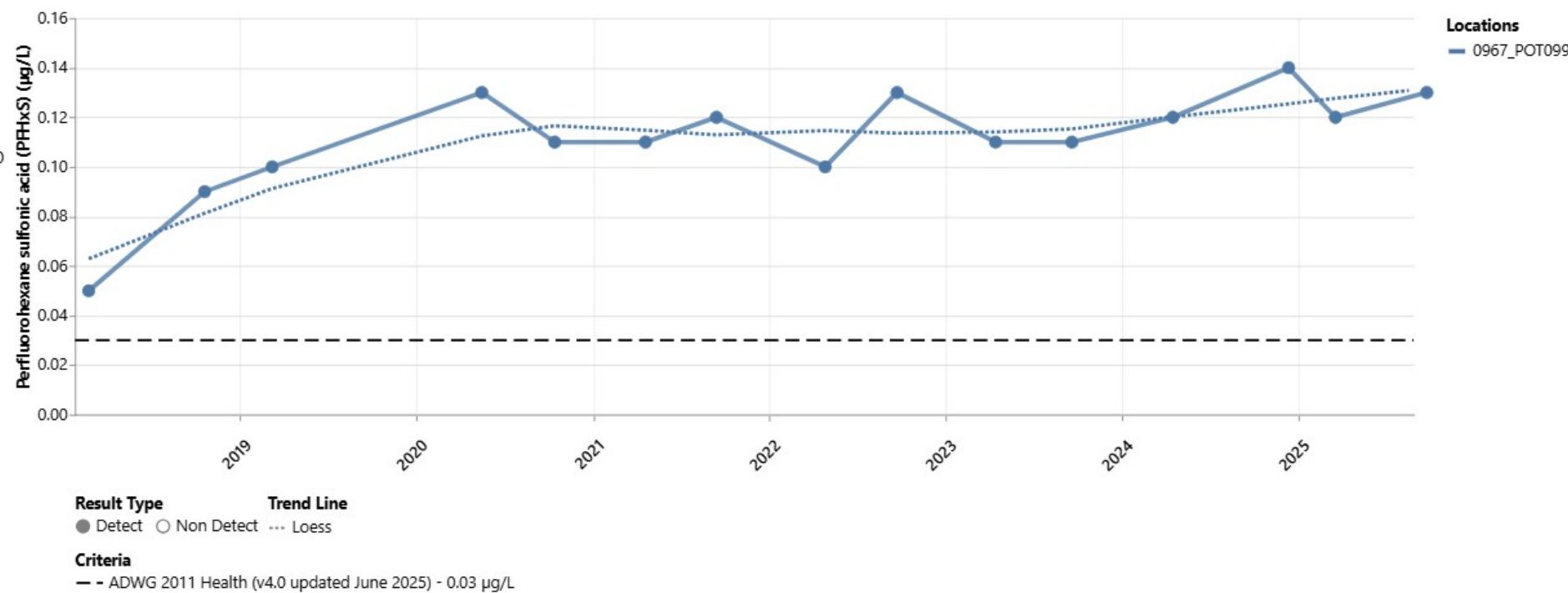
S: 54

Z: 2.6792

Std Dev of S: 19.7821

Tabulated p-value: 0.0030

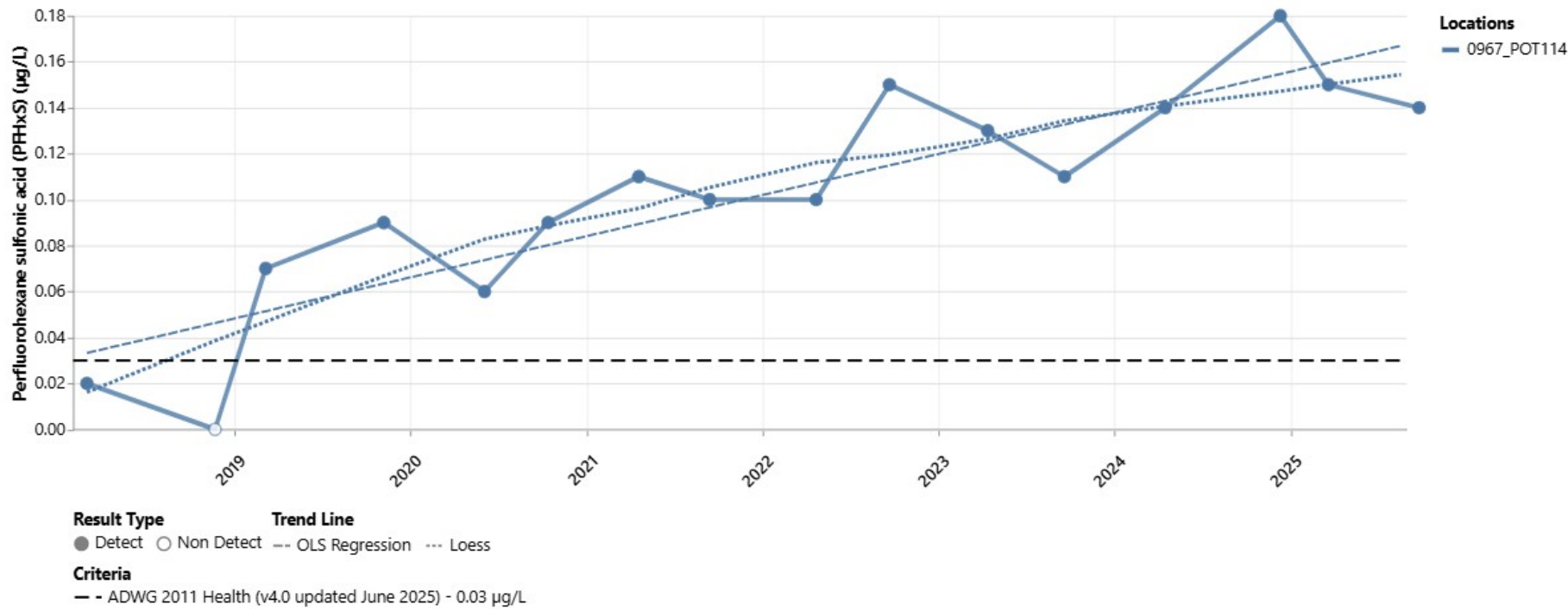
Approx p-value: 0.0037



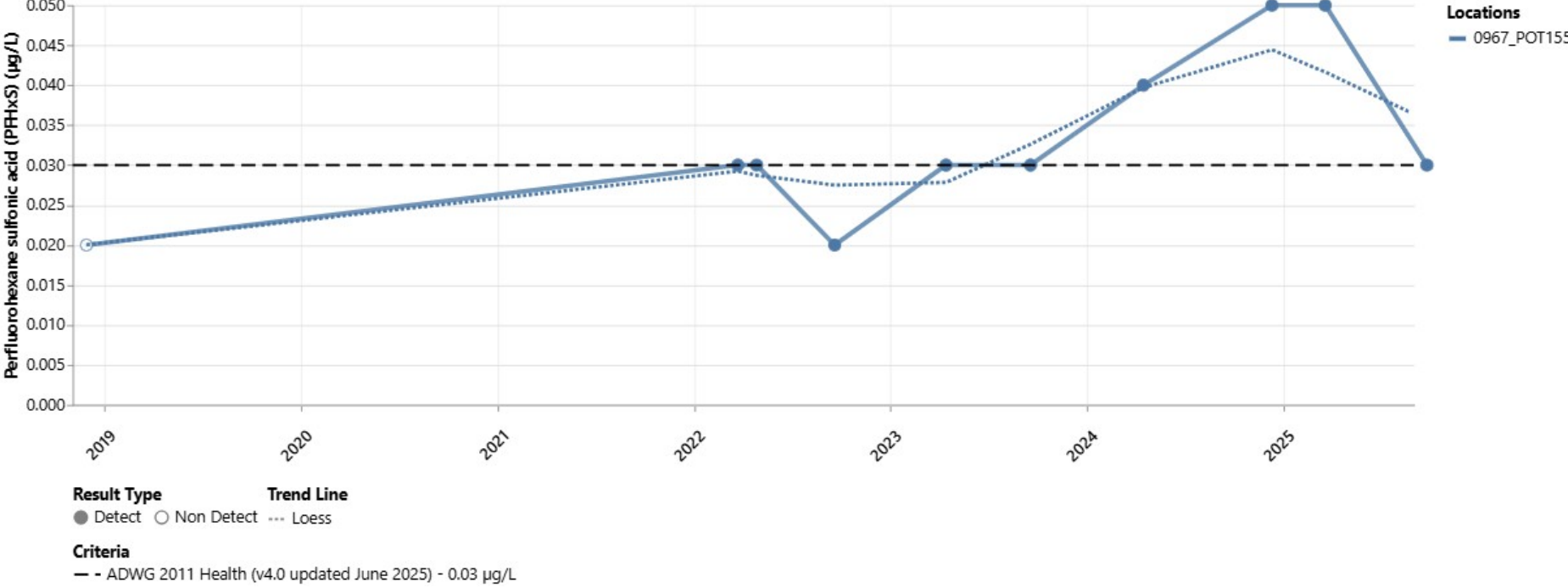
Statistics
n: 16

Mann Kendall
S: 89
Z: 3.9822
Std Dev of S: 22.0983
Tabulated p-value: 0.0000
Approx p-value: 0.0000

OLS Regression
R-squared: 0.7842
R: 0.8856
OLS Slope: 0.0000
OLS Intercept: 0.0332
Scale Estimate: 0.0231
P-value (Reg): 0.0000



Statistics
n: 10
Mann Kendall
S: 23
Z: 2.1335
Std Dev of S: 10.3118
Tabulated p-value: 0.0230
Approx p-value: 0.0164



Statistics

n: 17

Mann Kendall

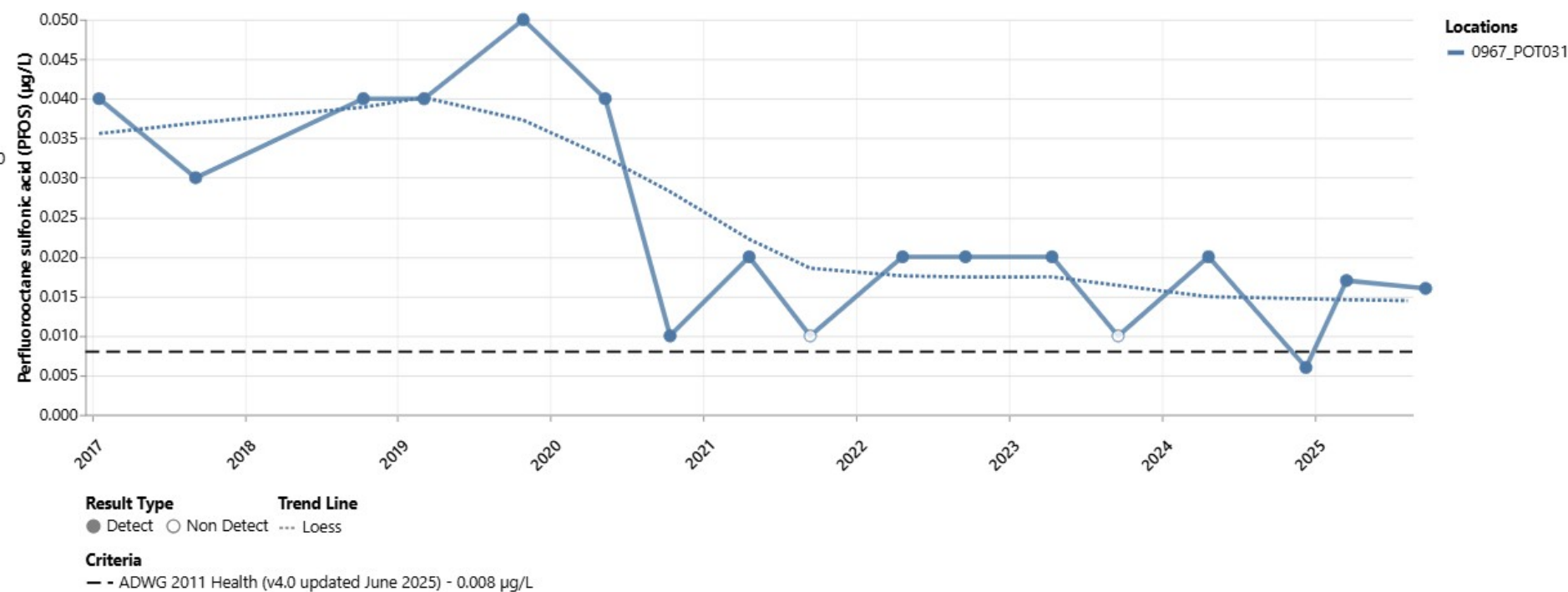
S: -67

Z: -2.7882

Std Dev of S: 23.6714

Tabulated p-value: 0.0020

Approx p-value: 0.0027



Statistics

n: 18

Mann Kendall

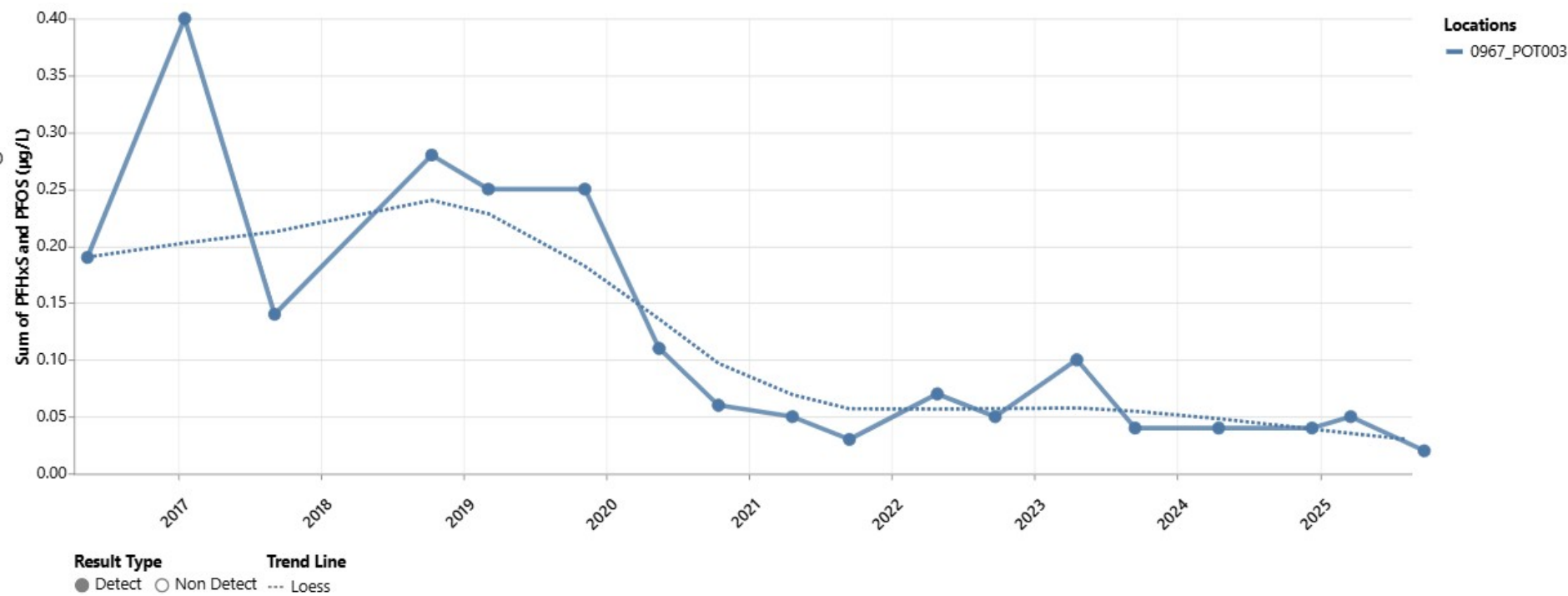
S: -100

Z: -3.7725

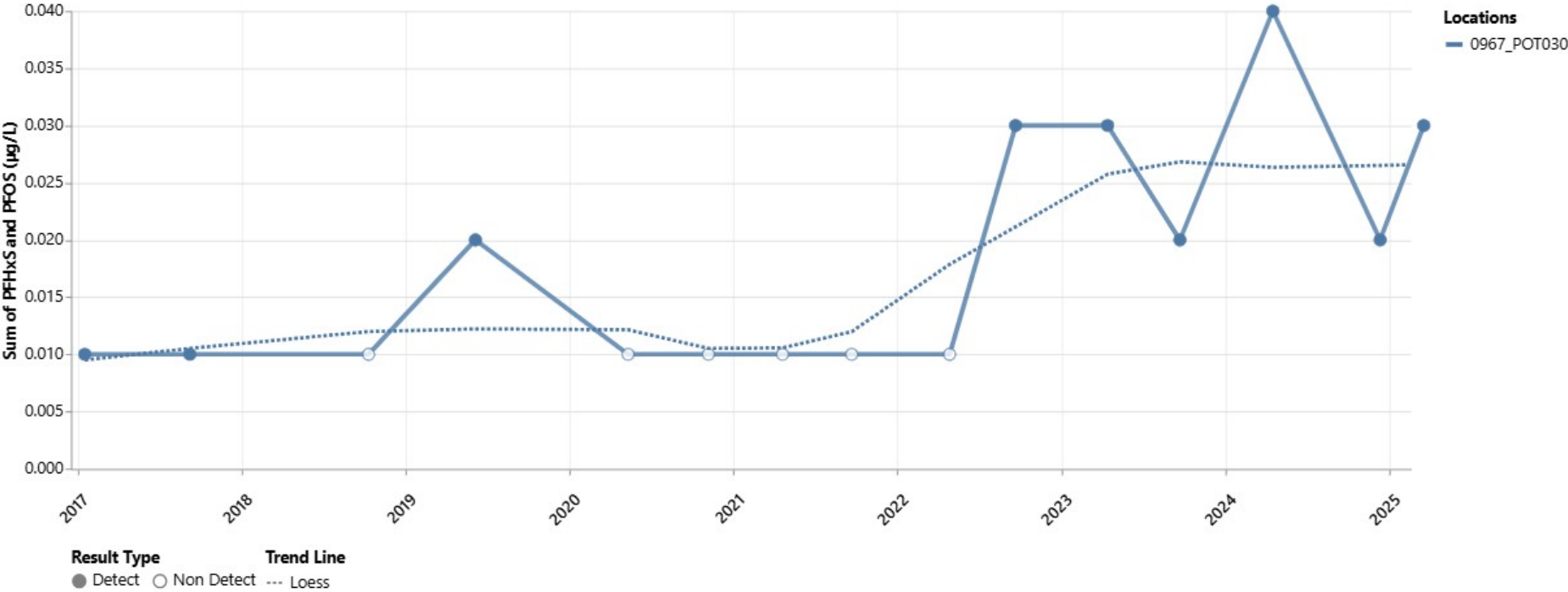
Std Dev of S: 26.2425

Tabulated p-value: 0.0000

Approx p-value: 0.0001



Statistics
n: 15
Mann Kendall
S: 49
Z: 2.6199
Std Dev of S: 18.3212
Tabulated p-value: 0.0080
Approx p-value: 0.0044



