

Report Period

1/10/2025

4/11/2025

**Monitoring Summary
for Hodgson Quarries and Plant Pty Ltd
Roberts Road Sand Quarry, Maroota,
NSW**

Site Monitoring Locations



Groundwater Levels

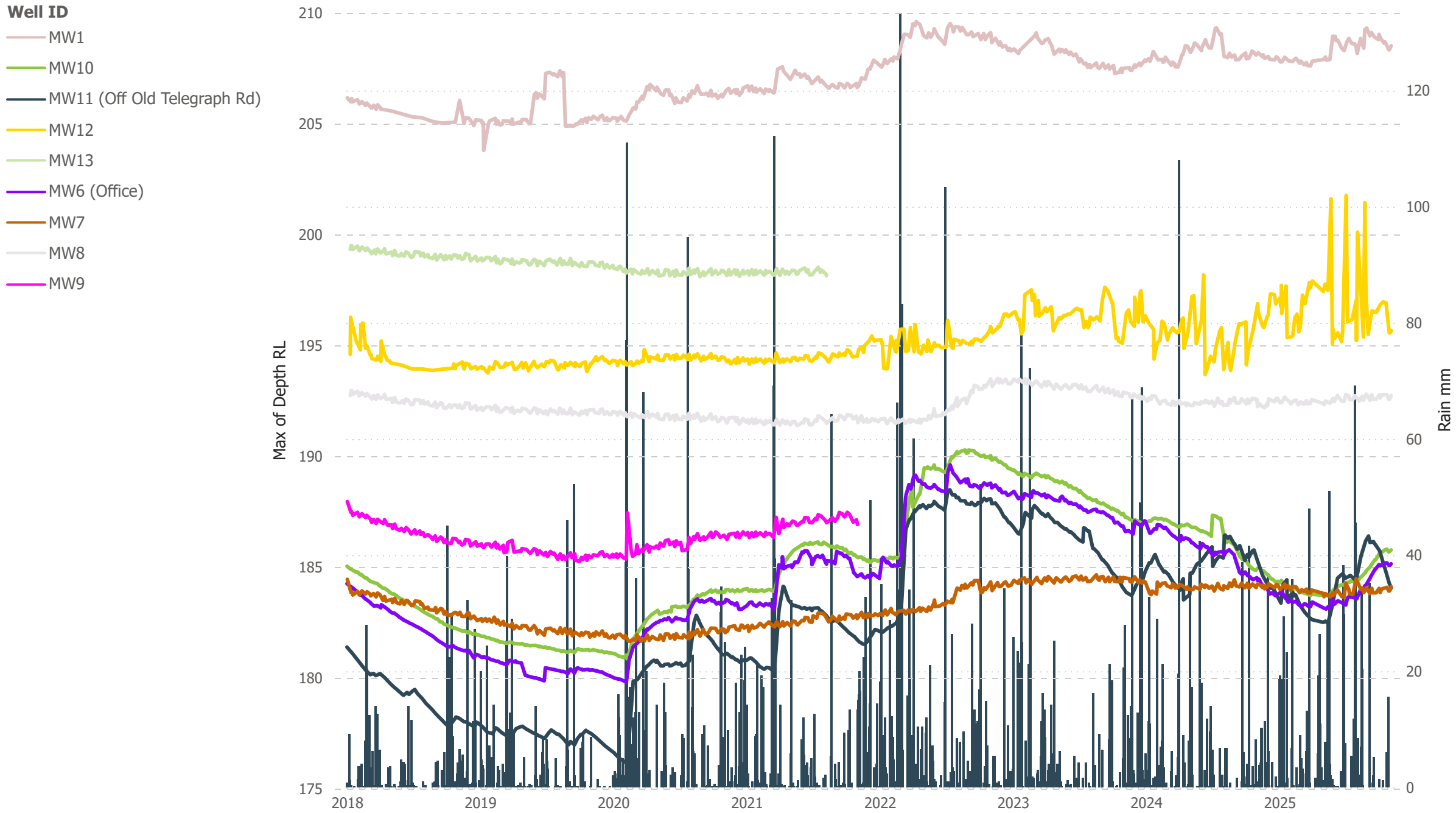
Groundwater levels are currently monitored in nine boreholes located on the site. Groundwater levels are manually measured for depth each month using a groundwater dipper. Data is downloaded from groundwater loggers where present. MW1 logger was installed prior to 2015; the remaining loggers were installed in 2017.

Graph 1 displays the depths as of January 2017. Graph 2 shows depths in the past month. Following anomalous readings from the MW5 logger, the bore was investigated and discovered to have collapsed. The logger was relocated to a functioning bore and the bore abandoned and replaced by nearby MW8.