Statistics

n: 17

Mann Kendall

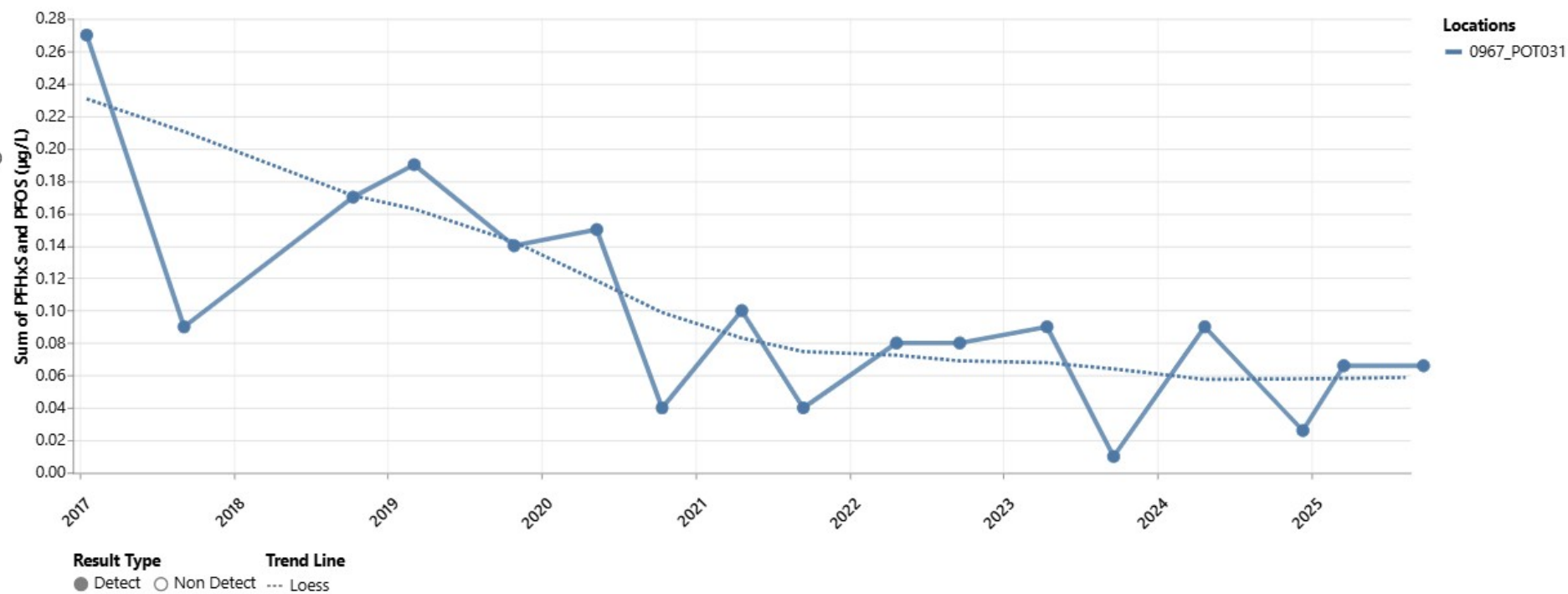
S: -70

Z: -2.8585

Std Dev of S: 24.1385

Tabulated p-value: 0.0020

Approx p-value: 0.0021



Statistics

n: 13

Mann Kendall

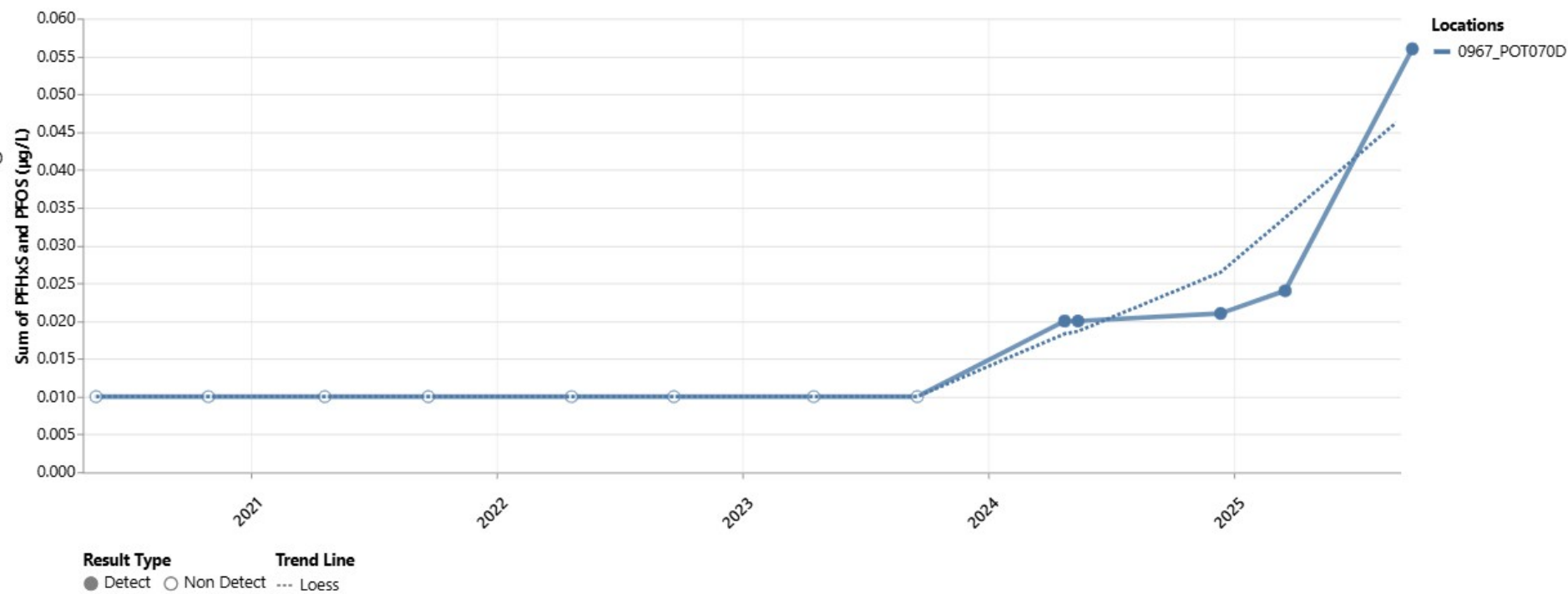
S: 49

Z: 3.3745

Std Dev of S: 14.2244

Tabulated p-value: 0.0010

Approx p-value: 0.0004



Statistics

n: 15

Mann Kendall

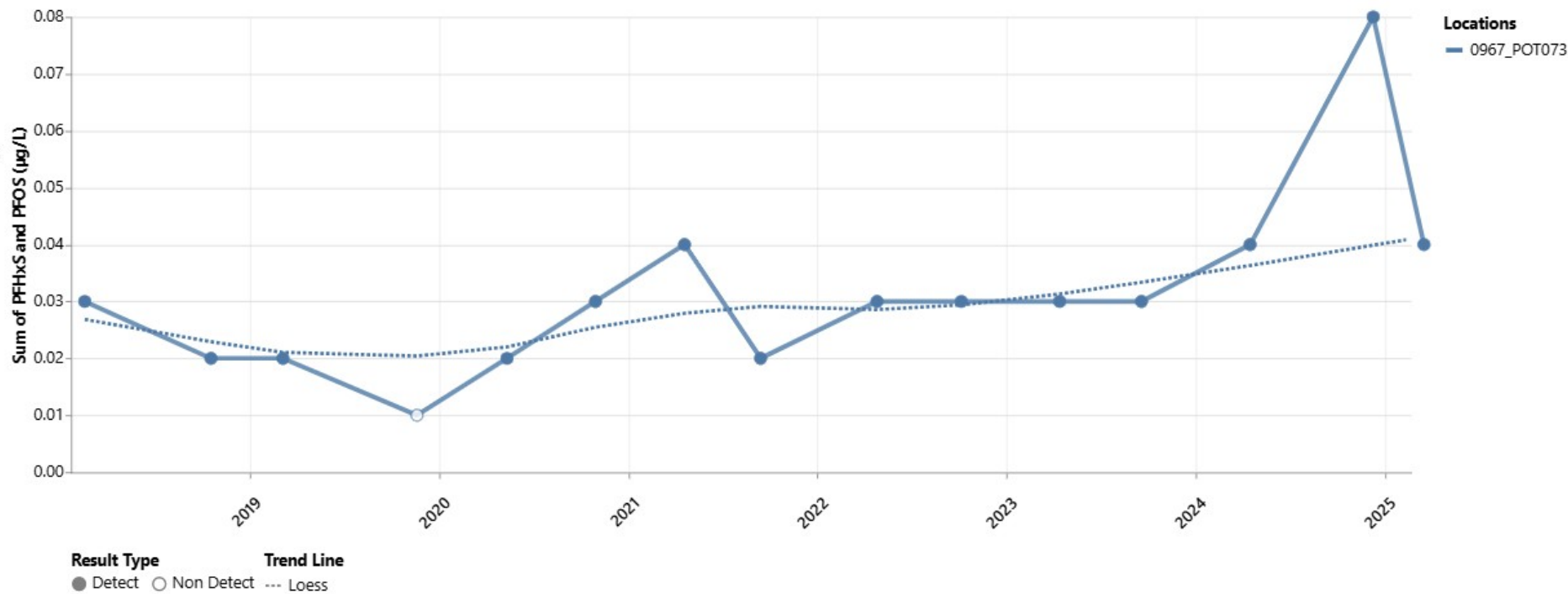
S: 53

Z: 2.7119

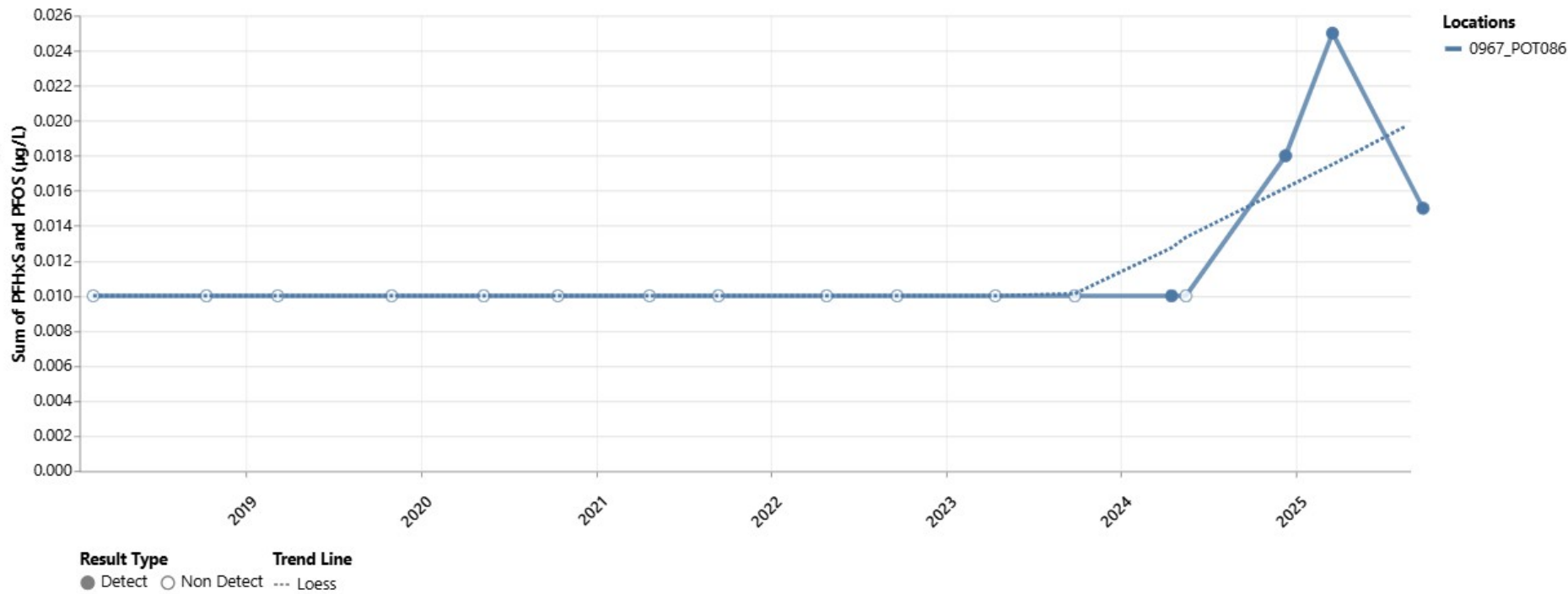
Std Dev of S: 19.1746

Tabulated p-value: 0.0040

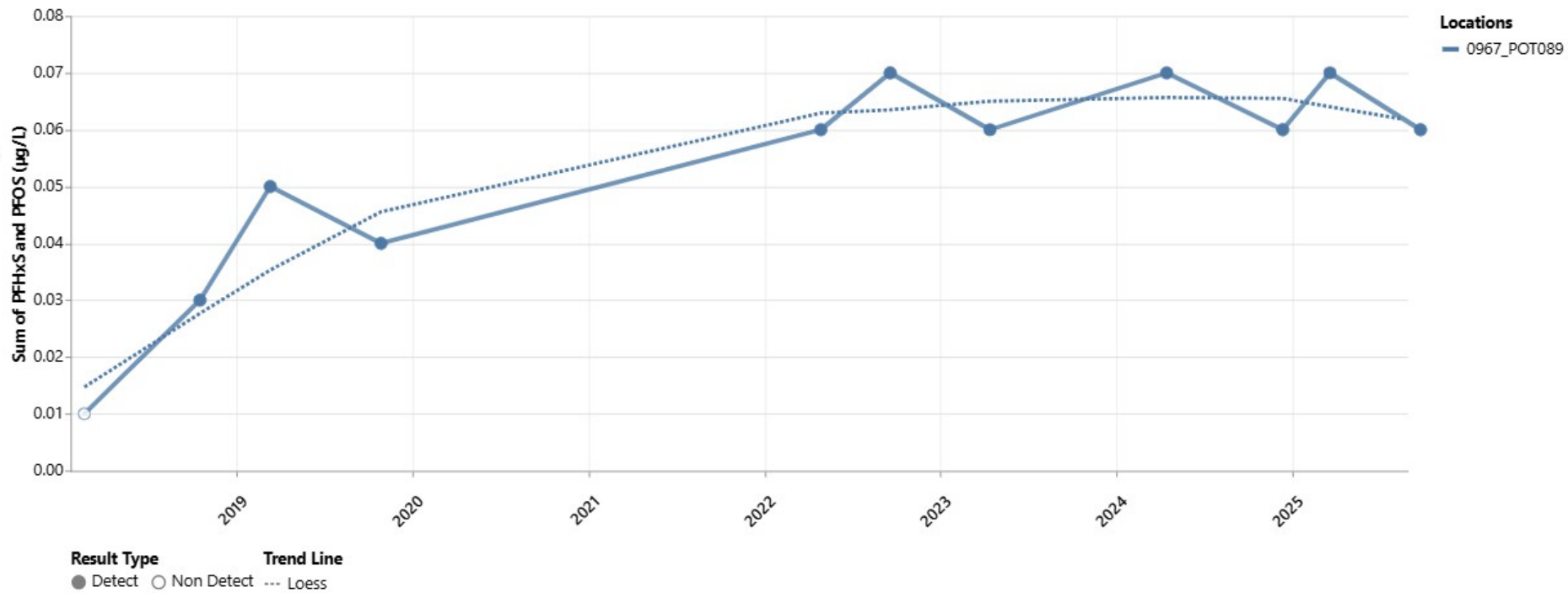
Approx p-value: 0.0033



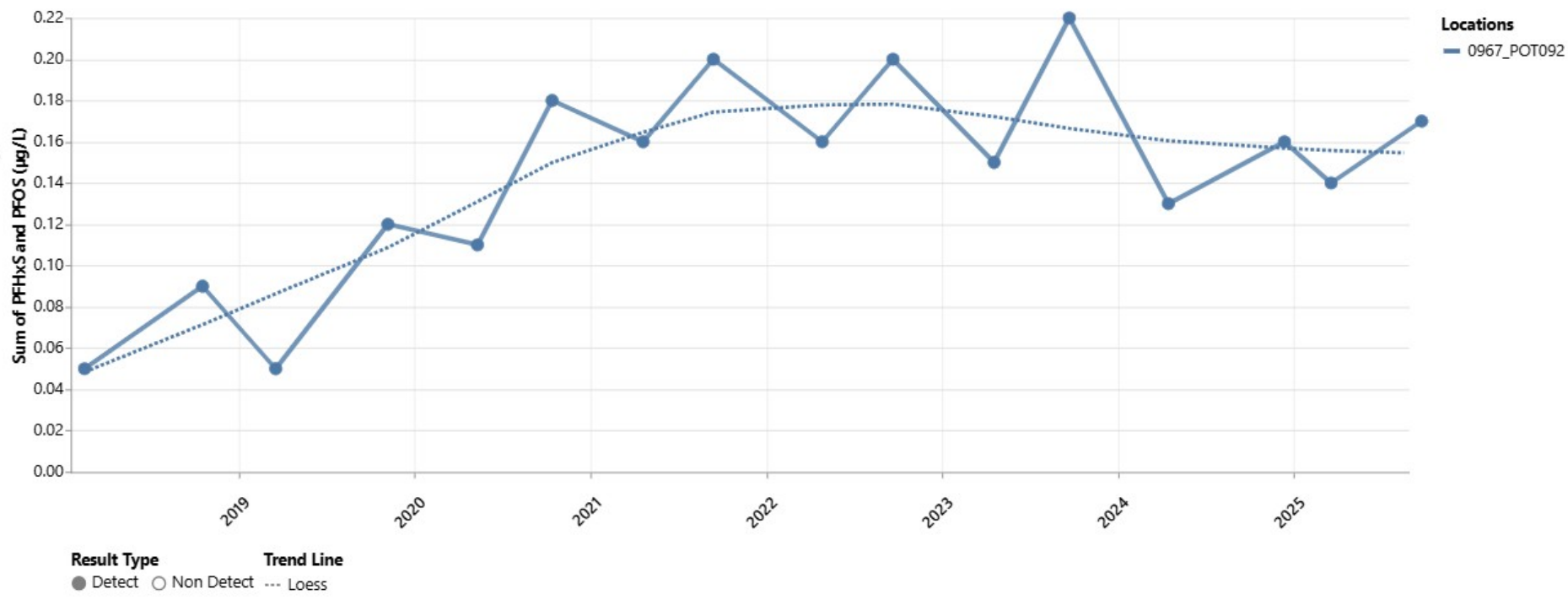
Statistics
n: 17
Mann Kendall
S: 41
Z: 2.5016
Std Dev of S: 15.9896
Tabulated p-value: 0.0460
Approx p-value: 0.0062



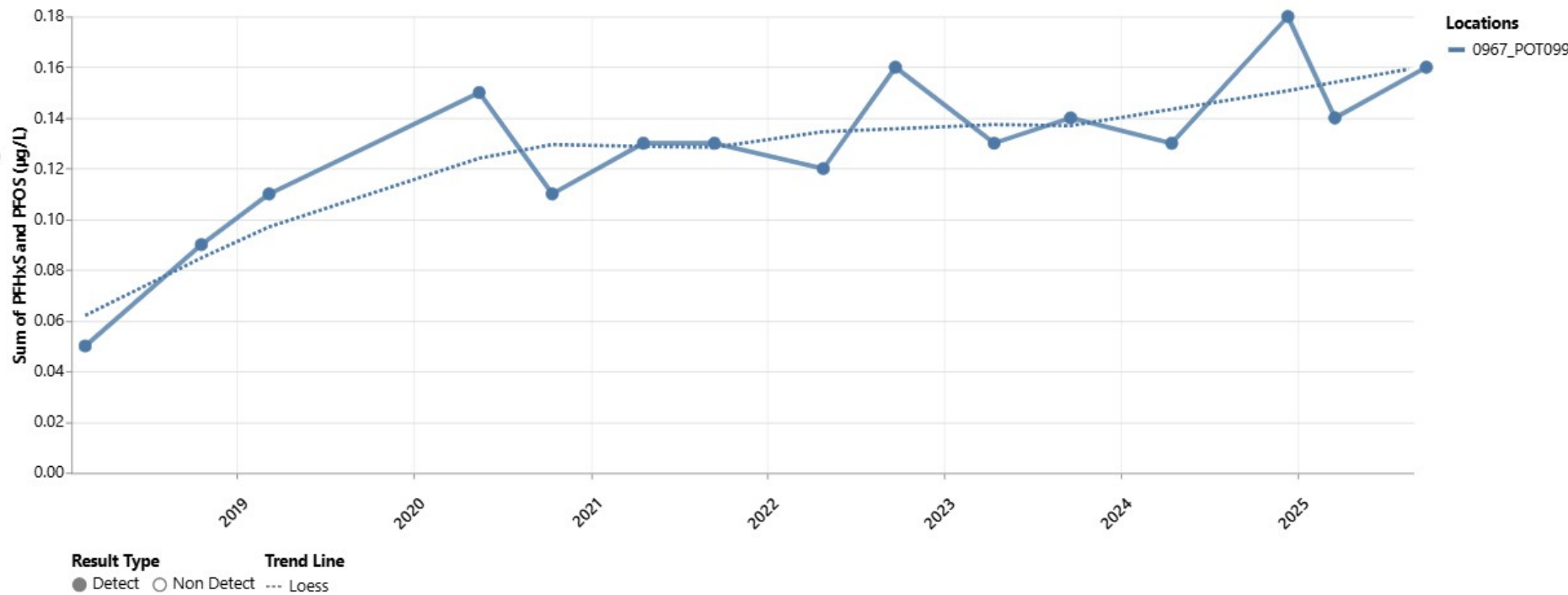
Statistics
n: 11
Mann Kendall
S: 32
Z: 2.5089
Std Dev of S: 12.3558
Tabulated p-value: 0.0050
Approx p-value: 0.0061



Statistics
n: 16
Mann Kendall
S: 49
Z: 2.1736
Std Dev of S: 22.0832
Tabulated p-value: 0.0130
Approx p-value: 0.0149



Statistics
n: 15
Mann Kendall
S: 62
Z: 3.0628
Std Dev of S: 19.9165
Tabulated p-value: 0.0010
Approx p-value: 0.0011



Statistics

n: 16

Mann Kendall

S: 90

Z: 4.0623

Std Dev of S: 21.9089

Tabulated p-value: 0.0000

Approx p-value: 0.0000

OLS Regression

R-squared: 0.8058

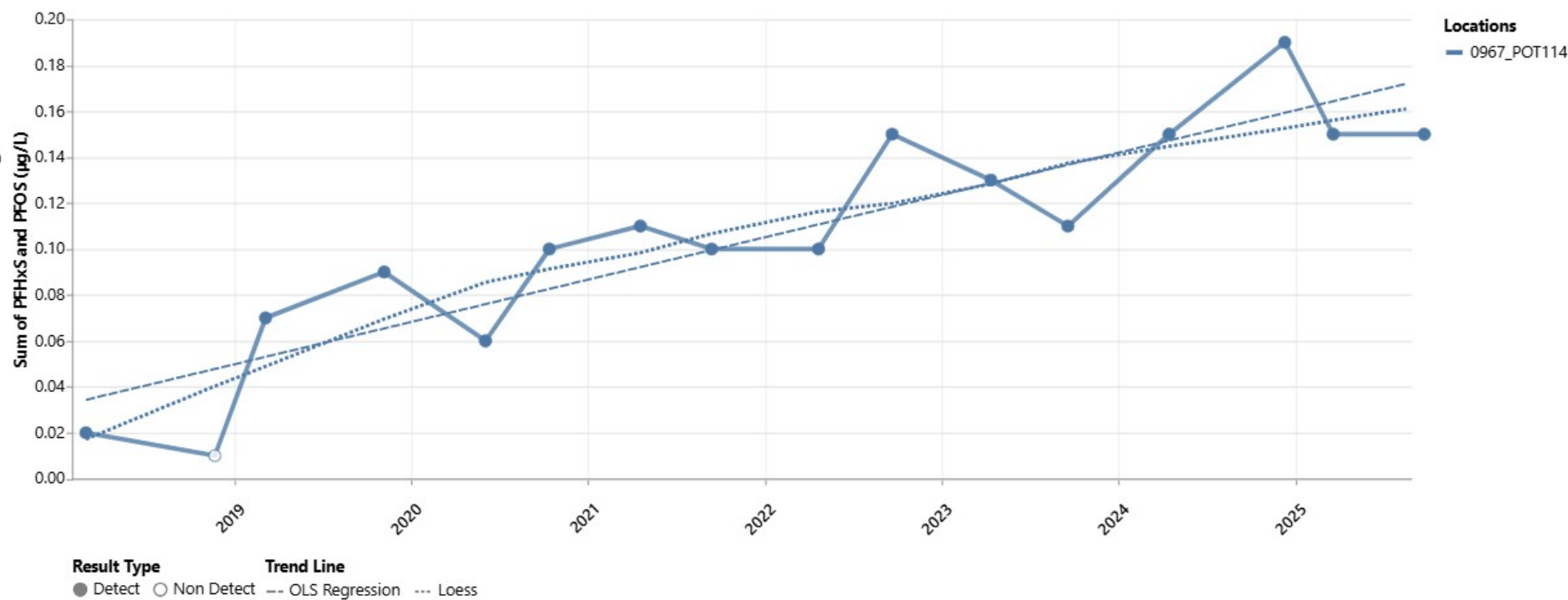
R: 0.8977

OLS Slope: 0.0001

OLS Intercept: 0.0343

Scale Estimate: 0.0223

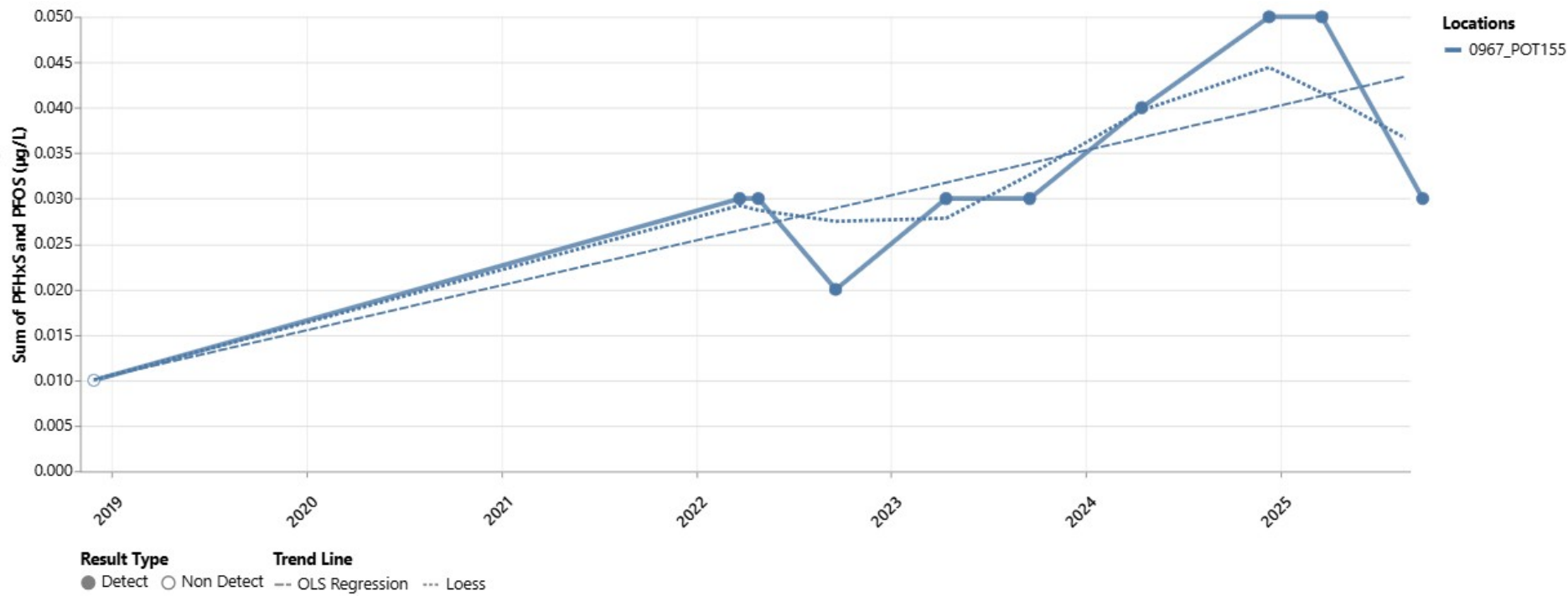
P-value (Reg): 0.0000



Statistics
n: 10

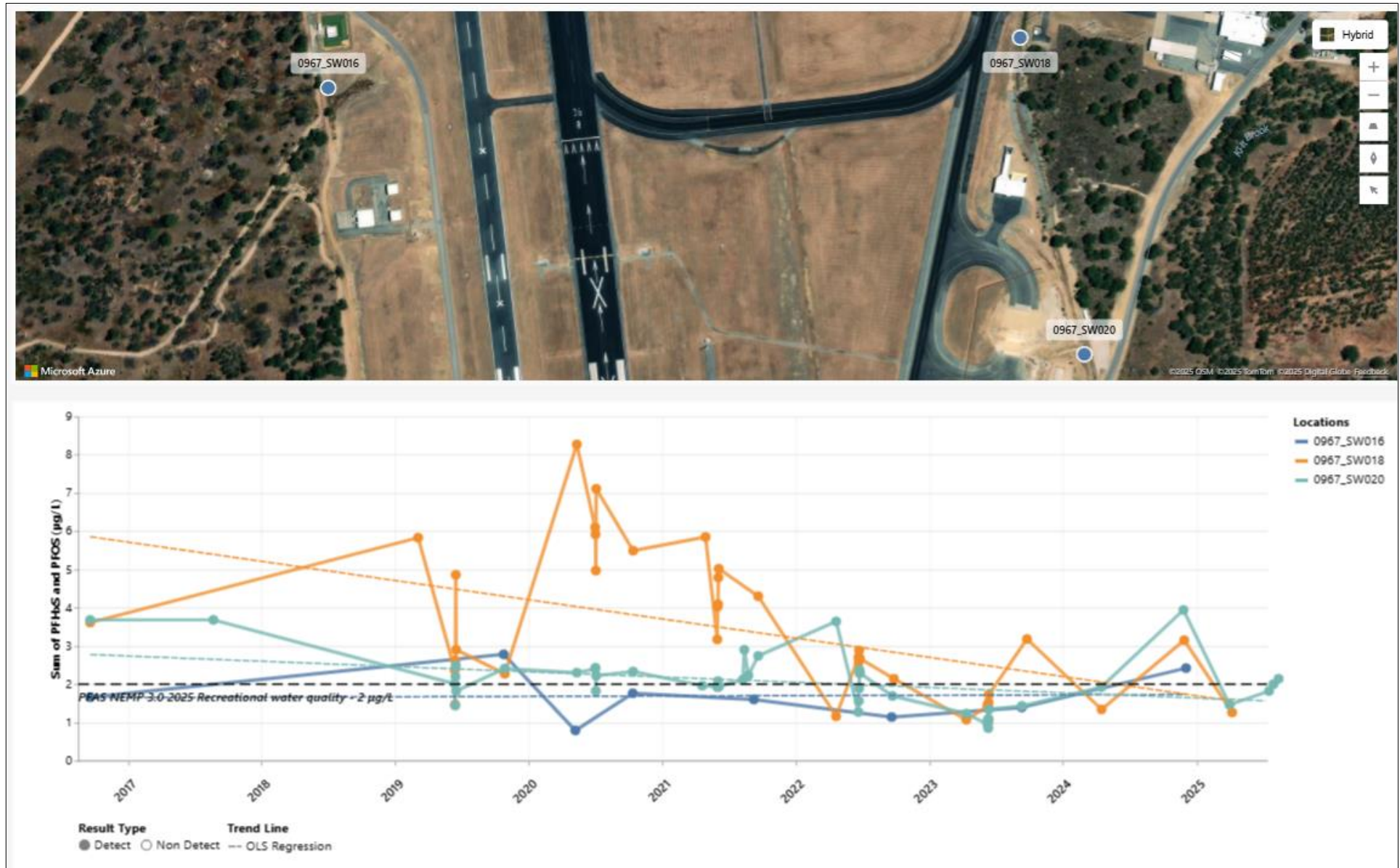
Mann Kendall
S: 24
Z: 2.2200
Std Dev of S: 10.3602
Tabulated p-value: 0.0140
Approx p-value: 0.0132

OLS Regression
R-squared: 0.6332
R: 0.7957
OLS Slope: 0.0000
OLS Intercept: 0.0101
Scale Estimate: 0.0079
P-value (Reg): 0.0059