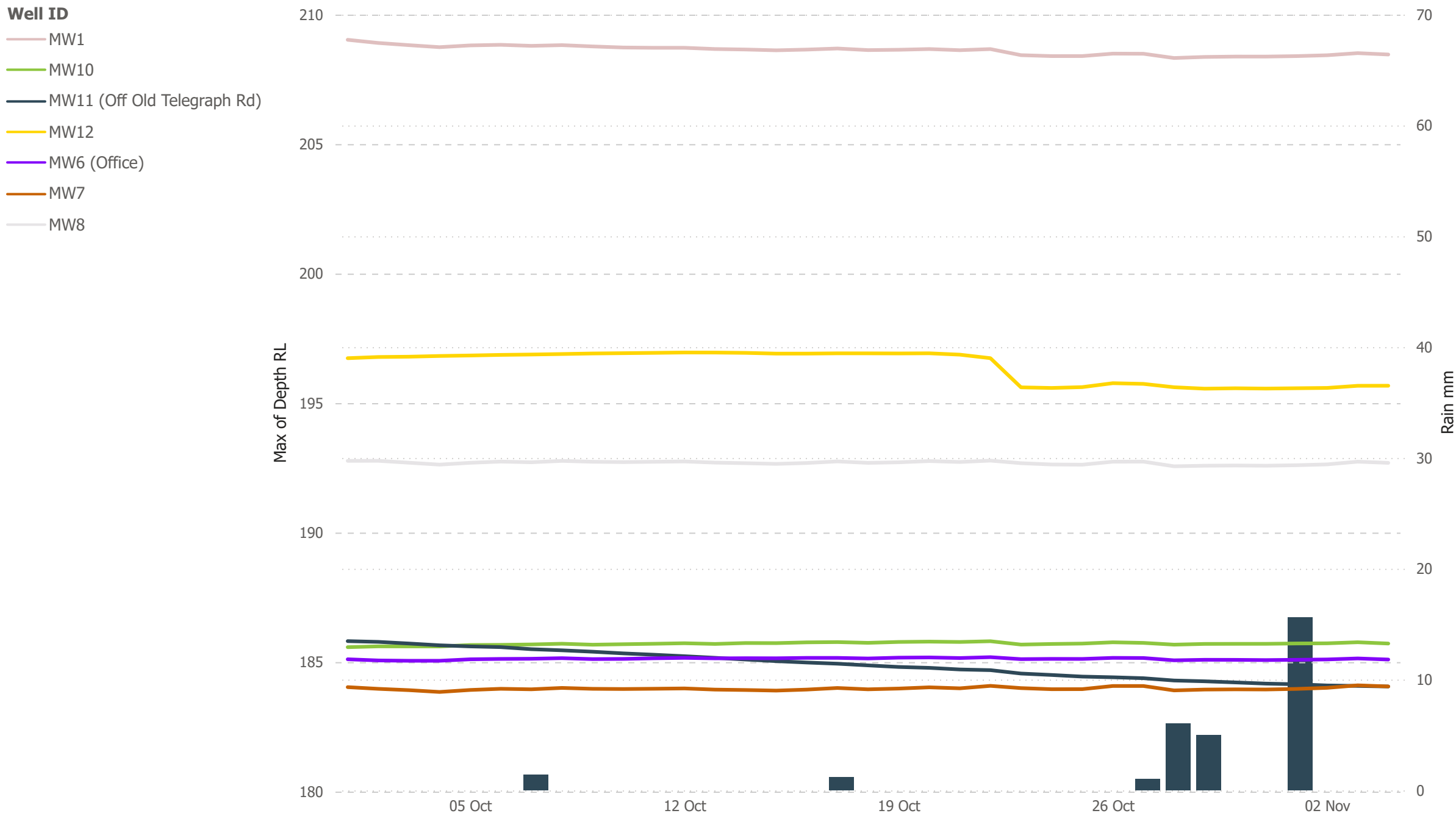
MW1 and MW12 were taken away for repairs during April 2018 and returned in October 2018, hence the gap in reporting on the following graphs.

Due to rain gauge malfunctions, rainfall was not recorded in 2020 until a new weather station was installed onsite 29th May 2020. Where available, daily rainfall received in the interim was been sourced from the Bureau of Meteorology.