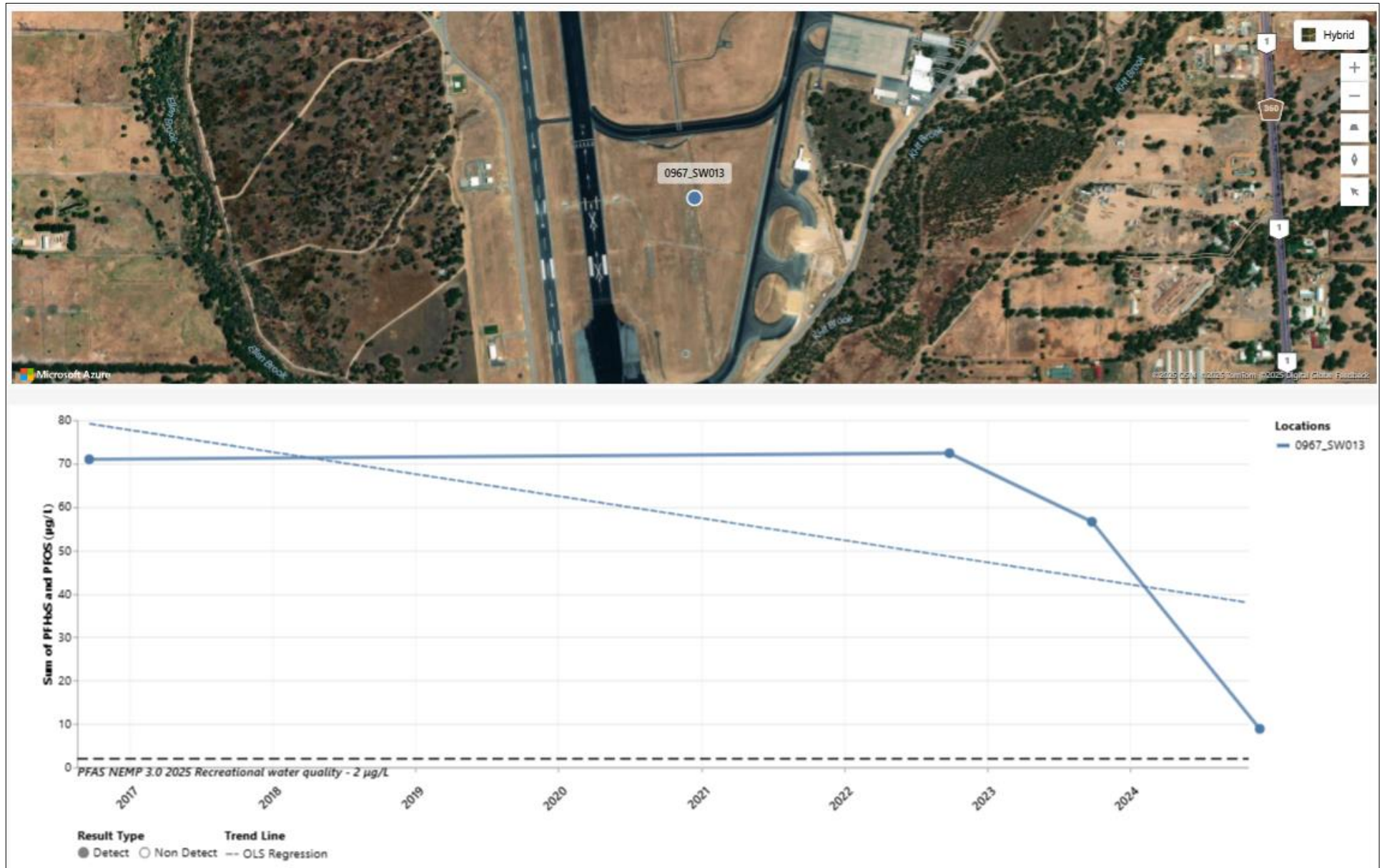


Surface water

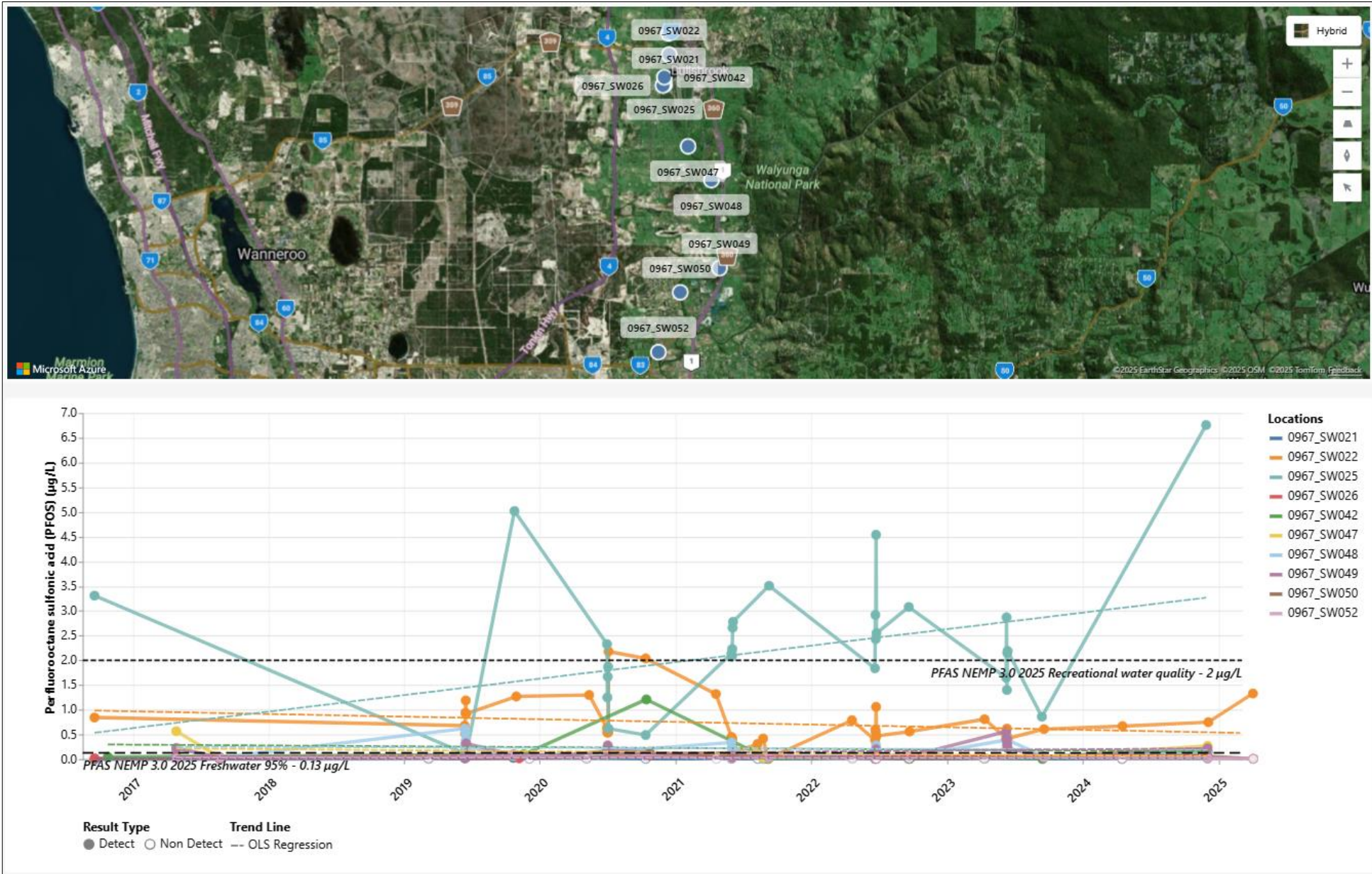
On-site drainage channels



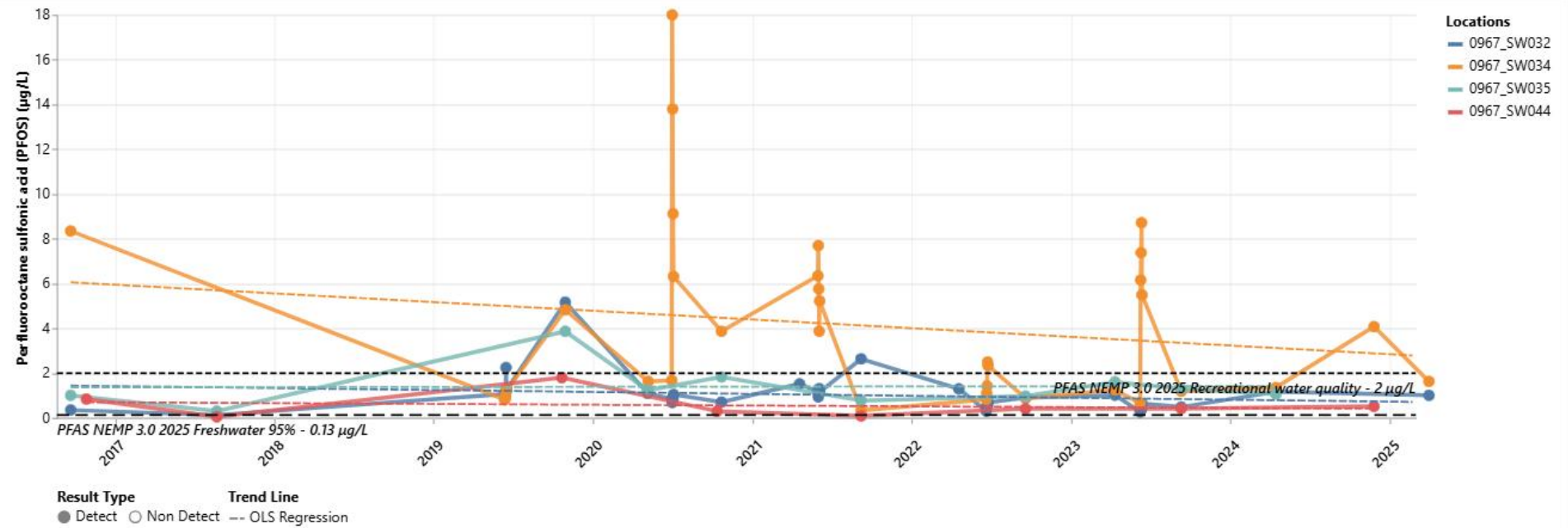
On-site drainage - (SW013)



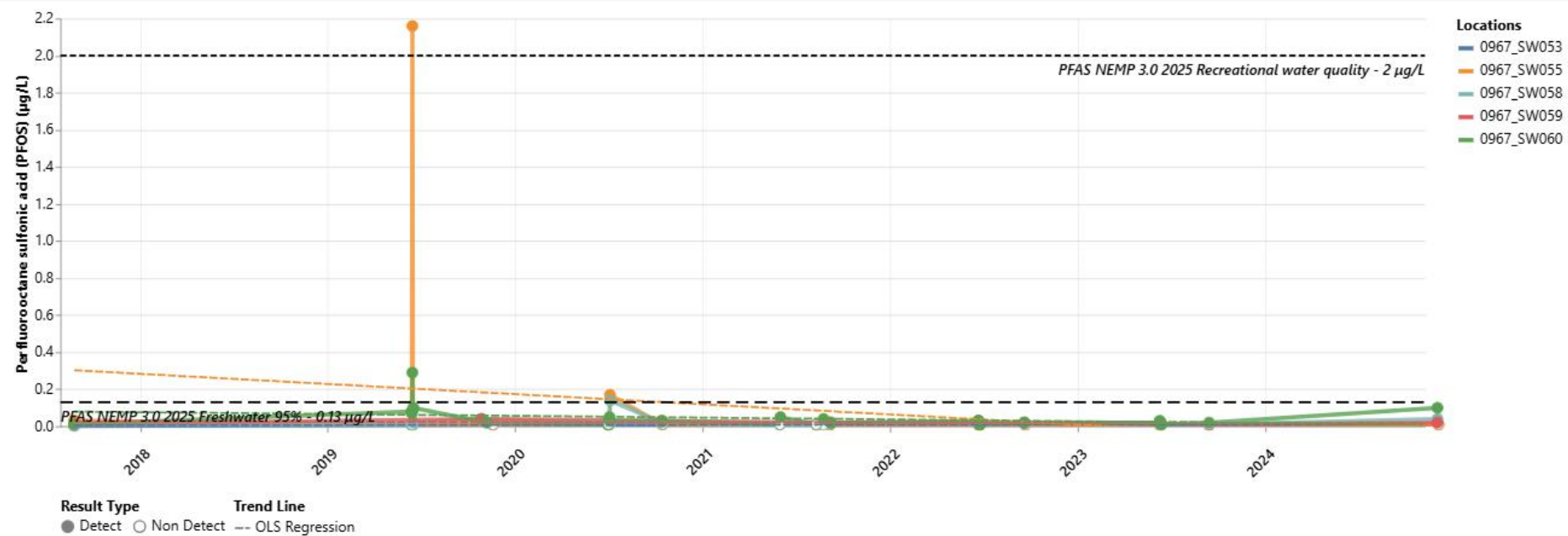
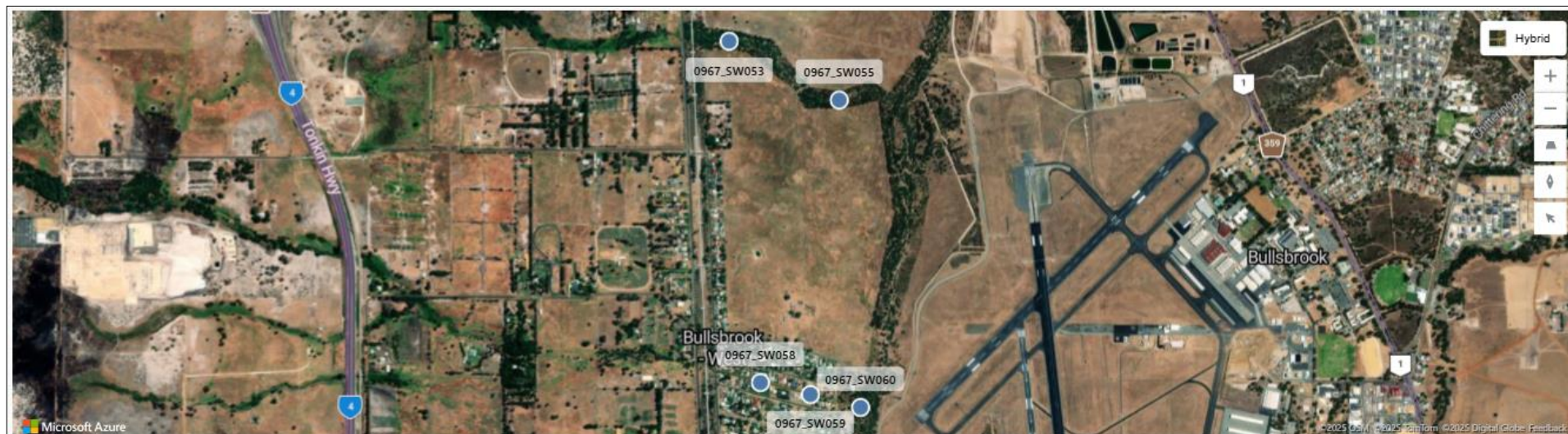
Ellen Brook



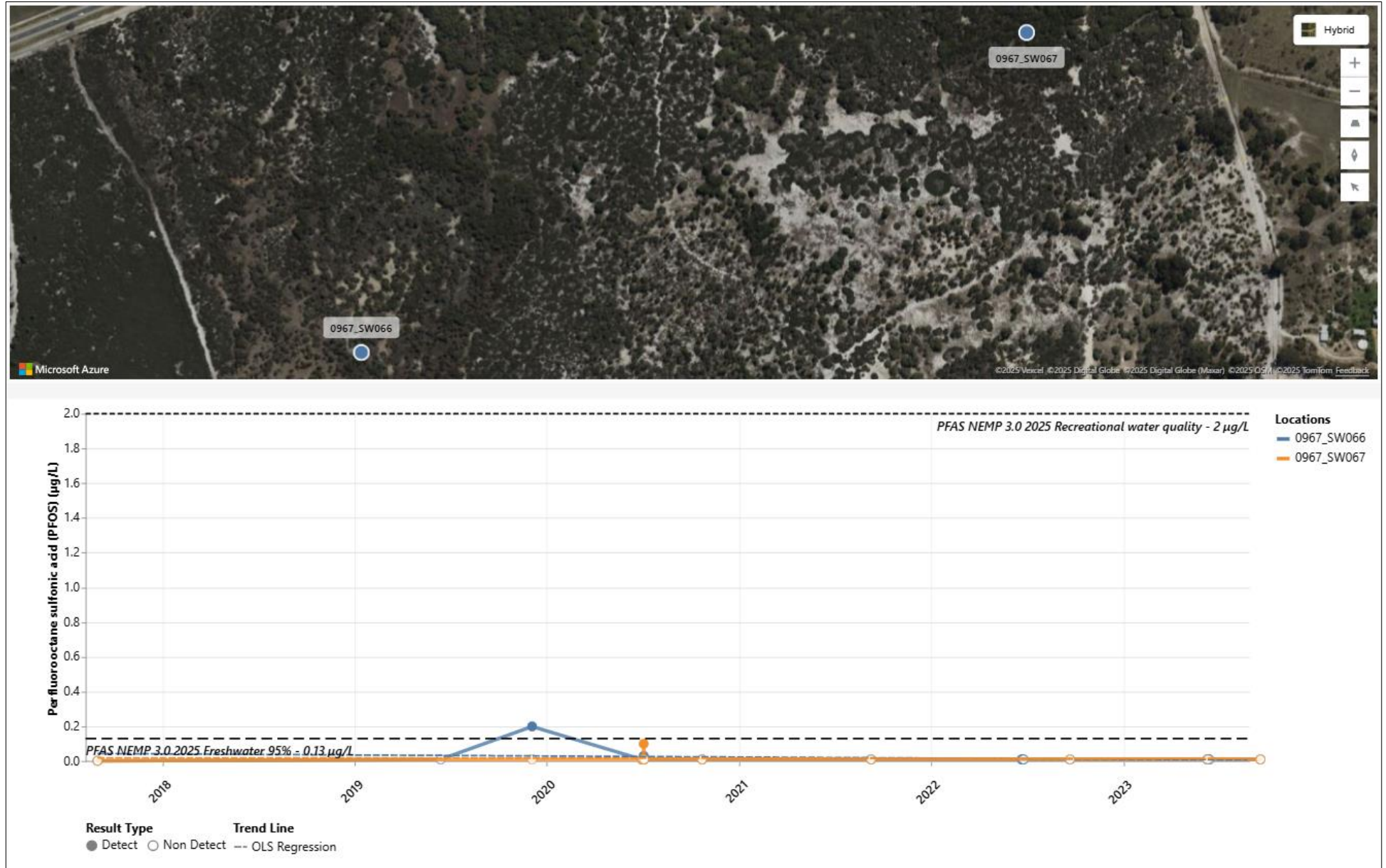
Ki - it Monger Brook

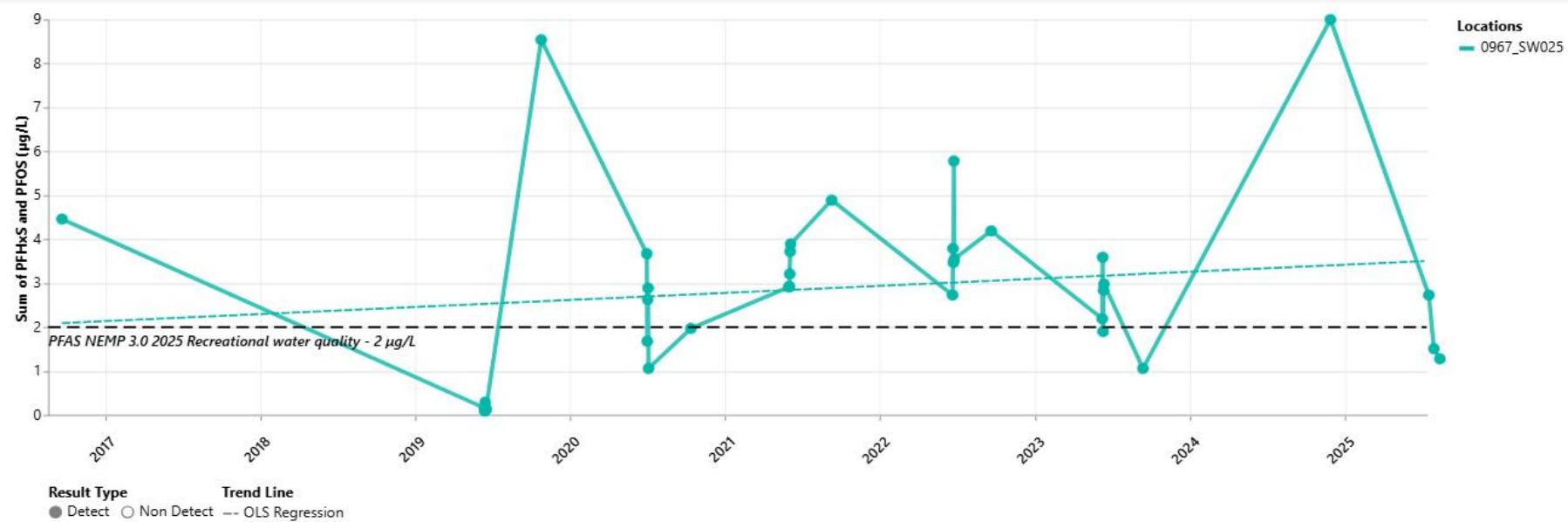


West Bullsbrook



Twin Swamps Nature Reserve

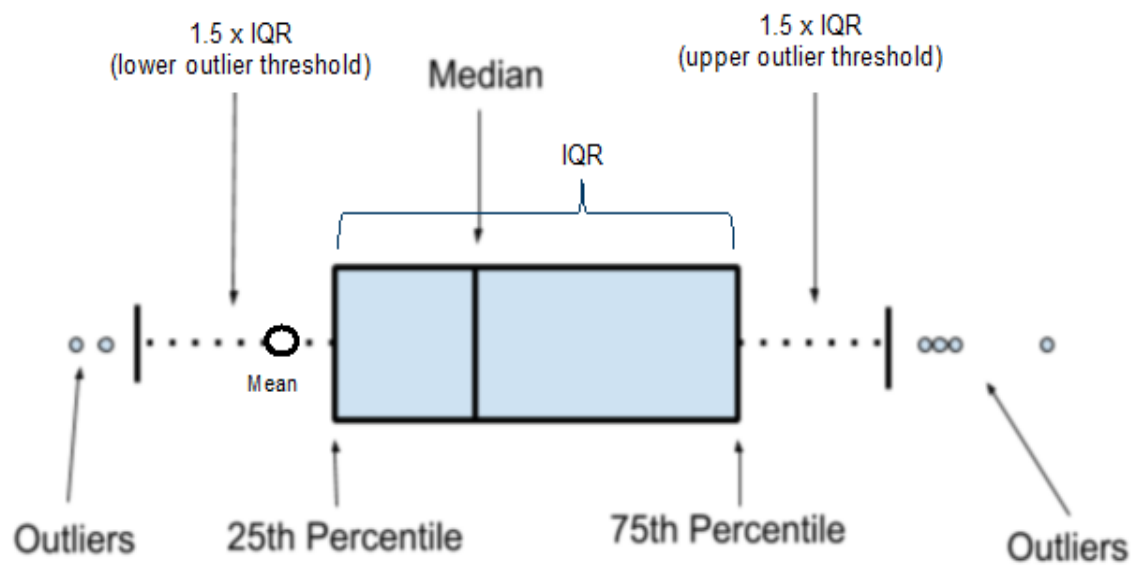




Appendix G

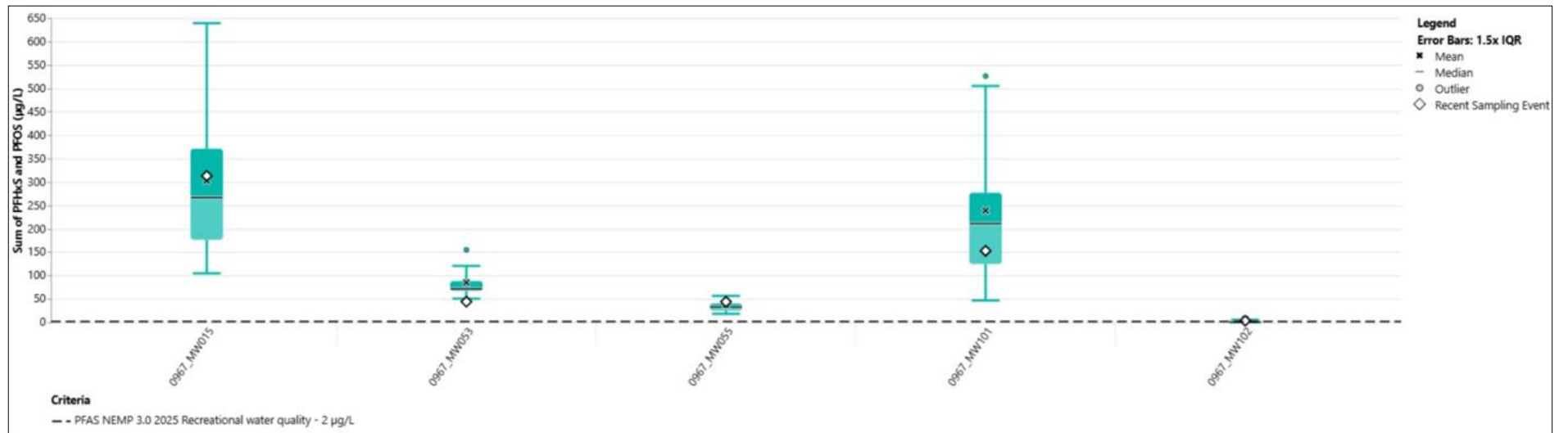
Box and whisker plots

The image below (Graphic E.1) provides a guide for how to read a box and whisker plot. Duplicate samples were not included in the data set, and a limit of reporting (LOR) multiplier of 1 was applied.