Graph 1: All Groundwater Depths with Rainfall from 1/1/2017

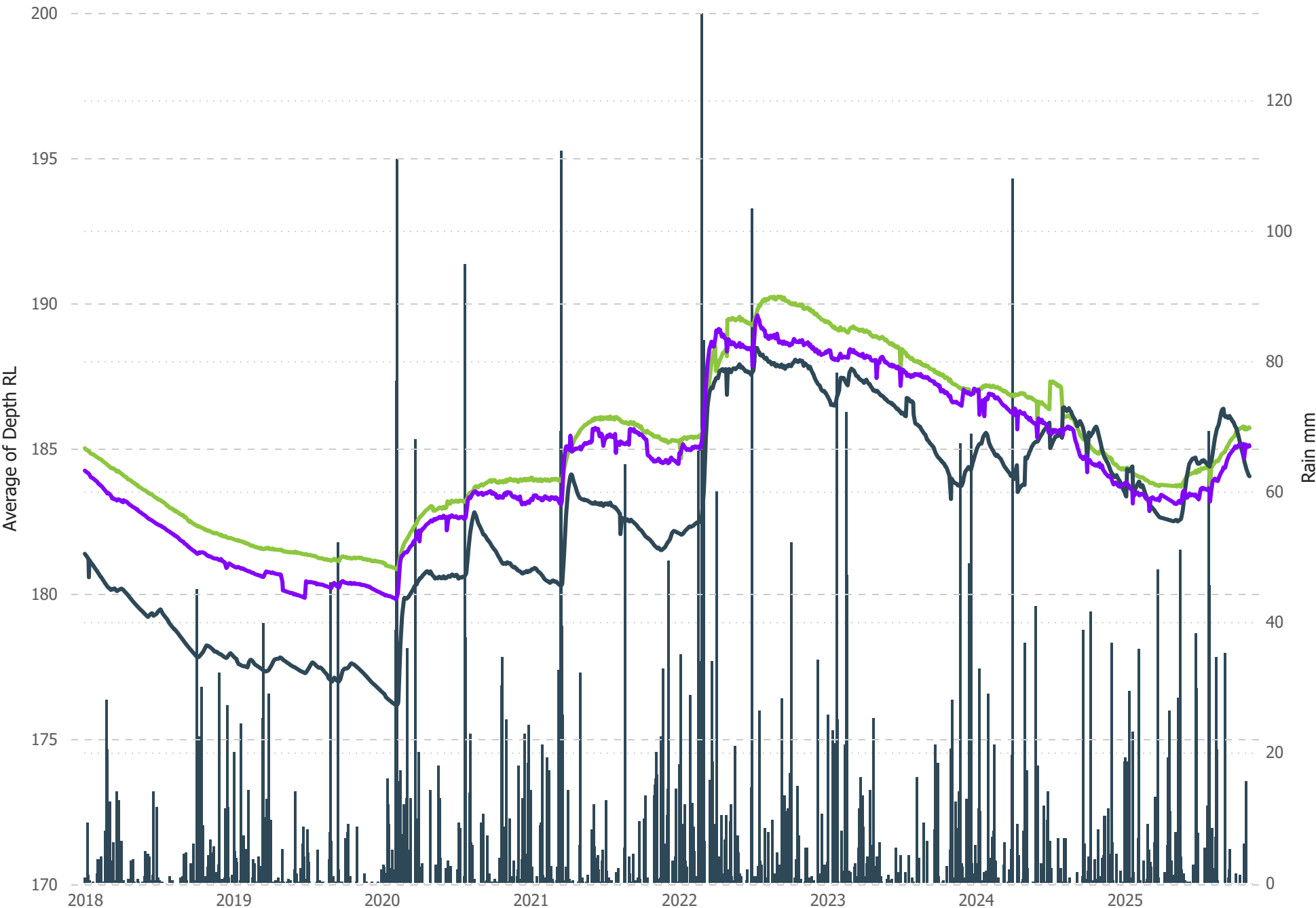


Graph 2: All Groundwater Depths with Rainfall this period