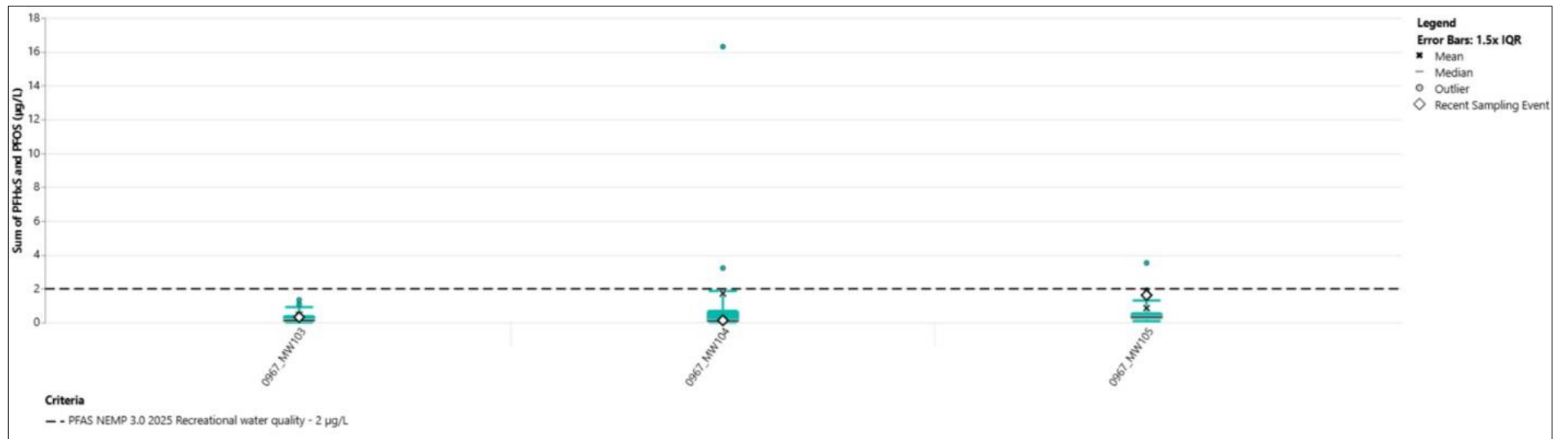


Graph E.1 **Box and whisker plot summary (where IQR = Inter Quartile Range)**

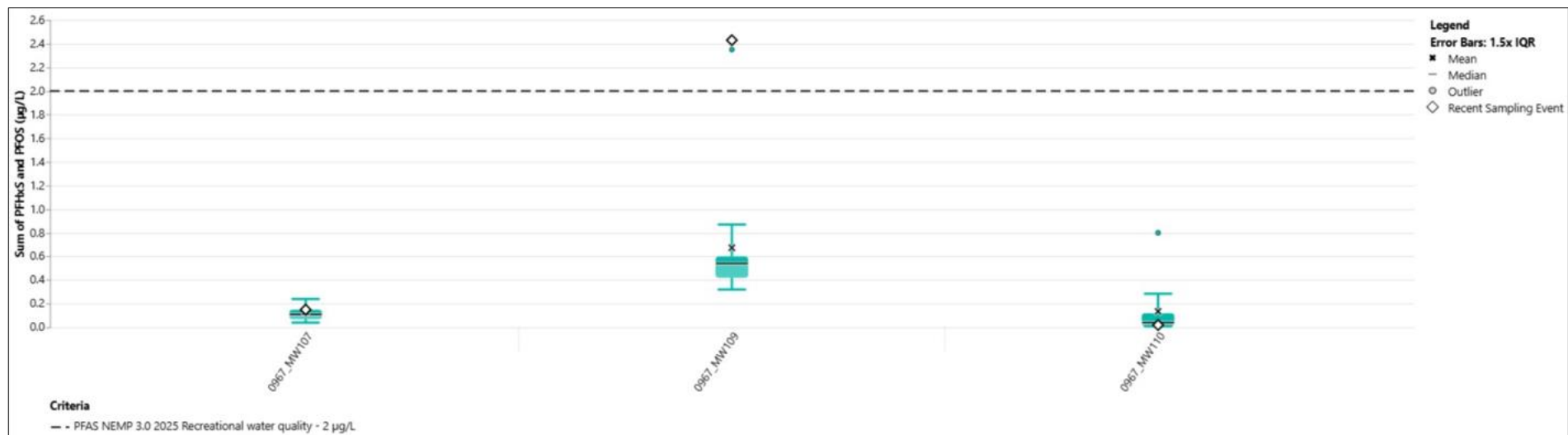
Groundwater



Graph E.2 Source Area A



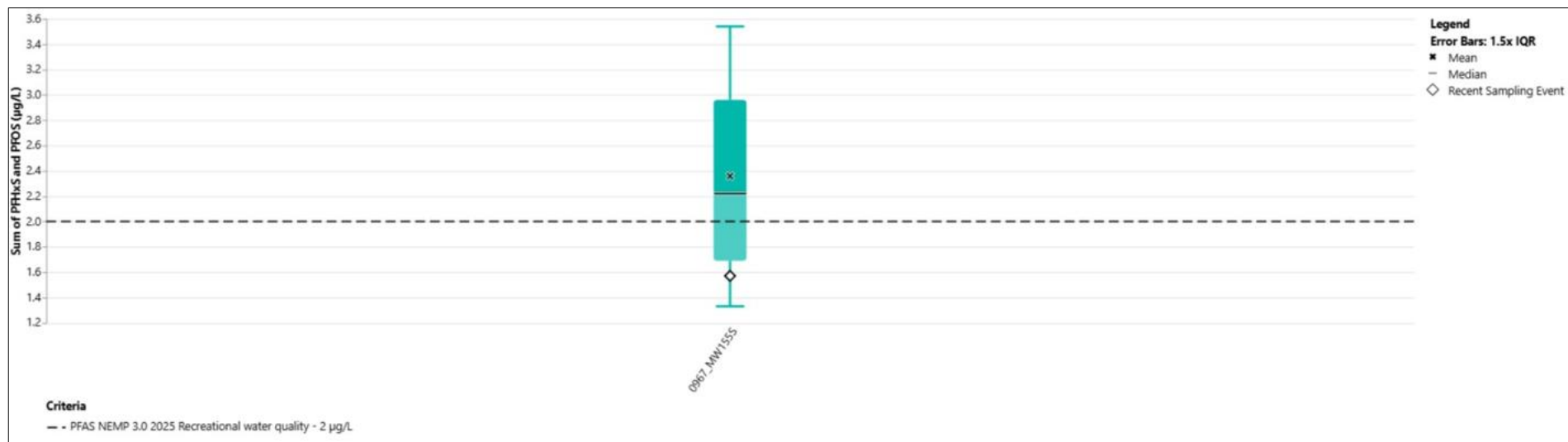
Graph E.3 Source Area B



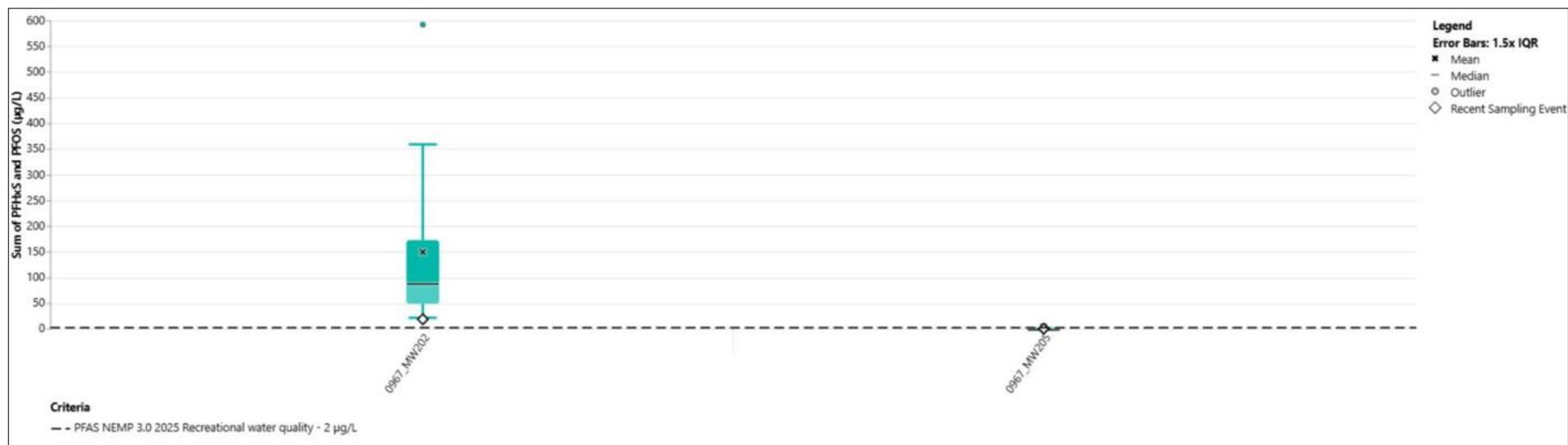
Graph E.4 **Source Area C**



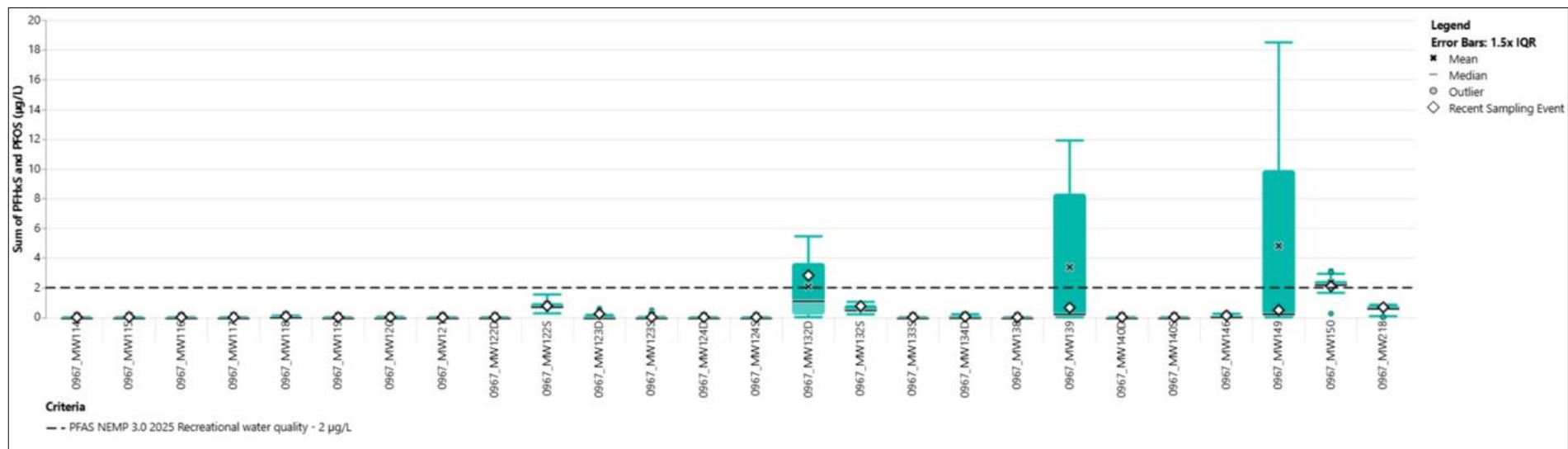
Graph E.5 **Source Area D**



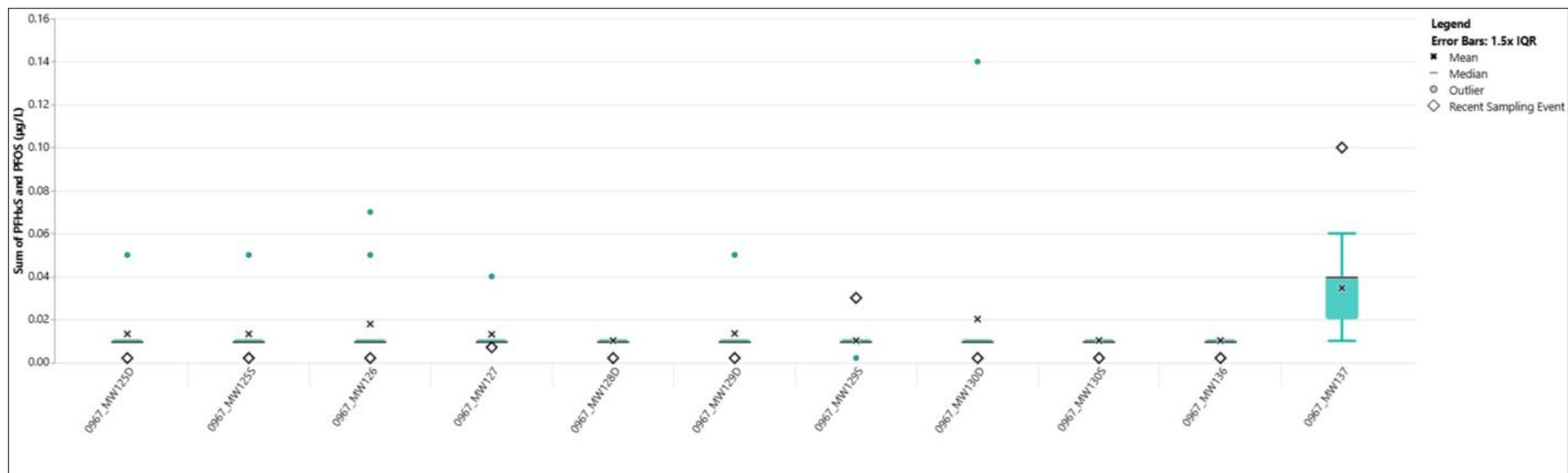
Graph E.6 **Source Area J**



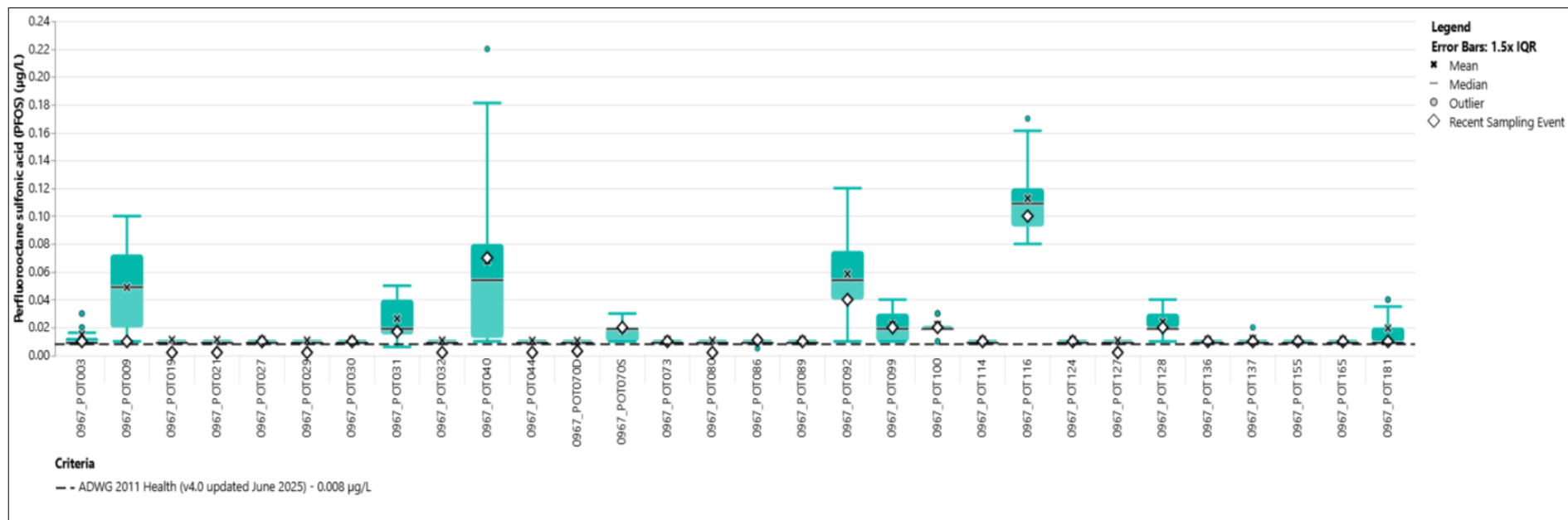
Graph E.7 **Source Area R**



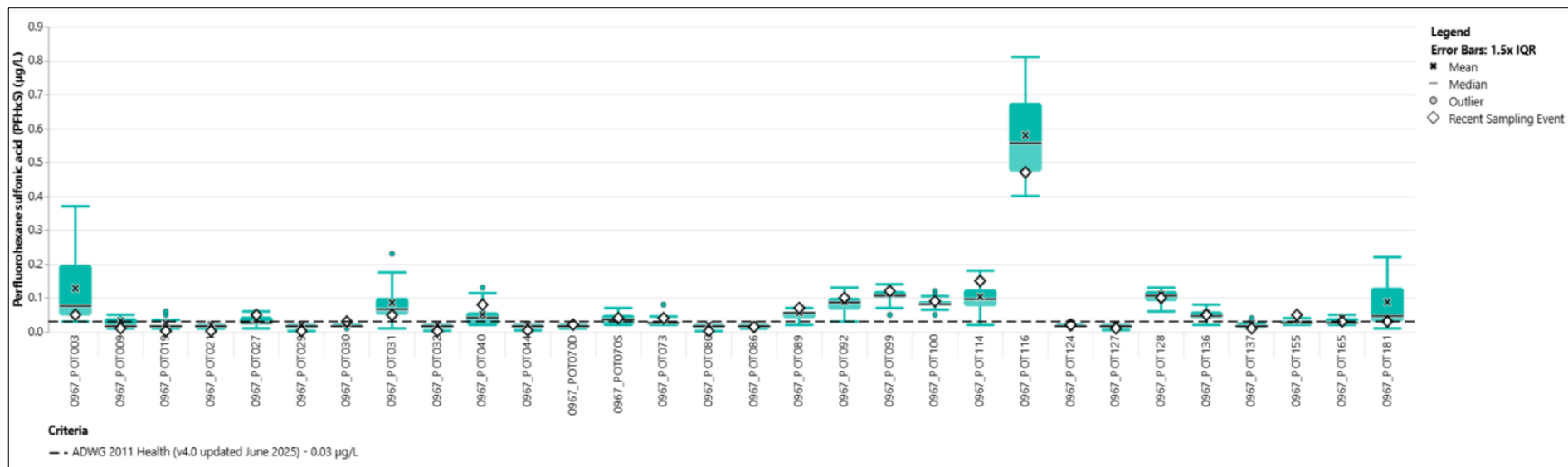
Graph E.8 On-site - Other



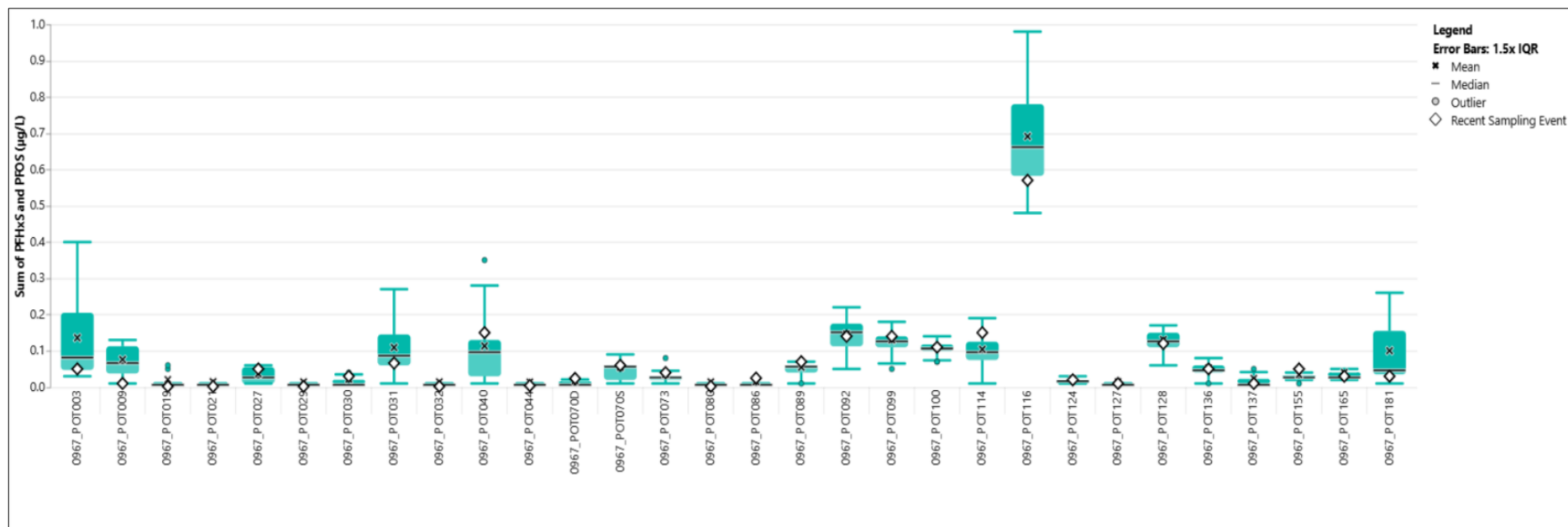
Graph E.9 Off-site



Graph E.10a Private bores - PFOS

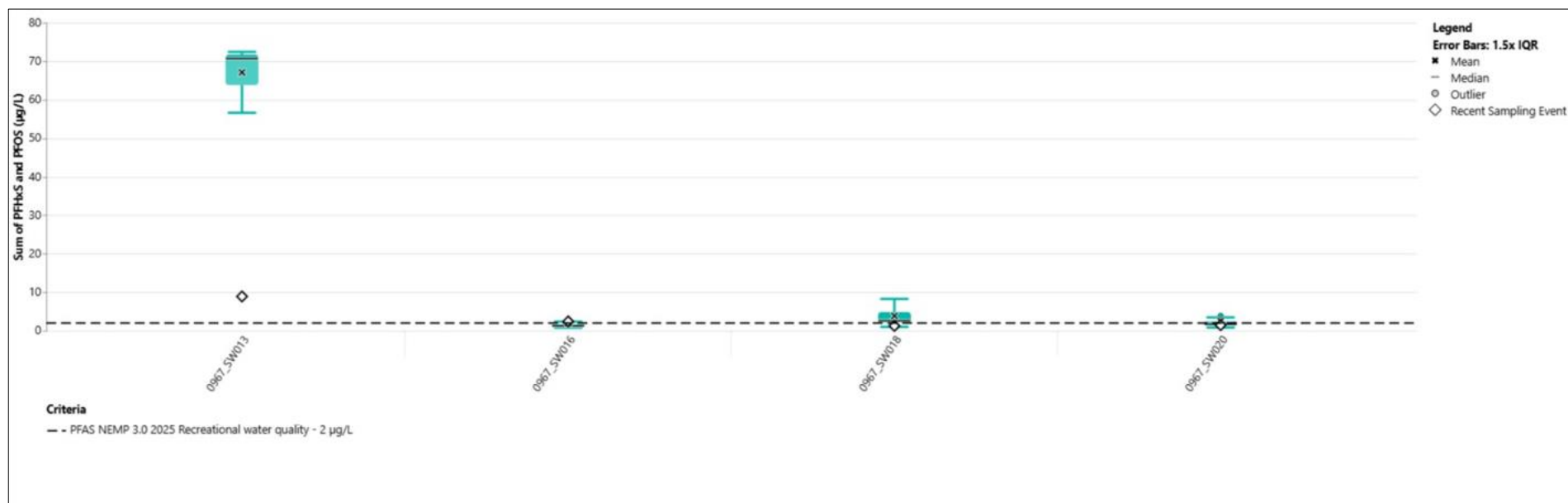


Graph E.10b Private bores - PFHxS

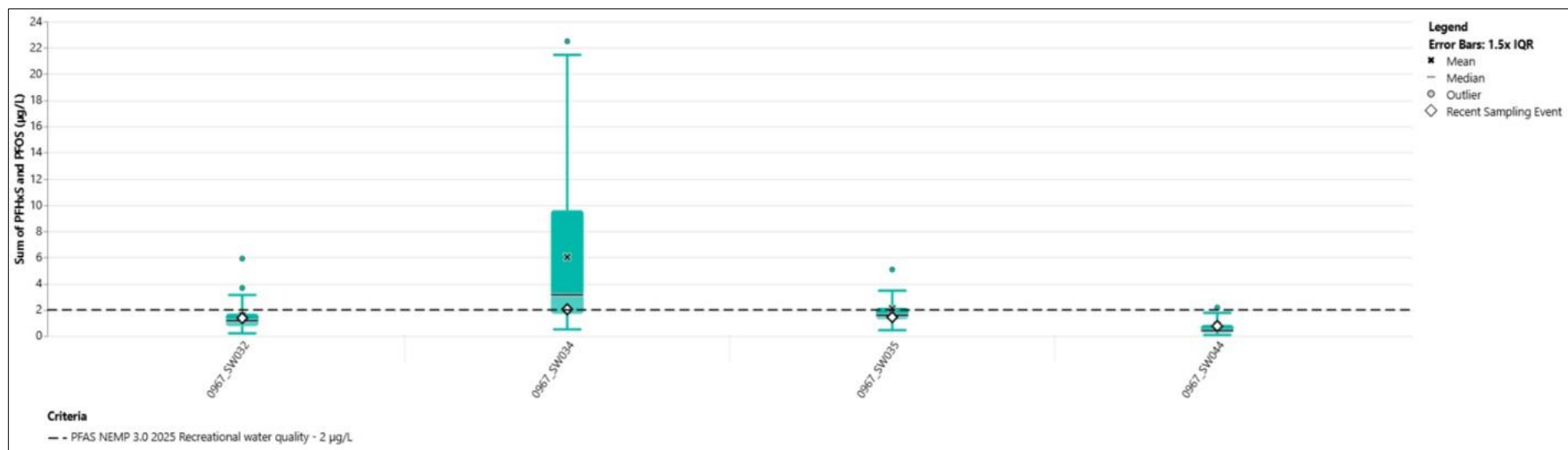


Graph E.10c Private bores - PFHxS+PFOS

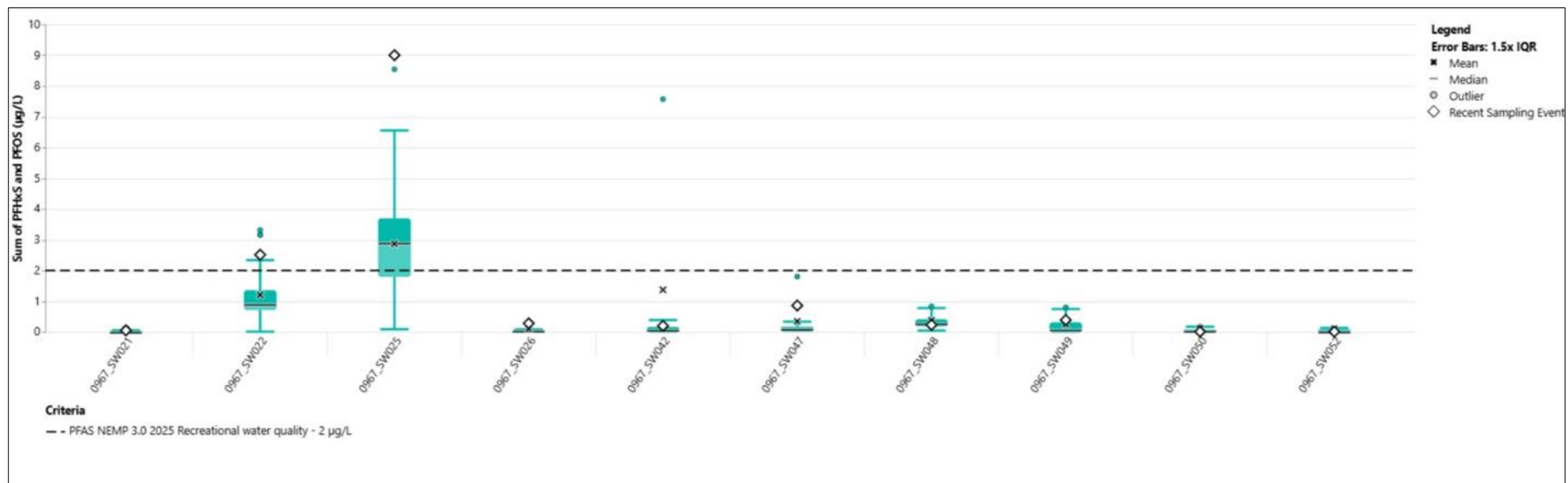
Surface water



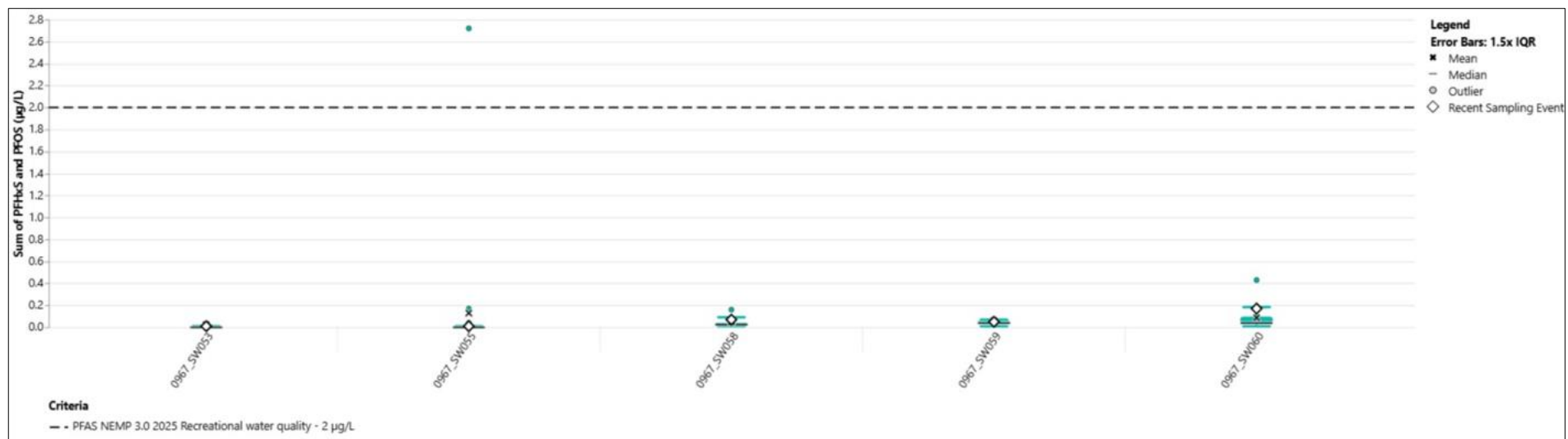
Graph E.14 On-site drainage



Graph E.15 Ki-it Monger Brook



Graph E.16 Ellen Brook



Graph E.17 West Bullsbrook

Appendix H

Trend assessment (water)