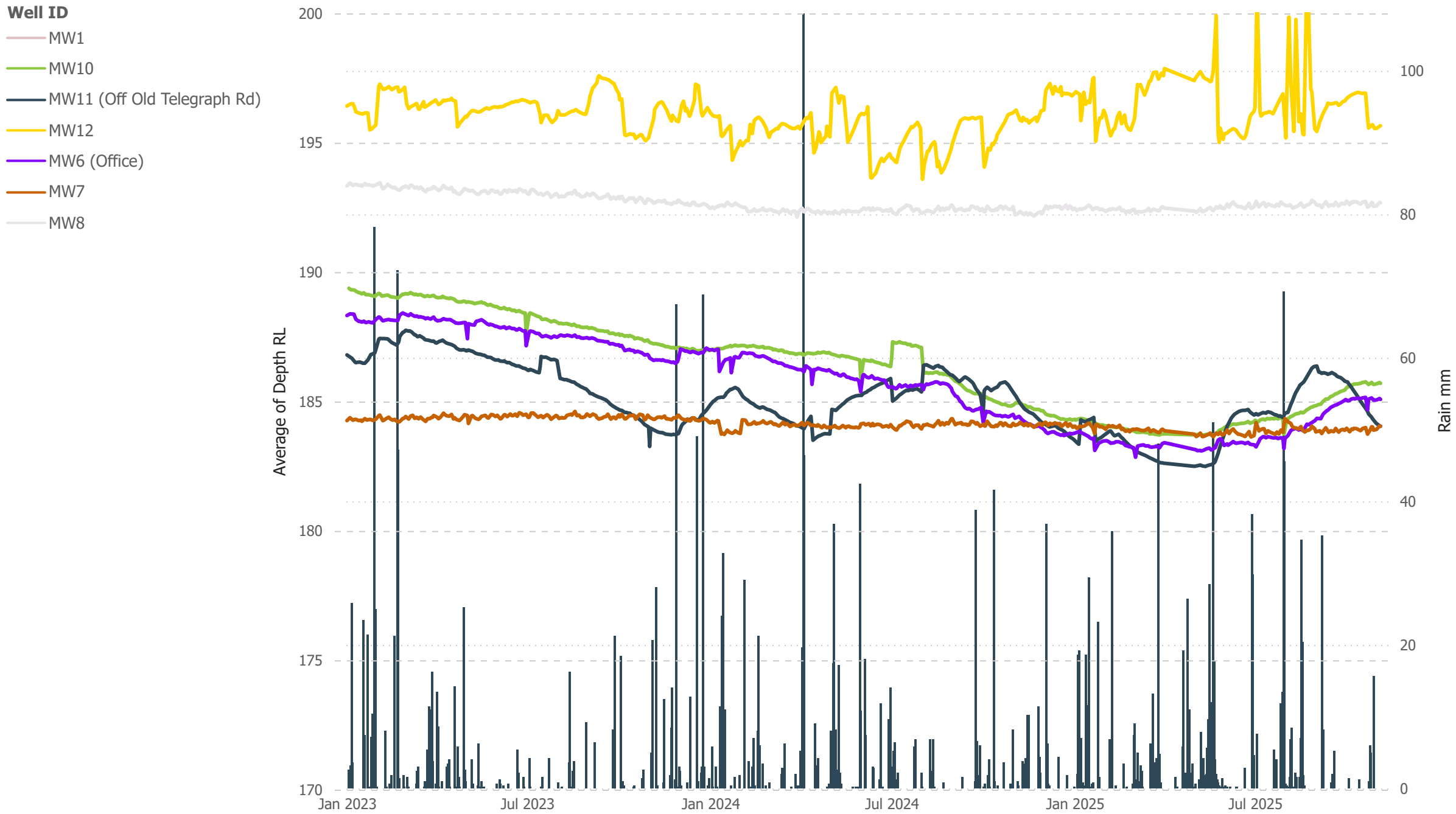


Graph 3: All Groundwater Depths with Rainfall in Maroota Sand

- Well ID**
- MW10
 - MW11 (Off Old Telegraph Rd)
 - MW6 (Office)