Chemical	Location Code	Monitoring Zone	# Sampling Events	# Results	% Detects	Any Detects	Date of First Sample	Date of Latest Sample	Date of First Detect	Is Latest Result First Detect?	Highest Result (Detects Only)	Date of Highest Result (Detects Only)	Is Latest Result Highest? (Detects Only)	Lowest Result (Detects & Non-Detects))	Date of Lowest Result (Detects & Non-Detects)	Is Latest Result Lowest? (Detects & Non-Detects)	Most Recent is a Detect	R ² of Trend	Mann-Kendall Trend	Average Result	Median Result	Std Deviation	Unit	Coefficient of Variation (%)	
Perfluorohexane sulfonic acid (PFHxS)																									
Perfluorohexane sulfonic acid (PFHxS)	0967 MW123D			14	15	43%	Y	2017-10-04	2025-04-02	2022-04-20	N	0.35	2024-04-16	N	0.01	2022-09-20	N	Y	0.3	Increasing	0.072143	0.02	0.1052	µg/L	146
Perfluorohexane sulfonic acid (PFHxS)	0967 MW123S			15	16	33%	Y	2017-10-04	2025-04-02	2019-03-07	N	0.18	2019-03-07	N	0.01	2022-09-20	N	Y	0.1	Decreasing	0.028	0.02	0.0425	µg/L	152
Perfluorohexane sulfonic acid (PFHxS)	0967 MW132D			15	17	80%	Y	2017-10-05	2025-04-07	2019-10-29	N	5.14	2024-04-17	N	0.01	2025-02-03	N	Y	0.2	Increasing	1.808	1.07	1.8177	µg/L	101
Perfluorohexane sulfonic acid (PFHxS)	0967 MW132S			15	17	100%	Y	2017-10-05	2025-04-07	2017-10-05	N	0.74	2024-11-28	N	0.17	2019-03-07	N	Y	0.7	Increasing	0.421333	0.4	0.1631	µg/L	39
Perfluorohexane sulfonic acid (PFHxS)	0967 MW134D			14	16	36%	Y	2017-10-05	2025-04-07	2021-04-29	N	0.03	2021-04-29	N	0.01	2023-04-24	N	Y	0.5	Decreasing	0.017143	0.02	0.0061	µg/L	36
Perfluorohexane sulfonic acid (PFHxS)	0967 MW137			14	15	86%	Y	2017-10-11	2025-04-03	2017-10-11	N	0.1	2025-04-03	Y	0.02	2019-03-08	N	Y	0.5	Increasing	0.039286	0.04	0.0213	µg/L	54
Perfluorohexane sulfonic acid (PFHxS)	0967 MW146	CSR WA 000117		14	15	57%	Y	2017-10-10	2025-04-02	2021-09-08	N	0.24	2022-09-22	N	0.02	2017-10-10	N	Y	0.5	Increasing	0.083571	0.08	0.0737	µg/L	88
Perfluorohexane sulfonic acid (PFHxS)	0967 MW218	CSR WA 000106		15	16	87%	Y	2016-10-31	2025-04-03	2016-10-31	N	0.18	2021-09-09	N	0.01	2023-04-12	N	Y	0.1	Increasing	0.122	0.13	0.0577	µg/L	47
Perfluorohexane sulfonic acid (PFHxS)	0967 POT003			17	18	100%	Y	2016-05-13	2025-03-20	2016-05-13	N	0.37	2017-01-17	N	0.03	2021-09-14	N	Y	0.6	Decreasing	0.118824	0.07	0.0996	µg/L	84
Perfluorohexane sulfonic acid (PFHxS)	0967 POT031			16	19	100%	Y	2017-01-17	2025-03-18	2017-01-17	N	0.23	2017-01-17	N	0.01	2023-09-19	N	Y	0.5	Decreasing	0.078688	0.065	0.0553	µg/L	70
Perfluorohexane sulfonic acid (PFHxS)	0967 POT073			15	16	93%	Y	2018-02-15	2025-03-18	2018-02-15	N	0.08	2024-12-10	N	0.02	2018-10-17	N	Y	0.4	Increasing	0.032	0.03	0.0152	µg/L	48
Perfluorohexane sulfonic acid (PFHxS)	0967 POT089			10	12	90%	Y	2018-02-19	2025-03-20	2018-10-17	N	0.07	2022-09-19	N	0.02	2018-02-19	N	Y	0.8	Increasing	0.053	0.06	0.0177	µg/L	33
Perfluorohexane sulfonic acid (PFHxS)	0967 POT092			15	16	100%	Y	2018-02-15	2025-03-19	2018-02-15	N	0.13	2023-09-22	N	0.03	2018-02-15	N	Y	0.6	Increasing	0.085333	0.09	0.0277	µg/L	33
Perfluorohexane sulfonic acid (PFHxS)	0967 POT099			14	15	100%	Y	2018-02-21	2025-03-18	2018-02-21	N	0.14	2024-12-11	N	0.05	2018-02-21	N	Y	0.5	Increasing	0.11	0.11	0.0218	µg/L	20
Perfluorohexane sulfonic acid (PFHxS)	0967 POT114			15	16	93%	Y	2018-03-01	2025-03-20	2018-03-01	N	0.18	2024-12-10	N	0.02	2018-03-01	N	Y	0.8	Increasing	0.101333	0.1	0.046	µg/L	45
Perfluorohexane sulfonic acid (PFHxS)	0967 POT124			15	17	73%	Y	2018-05-22	2025-03-20	2018-05-22	N	0.03	2018-05-22	N	0.01	2023-09-19	N	Y	0.3	Decreasing	0.020667	0.02	0.0046	µg/L	22
Perfluorohexane sulfonic acid (PFHxS)	0967 POT155			9	10	89%	Y	2018-11-28	2025-03-19	2022-03-23	N	0.05	2024-12-10	N	0.02	2018-11-28	N	Y	0.7	Increasing	0.033333	0.03	0.0112	µg/L	34
Perfluorooctane sulfonic acid (PFOS)																									
Perfluorooctane sulfonic acid (PFOS)	0967 MW123D			14	15	50%	Y	2017-10-04	2025-04-02	2020-10-22	N	0.24	2024-04-16	N	0.01	2017-10-04	N	Y	0.3	Increasing	0.05	0.015	0.0754	µg/L	151
Perfluorooctane sulfonic acid (PFOS)	0967 MW150	CSR WA 000083		14	15	100%	Y	2017-10-10	2025-04-01	2017-10-10	N	1.72	2024-04-15	N	0.04	2017-10-10	N	Y	0.6	Increasing	0.911429	0.95	0.3719	µg/L	41
Perfluorooctane sulfonic acid (PFOS)	0967 POT031			16	19	88%	Y	2017-01-17	2025-03-18	2017-01-17	N	0.05	2019-10-28	N	0.006	2024-12-11	N	Y	0.5	Decreasing	0.024563	0.02	0.0136	µg/L	55
Sum of PFHxS and PFOS																									
Sum of PFHxS and PFOS	0967 MW123D			14	15	50%	Y	2017-10-04	2025-04-02	2020-10-22	N	0.59	2024-04-16	N	0.01	2017-10-04	N	Y	0.3	Increasing	0.111429	0.015	0.1865	µg/L	167
Sum of PFHxS and PFOS	0967 MW132D			15	18	87%	Y	2017-10-05	2025-04-07	2017-10-05	N	5.45	2024-04-17	N	0.01	2017-10-05	N	Y	0.2	Increasing	2.016667	1.21	1.9771	µg/L	98
Sum of PFHxS and PFOS	0967 MW137			14	15	86%	Y	2017-10-11	2025-04-03	2017-10-11	N	0.1	2025-04-03	Y	0.01	2020-05-06	N	Y	0.4	Increasing	0.038571	0.04	0.0235	µg/L	61
Sum of PFHxS and PFOS	0967 MW146	CSR WA 000117		14	15	79%	Y	2017-10-10	2025-04-02	2017-10-10	N	0.27	2022-09-22	N	0.01	2020-05-04	N	Y	0.4	Increasing	0.093571	0.085	0.0846	µg/L	90
Sum of PFHxS and PFOS	0967 MW150	CSR WA 000083		14	15	100%	Y	2017-10-10	2025-04-01	2017-10-10	N	3.12	2022-09-19	N	0.25	2017-10-10	N	Y	0.3	Increasing	2.216429	2.23	0.679	µg/L	31
Sum of PFHxS and PFOS	0967 POT003			17	20	100%	Y	2016-05-13	2025-03-20	2016-05-13	N	0.4	2017-01-17	N	0.03	2021-09-14	N	Y	0.6	Decreasing	0.126471	0.07	0.1093	µg/L	86
Sum of PFHxS and PFOS	0967 POT030			15	18	60%	Y	2017-01-17	2025-03-18	2017-01-17	N	0.04	2024-04-16	N	0.01	2017-01-17	N	Y	0.5	Increasing	0.018	0.01	0.0101	µg/L	56
Sum of PFHxS and PFOS	0967 POT031			16	22	100%	Y	2017-01-17	2025-03-18	2017-01-17	N	0.27	2017-01-17	N	0.01	2023-09-19	N	Y	0.5	Decreasing	0.102	0.09	0.0678	µg/L	66
Sum of PFHxS and PFOS	0967 POT070D			12	13	33%	Y	2020-05-15	2025-03-18	2024-04-24	N	0.024	2025-03-18	Y	0.01	2020-05-15	N	Y	0.7	Increasing	0.01375	0.01	0.0056	µg/L	41
Sum of PFHxS and PFOS	0967 POT073			15	16	93%	Y	2018-02-15	2025-03-18	2018-02-15	N	0.08	2024-12-10	N	0.01	2019-11-19	N	Y	0.4	Increasing	0.031333	0.03	0.016	µg/L	51
Sum of PFHxS and PFOS	0967 POT086			16	17	19%	Y	2018-02-16	2025-03-18	2024-04-16	N	0.025	2025-03-18	Y	0.01	2018-02-16	N	Y	0.3	Increasing	0.011438	0.01	0.0041	µg/L	36
Sum of PFHxS and PFOS	0967 POT089			10	12	90%	Y	2018-02-19	2025-03-20	2018-10-17	N	0.07	2022-09-19	N	0.01	2018-02-19	N	Y	0.7	Increasing	0.052	0.06	0.0199	µg/L	38
Sum of PFHxS and PFOS	0967 POT092			15	16	100%	Y	2018-02-15	2025-03-19	2018-02-15	N	0.22	2023-09-22	N	0.05	2018-02-15	N	Y	0.4	Increasing	0.141333	0.15	0.0511	µg/L	36
Sum of PFHxS and PFOS	0967 POT099			14	15	100%	Y	2018-02-21	2025-03-18	2018-02-21	N	0.18	2024-12-11	N	0.05	2018-02-21	N	Y	0.6	Increasing	0.126429	0.13	0.0313	µg/L	25
Sum of PFHxS and PFOS	0967 POT114			15	16	93%	Y	2018-03-01	2025-03-20	2018-03-01	N	0.19	2024-12-10	N	0.01	2018-11-22	N	Y	0.8	Increasing	0.102667	0.1	0.0491	µg/L	48
Sum of PFHxS and PFOS	0967 POT155			9	10	89%	Y	2018-11-28	2025-03-19	2022-03-23	N	0.05	2024-12-10	N	0.01	2018-11-28	N	Y	0.8	Increasing	0.032222	0.03	0.013	µg/L	40

Legend
Mann-Kendall - Increasing
Mann-Kendall - Decreasing
Mann-Kendall and R ² of trend - Increasing

Appendix I

Conceptual site model

Table I.1 Conceptual Site Model

Impacted media	Exposure Route	Potential Receptor(s)	Qualitative Risk Assessment	Pathway Complete?	Risk Characterisation	Risk management action	Data gaps and uncertainties
Soil	Incidental ingestion of impacted soil	Human – Site workers	Source Area A (fire training area) – PFOS plus PFHxS concentrations exceeded the health-based assessment level in the near-surface soils. The impacted areas are currently unsealed and easily accessible and therefore, this pathway was considered to present a potentially increased risk of exposure to site workers in this area and was assessed further as part of the HHERA.	Yes	Low and acceptable (HHERA)	None required	None in relation to this exposure pathway
			Source Area B (former fire training areas) – PFOS plus PFHxS concentrations exceed the health-based assessment level in the near-surface soils. However, the area is located within a fenced portion of bushland. It is understood that the area is no longer used for fire training. The area is currently a conservation reserve and therefore, future development of the area is considered unlikely. On this basis, this pathway was considered to be incomplete and therefore present a low risk of exposure to site workers in this area.	No	Low and acceptable (HHERA)	None required	None in relation to this exposure pathway
			Source Area D (grounds maintenance area) – PFOS plus PFHxS concentrations recorded during the DSI (GHD 2018a) exceeded the health-based assessment level in the near-surface soils. On this basis, this exposure pathway was considered complete, and it was therefore assessed further as part of the HHERA. Risks were found to be: - Low and acceptable under a ‘typical’ exposure scenario, though ‘elevated’ under a ‘worst case’ exposure scenario for site workers undertaking non-intrusive works; and - Elevated for sub-surface maintenance workers. This area was remediated in April 2021 by the targeted removal of impacted soils (approximately 9 m ³ between ground level and 1 m bgl) from the source area which was suitably validated) and the application of pavement capping (GHD, 2021b).	No	Low and acceptable, on the basis of the following: - The area has been capped with pavement, thereby minimising the potential for exposure of site workers to PFAS impacted soil. - Sampling indicating that there is no soil remaining with PFAS concentrations exceeding the adopted human health assessment levels for commercial/industrial land use.	Ongoing management measures include ongoing monitoring, pavement inspections, implementation of Defence (2025) PFAS Management Construction and Maintenance Framework and project specific health and safety management plans for any future works in the area (GHD, 2021b).	None in relation to this exposure pathway
			Source Area R (RAAF Pearce landfill) – GHD understands that Source Area R, the landfill site, features a capping layer. The capping layer, along with the landfill being a Defence controlled site with restricted access (fenced), is considered to restrict exposure of the waste material to receptors. On this basis, this pathway was considered to be incomplete and therefore presents a low risk of exposure to site workers in this area.	No	Low and acceptable based on the incomplete exposure pathway.	None required	None in relation to this exposure pathway
			Source Area C, Potential Source Areas E, F, G, H, I, J, K, S – Soil samples collected from these areas did not contain PFAS at concentrations above the adopted health-based assessment levels. Additionally, Source Area C (hangar 93 and foam disposal pit) and Potential Source Area F (fitter’s workshop) feature hardstand that limits exposure to workers conducting non-intrusive activities. While the pathway is complete with respect to Source Areas E, G, H, I, J, K and S, the concentrations recorded indicate that there is a low risk of exposure to PFAS via this pathway.	Yes	Low and acceptable (HHERA)	None required	None in relation to this exposure pathway
		Human – residents at off-site private properties	Soil samples collected from off-Site Defence-leased land parcel, Lot 200, and off-site private properties did not detect PFAS at concentrations above the adopted health-based assessment levels. While the pathway is complete, the low concentrations recorded indicate that there is a low risk of exposure to PFAS via this pathway.	Yes	Low and acceptable (HHERA)	None required	None in relation to this exposure pathway
		Human – users of the childcare centre	PFOS plus PFHxS was detected in one of ten soil samples collected from the on-Site childcare centre at a concentration exceeding the adopted health-based assessment level. The area is unsealed and easily accessible by users of the centre. It is noted that the adopted assessment level applies to residential land use and assumes consumption of home-grown produce and subsequent bioaccumulation. Growth and consumption of produce is unlikely to occur at a childcare centre and therefore, the exceedance is unlikely to present an elevated risk to users of the centre. This exposure pathway was assessed further as part of the HHERA.	Yes	Low and acceptable (HHERA)	None required	None in relation to this exposure pathway
	Direct contact and uptake of impacted soil	Ecological – terrestrial biota	Source Areas A (fire training area) and B (former fire training areas) feature sensitive terrestrial ecology (GHD, 2018b). PFAS has been detected in the near-surface soils of these areas at concentrations exceeding the PFAS NEMP ecology-based assessment levels. The impacted areas are unsealed and easily accessible to terrestrial ecology and terrestrial biota samples collected from Source Areas A (fire training area) and B (former fire	Yes	Elevated risk for some higher order species (HHERA). Risk is anticipated to be reduced following implementation of Source Area A RAP (GHD, 2022c)	Ongoing implementation of the Source Area A RAP to reduce the potential for direct contact and uptake of impacted soil by terrestrial biota (underway at	None in relation to this exposure pathway

Impacted media	Exposure Route	Potential Receptor(s)	Qualitative Risk Assessment	Pathway Complete?	Risk Characterisation	Risk management action	Data gaps and uncertainties
			training areas) had detectable concentrations of PFAS. The biota sampled included lower order species (i.e. invertebrates and plants) that may be consumed by higher order species thereby resulting in PFAS bioaccumulation. On this basis, it was considered that this exposure pathway is complete, and it was therefore assessed further as part of the HHERA. With reference to Section 7, remedial works that seek to reduce the potential for direct contact and uptake of impacted soil by terrestrial biota (among other objectives) within Source Area A are commencing in November 2024. Based on the outcomes of the supplementary investigation of Source Area B (GHD, 2020a), the project team considered that it was not appropriate to progress source zone remedial works in Source Area B. This included consideration of the threatened ecological community present in the area and comparative benefit of completing remedial works (even if a credible exposure pathway to terrestrial flora and fauna will remain).			completion of the monitoring period).	
			Potential Source Areas I (crash site B) and S (police dog training site) feature sensitive terrestrial ecology however, PFAS concentrations in the near-surface soils within these areas were below the PFAS NEMP ecology-based assessment levels. On this basis, it was considered that this exposure pathway is incomplete and presents a low risk to terrestrial biota in these areas.	No	Low and acceptable	None required	None in relation to this exposure pathway
		Ecological – Livestock	Lot 200 – Lot 200 is used for pasture and features livestock (bulls and horses). PFAS has been detected in the near-surface soil of Lot 200 however, the concentrations were below the NEMP (2020) ecology-based assessment levels. While the pathway is complete, the low concentrations recorded indicate that there is a low risk of livestock exposure to PFAS via this pathway.	Yes	Low and acceptable	None required	None in relation to this exposure pathway
Surface water and sediment	Incidental ingestion of impacted sediments and surface water	Human – Site workers	Base Drains – Surface water samples collected from the Base Drains had PFOS plus PFHxS and PFOA concentrations in excess of the adopted health-based assessment levels. There are no Australian regulatory endorsed assessment levels currently available for PFAS in sediment, though PFAS were detected in the sediments of the Base Drains. There is potential for site workers to be exposed to impacted sediments during maintenance activities such as clearing of obstructed drainage channels. On this basis, this pathway was considered to present a potentially increased risk of exposure to site workers and was assessed further as part of the HHERA. With reference to remediation of Source Area D (grounds maintenance area) has been completed and remediation planning for Source Area A (fire training area) is underway. Among other objectives, the remedial works aim to reduce PFAS flux in surface water to the on-Site drainage network	Yes	Low and acceptable under a 'typical' exposure scenario, though 'elevated' under a 'worst case' exposure scenario (HHERA). This risk characterisation is subject to change following remediation of Source Area D (implemented) and planned remediation of Source Area A (underway at completion of the monitoring period), which aim to reduce the flux of PFAS in surface water to the on-Site drainage network, therefore reducing PFAS surface water concentrations to within acceptable levels.	Ongoing implementation of Source Area A RAP to reduce ongoing flux of PFAS in surface water and sediment (underway at completion of the monitoring period). Ongoing management and monitoring associated with completed and underway remedial works. Exposure effectively managed by implementation of the Defence (2025) PFAS Management Construction and Maintenance Framework and project specific health and safety management plans.	None in relation to this exposure pathway
			Potential Source Area Q (WWTP) – PFAS concentrations within the water samples collected from Potential Source Area Q (the on-Site WWTP) exceeded the adopted health-based assessment levels. However, given the nature of the WWTP, whereby the impacted water is retained within ponds and evaporates, exposure to site workers is considered unlikely to occur. On this basis, this pathway was considered to be incomplete and therefore present a low risk of exposure to site workers.	No	Not assessed (incomplete exposure pathway)	None required	None in relation to this exposure pathway
		Human – recreational users of waterbodies	Ellen and Ki-it Monger Brooks – Surface water samples collected from Ellen and Ki-it Monger Brooks had PFOS plus PFHxS and PFOA concentrations in excess of the adopted health-based assessment levels. There are no Australian regulatory endorsed assessment levels currently available for PFAS in sediment, though PFAS were detected in the sediments of Ellen and Ki-it Monger Brooks. GHD understands that the Brooks are used for recreational activities such as swimming and fishing. On this basis, this pathway was considered to present a potentially increased risk of exposure to recreational users of the Brooks was assessed further as part of the HHERA.	Yes	Low and acceptable (HHERA)	None required	None in relation to this exposure pathway

Impacted media	Exposure Route	Potential Receptor(s)	Qualitative Risk Assessment	Pathway Complete?	Risk Characterisation	Risk management action	Data gaps and uncertainties
		Human – recreational users and off-Site workers	West Bullsbrook drainage channels – PFAS concentrations within the surface water samples collected from the creek traversing Lot 200 and the drain traversing the West Bullsbrook residential area were below the adopted health-based assessment levels. PFAS detections within sediment samples collected from the West Bullsbrook drainage channels were equal to or marginally above the LOR (i.e. PFOS plus PFHxS was detected at a maximum of 0.0003 mg/kg). Given the location and nature of these waterbodies (i.e. Lot 200 being private property) it is not expected that regular recreational use would occur. Maintenance workers may occasionally be exposed to surface water and sediments in the drain in the residential area however, as stated, the detected PFAS concentrations were very low. While the pathway may be complete with respect to maintenance workers, the low concentrations recorded indicate that there is a low risk of exposure to PFAS via this pathway.	Yes	Low and acceptable (HHERA)	None required	None in relation to this exposure pathway
	Direct consumption of crustaceans that have been exposed to impacted surface water and/or sediment	Human – consumers of fish and crustaceans	Ellen and Ki-it Monger Brooks – GHD understands that residents within the Management Area may consume crustaceans caught in Ellen and Ki-it Monger Brooks. PFOS plus PFHxS was detected in the fish samples analysed at concentrations exceeding the adopted health-based assessment level. PFAS was not recorded at concentrations above the assessment level in the crustacean samples. Subsequent consultation with the community undertaken by GHD found that fishing activities appear to be limited to the occasional catching and consumption of crustaceans by only a few community members. Notwithstanding, a conservative estimate of exposure to PFAS through consumption of crustaceans was included in the HHHERA.	Yes	Low and acceptable (HHERA)	None required	None in relation to this exposure pathway
	Ingestion or direct uptake of impacted surface water and sediment	Ecological – aquatic biota	Ellen and Ki-it Monger Brooks – Ellen and Ki-it Monger Brooks are sensitive ecological receptors. Surface water samples collected from Ellen and Ki-it Monger Brooks had PFOS concentrations in excess of the adopted ecological based assessment levels. PFAS were detected within the aquatic biota samples (fish and crustaceans) collected from the Brooks, though at concentrations below the adopted ecological based assessment levels. The biota sampled included lower order species (i.e. small fish and crustaceans) that may be consumed by higher order species resulting in PFAS bioaccumulation. On this basis, this pathway was considered to present a potentially increased risk of exposure to the aquatic ecology of the Brooks and was assessed further as part of the HHHERA.	Yes	Low and acceptable (HHERA)	None required	New maximum PFOS+PFHxS concentrations were recorded in Ellen Brook surface water samples SW025 and SW026, near the western base boundary, in the post-winter 2024 monitoring event. Ongoing monitoring of PFAS discharge from the western boundary of the base should focus on understanding temporal trends, to inform the need for response actions.
		Ecological – Terrestrial biota	Ellen and Ki-it Monger Brooks – Surface water samples collected from Ellen and Ki-it Monger Brooks had PFOS concentrations in excess of the adopted ecological based assessment levels. Following heavy rainfall events, there is potential for overbank flooding from the Brooks to occur resulting in exposure to the terrestrial ecology adjacent to the Brooks. On this basis, this pathway was considered to present a potentially increased risk of exposure to the terrestrial ecology adjacent to the Brooks and was assessed further as part of the HHHERA. With reference to Section 6.1, remediation of Source Area D (grounds maintenance area) has been completed, and remediation of Source Area A (fire training area) is planned to commence in November 2024. Among other objectives, the remedial works aim to reduce PFAS flux in surface water to the on-Site drainage network that subsequently discharges to Ellen and Ki-it Monger Brooks.	Yes	Elevated risk for some higher order species (HHERA). This risk characterisation is subject to change following remediation of Source Area D (implemented) and planned remediation of Source Area A (underway at completion of the monitoring period), which aim to reduce the flux of PFAS in surface water to the on-Site drainage network, therefore reducing PFAS surface water concentrations to within acceptable levels.	Ongoing implementation of Source Area A RAP to reduce ongoing flux of PFAS in surface water and sediment (underway at completion of the monitoring period). Ongoing management and monitoring associated with completed and underway remedial works.	None in relation to this exposure pathway
		Ecological – Police dogs	GHD understands that the police dogs swim in Ki-it Monger Brook and the nearby drainage channels. PFOS concentrations within Ki-it Monger Brook exceed the adopted ecological based assessment level. On this basis, this pathway was considered to present a potentially increased risk of exposure to the police dogs and was assessed further as part of the HHHERA.	Yes	Low and acceptable (HHERA)	None required	None in relation to this exposure pathway
		Ecological – Livestock	Lot 200 – Lot 200 is used for pasture and features livestock (bulls and horses) that may consume surface water from the creek that traverses the Lot or from Ellen Brook. PFAS has been detected at concentrations above the LOR within the surface water of Ellen Brook. While there are no Australian regulatory endorsed assessment levels currently available for assessment of risk posed to livestock by PFAS exposure, it was considered	Yes	Low and acceptable (HHERA)	None required	None in relation to this exposure pathway

Impacted media	Exposure Route	Potential Receptor(s)	Qualitative Risk Assessment	Pathway Complete?	Risk Characterisation	Risk management action	Data gaps and uncertainties
			that this exposure pathway is complete, and it was therefore assessed further as part of the HHERA.				
Groundwater	Incidental ingestion of impacted groundwater	Human – Site workers	PFOS plus PFHxS and PFOA has been detected in groundwater beneath the Site at concentrations exceeding the adopted health-based (recreational) assessment levels. GHD understands that scheme water supplies the Site and that groundwater is no longer abstracted for any purpose. However, there is potential for site personnel or contractors to encounter seasonal perched groundwater when conducting ground-intrusive maintenance activities. On this basis, this pathway was considered to present a potentially increased risk of exposure to Base workers, particularly maintenance workers conducting intrusive works, and was therefore assessed further as part of the HHERA as an elevated risk . Exposure is effectively managed by implementation of the Defence (2025) PFAS Management Construction and Maintenance Framework and project specific health and safety management plans. Further, with reference to Section 7, remediation of Source Area D (grounds maintenance area) has been completed and remediation planning for Source Area A (fire training area) is planned to commence in November 2024. Among other objectives, the remedial works aim to reduce PFAS flux to groundwater.	Yes	Elevated risk based on the highest concentrations recorded, which were recorded in Source Area A – an operational airside location. This risk characterisation is subject to change following remediation of Source Area D (implemented) and Source Area A (underway), , which aim to reduce the flux of PFAS in surface water to Ellen and Ki-it Monger Brooks, therefore reducing PFAS surface water concentrations to within acceptable levels.	Exposure effectively managed by implementation of the Defence (2025) PFAS Management Construction and Maintenance Framework and project specific health and safety management plans. Ongoing implementation of Source Area A RAP to reduce ongoing flux of PFAS in surface water and sediment (underway at completion of the monitoring period). Ongoing management and monitoring associated with completed and underway remedial works is required..	None in relation to this exposure pathway
		Human – Off-Site groundwater users (non-potable)	A significant portion of residents within the Management Area use groundwater for non-potable purposes such as showering, washing and gardening. Samples collected from several bores during the DSI reported PFAS concentrations above the limit of reporting. This exposure pathway was assessed as part of the HHERA using the maximum concentrations recorded in private bores during the DSI and the HHERA concluded that risks were low and acceptable. At completion of the monitoring period, construction of Water Corporation scheme water infrastructure to supply a sustainable long-term source of alternative water to residential properties within the Management Area was underway. The works were completed in May 2026.	Yes	Low and acceptable based on the maximum concentration recorded at the time of the HHERA.	Supply of scheme water to residential properties within the RAAF Base Pearce PFAS Management Area.	None in relation to this exposure pathway
	Direct consumption of impacted groundwater	Human – consumers of groundwater at private properties	A significant portion of residents within the Management Area use groundwater for drinking purposes. Samples collected from several bores during the DSI reported PFAS concentrations in excess of the drinking water guideline values. On this basis, this pathway was considered to present a potentially increased risk of exposure to off-Site groundwater users and was assessed further as part of the HHERA. PFAS concentrations identified in some off-base monitoring wells and private bores during the monitoring period exceeded the revised NHMRC drinking water guideline values and a new maximum PFHxS concentration (0.15 µg/L) was recorded in off-base monitoring location MW137, on the western edge of the Management Area. Defence supplies alternative (packaged) water to residential properties within the Management Area for potable purposes. At completion of the monitoring period, construction of Water Corporation scheme water infrastructure to supply a sustainable long-term source of alternative water to residential properties within the Management Area was underway. The works were completed in May 2026.	Yes	Low and acceptable at typical water consumption levels. Elevated risk at upper water consumption levels (for bores with PFAS concentrations above the drinking water guideline level).	Exposure is currently effectively managed by Defence through provision of an alternative water supply. Ongoing monitoring of private bores undertaken as part of the OMP. Ongoing implementation of the Source Area A RAP (GHD, 2022c) to reduce ongoing flux of PFAS to groundwater (underway at completion of the monitoring period). Ongoing management and monitoring associated with completed and underway remedial works.	A new maximum PFHxS concentration (0.15 µg/L) was recorded in off-base monitoring location MW137, on the western edge of the Management Area, exceeding the revised NHMRC (2025) drinking water guideline (0.03 ug/L). Further, private bores in this area (e.g., POT014 and POT015) have not been sampled to the non-standard 'low level' LOR to enable comparison of concentrations with the revised drinking water guidelines. These findings may represent change in the understanding of the extent of PFAS impact along the western boundary of the Management Area. Further assessment is required to understand possible changes in the extent of PFAS impact in this part of the Management Area and whether the extent of scheme water infrastructure that has been constructed

Impacted media	Exposure Route	Potential Receptor(s)	Qualitative Risk Assessment	Pathway Complete?	Risk Characterisation	Risk management action	Data gaps and uncertainties
							is sufficient to manage potential PFAS exposure.
		Human – infants consuming breast milk and potential placental transfer from mothers who have been consumers of impacted groundwater.	A significant portion of residents within the Investigation Area use groundwater for drinking purposes. Samples collected from several bores during the DSI reported PFAS concentrations in excess of the drinking water guideline values. On this basis, there is potential for mothers who may have consumed impacted groundwater to pass PFAS onto infants via breast milk and potentially to foetuses via placental transfer. Therefore, this pathway was considered to present a potentially increased risk of exposure to off-Site infants and was assessed further as part of the HHERA.	Yes	Low and acceptable based on available information (Department of Health 2017, ToxConsult 2016).	None required	None in relation to this exposure pathway
		Ecological – Livestock	Lot 200 – Lot 200 is used for pasture and features livestock (bulls and horses) that may consume groundwater abstracted from the superficial regional aquifer. PFAS was not detected above the LOR in any of the groundwater samples collected within Lot 200 as part of the DSI, nor was it detected within the surface water sample collected from a spring in Lot 200. However, monitoring conducted within Lot 200 as part of the OMP reported a first time PFAS detection at well MW130D, with a PFOS plus PFHxS concentration in excess of the drinking water assessment criterion. This well is located in close proximity to the West Bullsbrook residential area where similar PFAS concentrations have been reported in a number of private bores. Exposure to PFAS by livestock was assessed as part of the HHERA and risks were found to be low and acceptable .	Yes	Low and acceptable (HHERA)	None required	None in relation to this exposure pathway
	Direct consumption of produce watered with impacted groundwater	Human – off-Site consumers of produce	A number of residents within the Investigation Area use groundwater to produce fruit, vegetables and eggs. PFAS was not detected above the LOR in any of the produce samples analysed, with the exception of two egg samples which contained PFOS plus PFHxS at concentrations below the adopted health-based assessment level. On this basis, this pathway is considered to present a low risk to off-Site consumers of produce. Nonetheless, noting that the LOR for PFOS in produce samples (0.001 mg/kg) is greater than the FSANZ assessment level for fruit (0.0006 mg/kg), this pathway was assessed further as part of the HHERA.	Yes	Low and acceptable (HHERA)	None required	None in relation to this exposure pathway



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