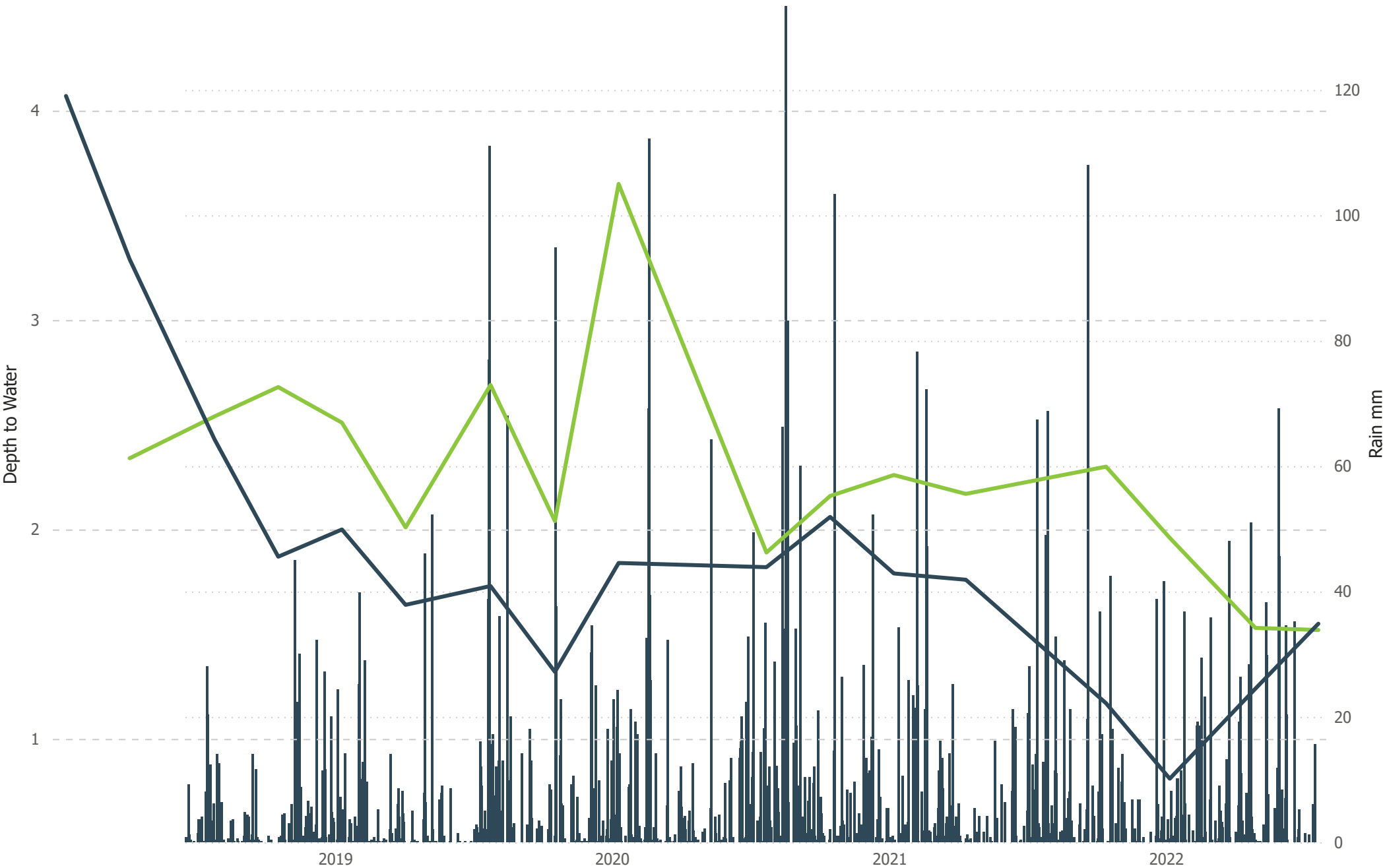


Graph 4: All Groundwater Depths with Rainfall in Hawkesbury Sandstone



Graph 5: Surface Water Depths with Rainfall

Sample
Dam 1 - Process
Dam 2 - Tailings



Weather Station Monitoring

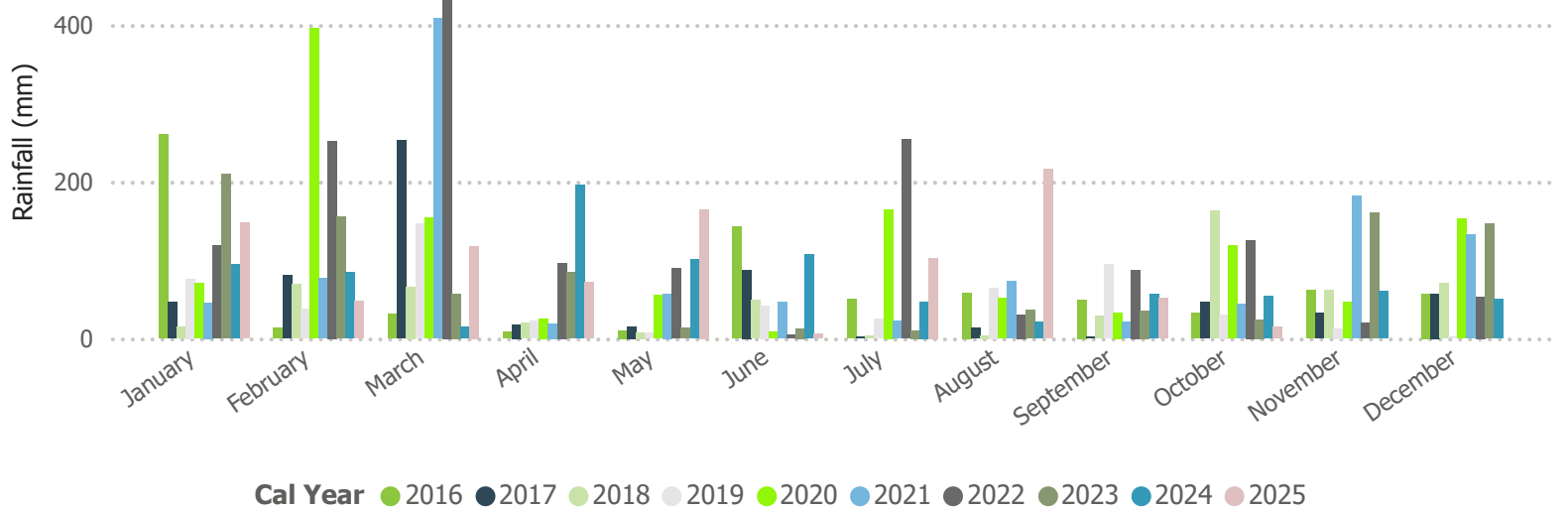
Due to gauge malfunctions, rainfall was not recorded in 2020 until a new weather station was installed onsite 29th May 2020. Where available, daily rainfall received in the interim was been sourced from the Bureau of Meteorology. Temperature monitoring during that period also shows gaps in the data. For modelling and reporting, Bureau of Meteorology averages were used

Weather Trends

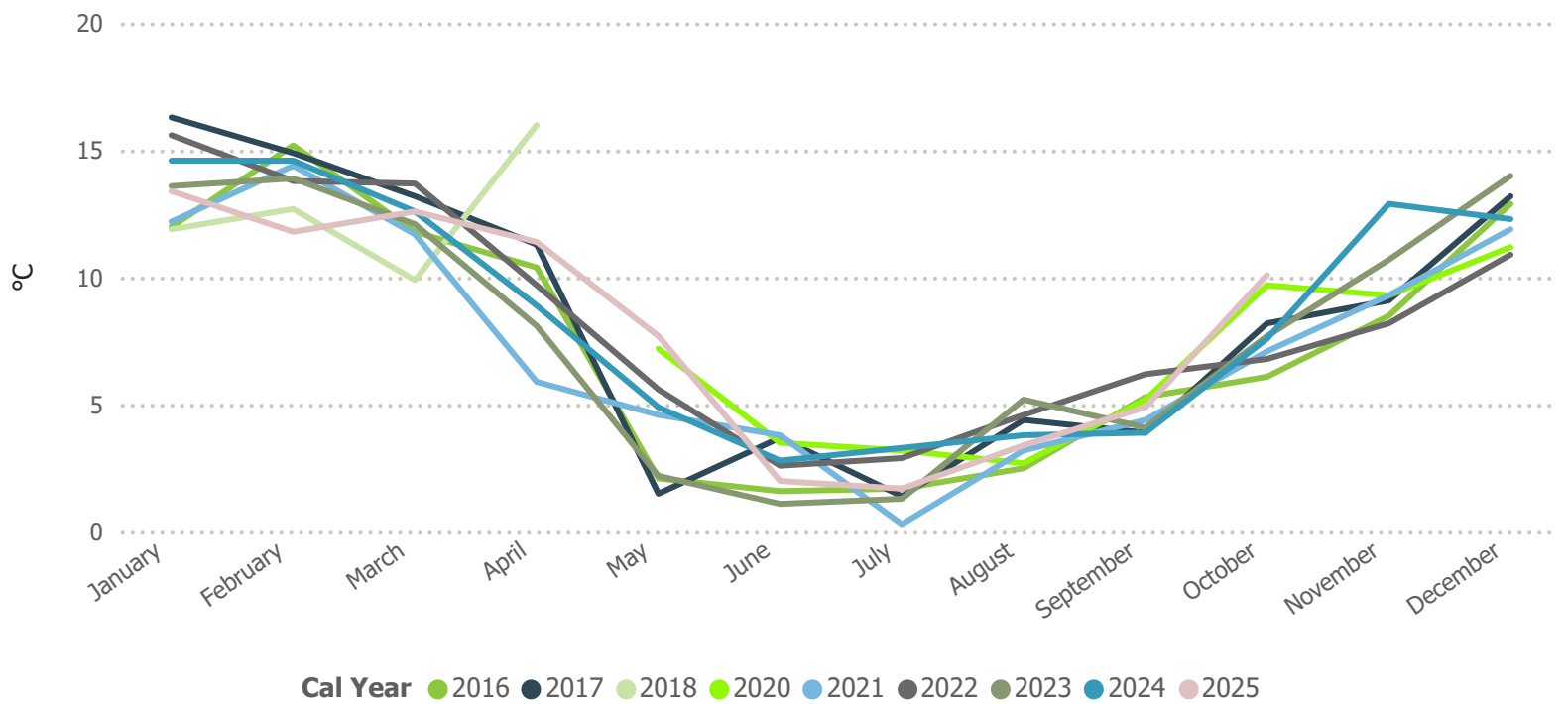
1/01/2016

31/10/2025

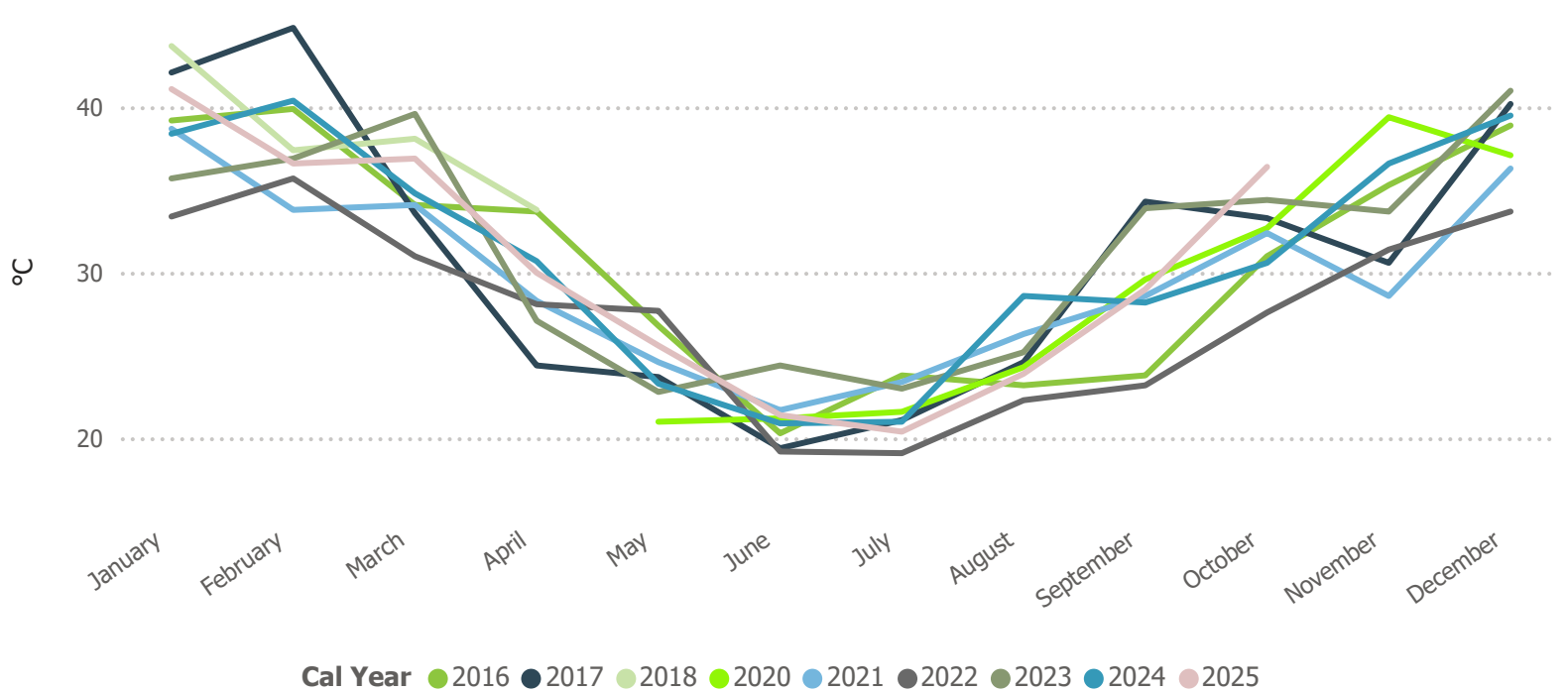
Precipitation



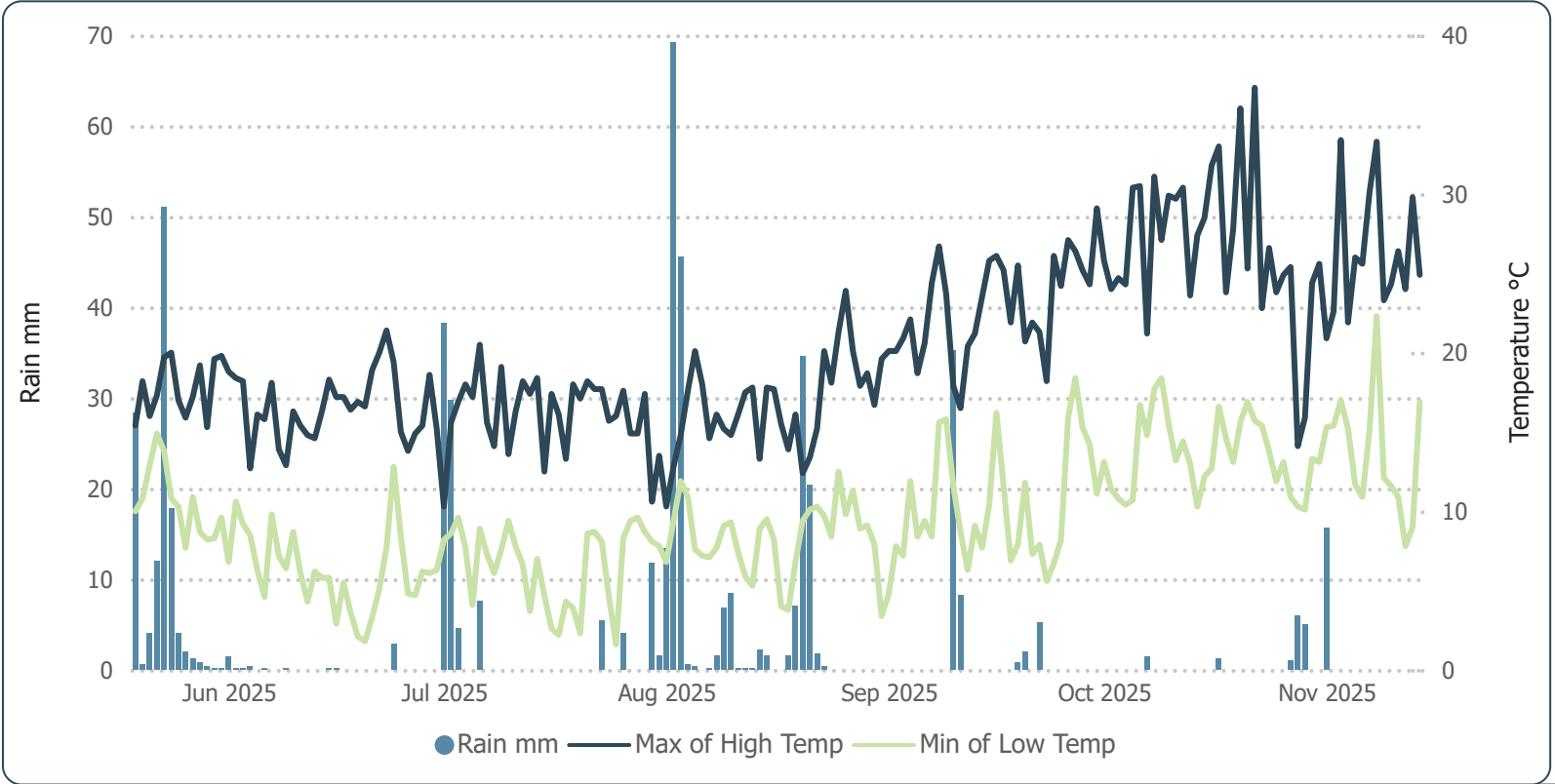
Minimum Temperature



Maximum Temperature



Weather Detail for last 6 months



Precipitation mm

Cal Year	May	June	July	August	September	October	November	Total
2025	122.6	5.8	103.0	216.4	51.4	14.6	15.6	529.4

Minimum Temperature °C

Cal Year	May	June	July	August	September	October	November	Total
2025	7.7	2.0	1.7	3.4	4.9	10.1	7.8	1.7

Average Temperature °C

Cal Year	May	June	July	August	September	October	November	Total
2025	13.9	10.8	11.1	12.0	16.3	19.5	19.3	14.4

Maximum Temperature °C

Cal Year	May	June	July	August	September	October	November	Total
2025	20.0	21.4	20.4	23.9	29.0	36.4	33.3	36.4

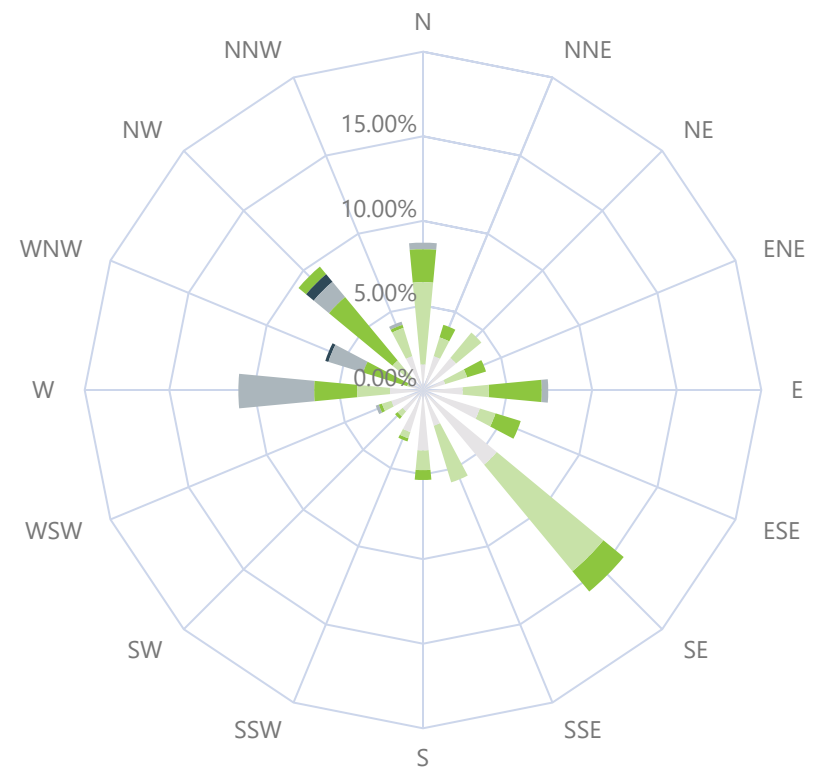
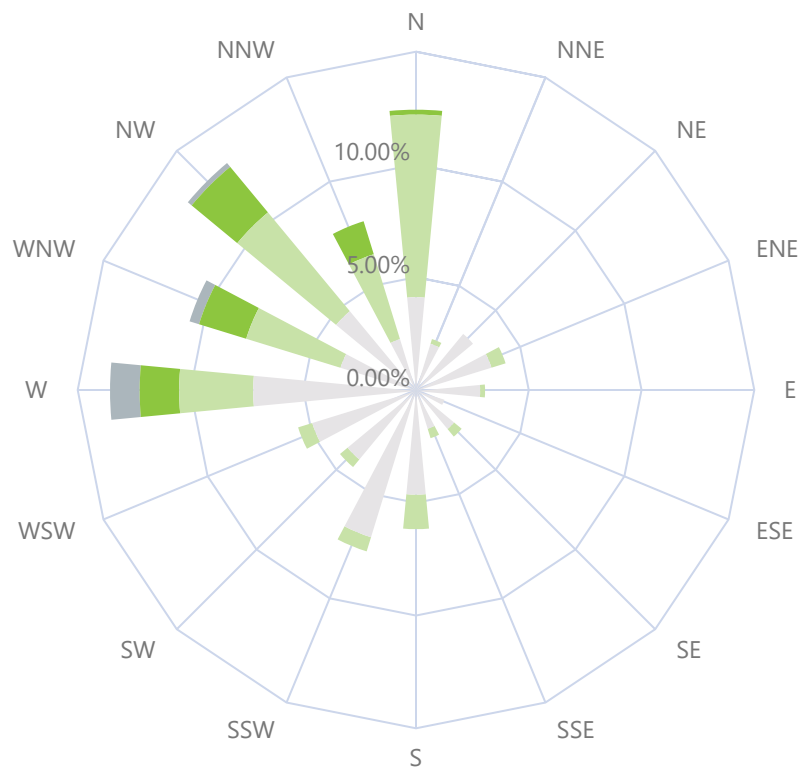
Wind Rose for Last 12 Months

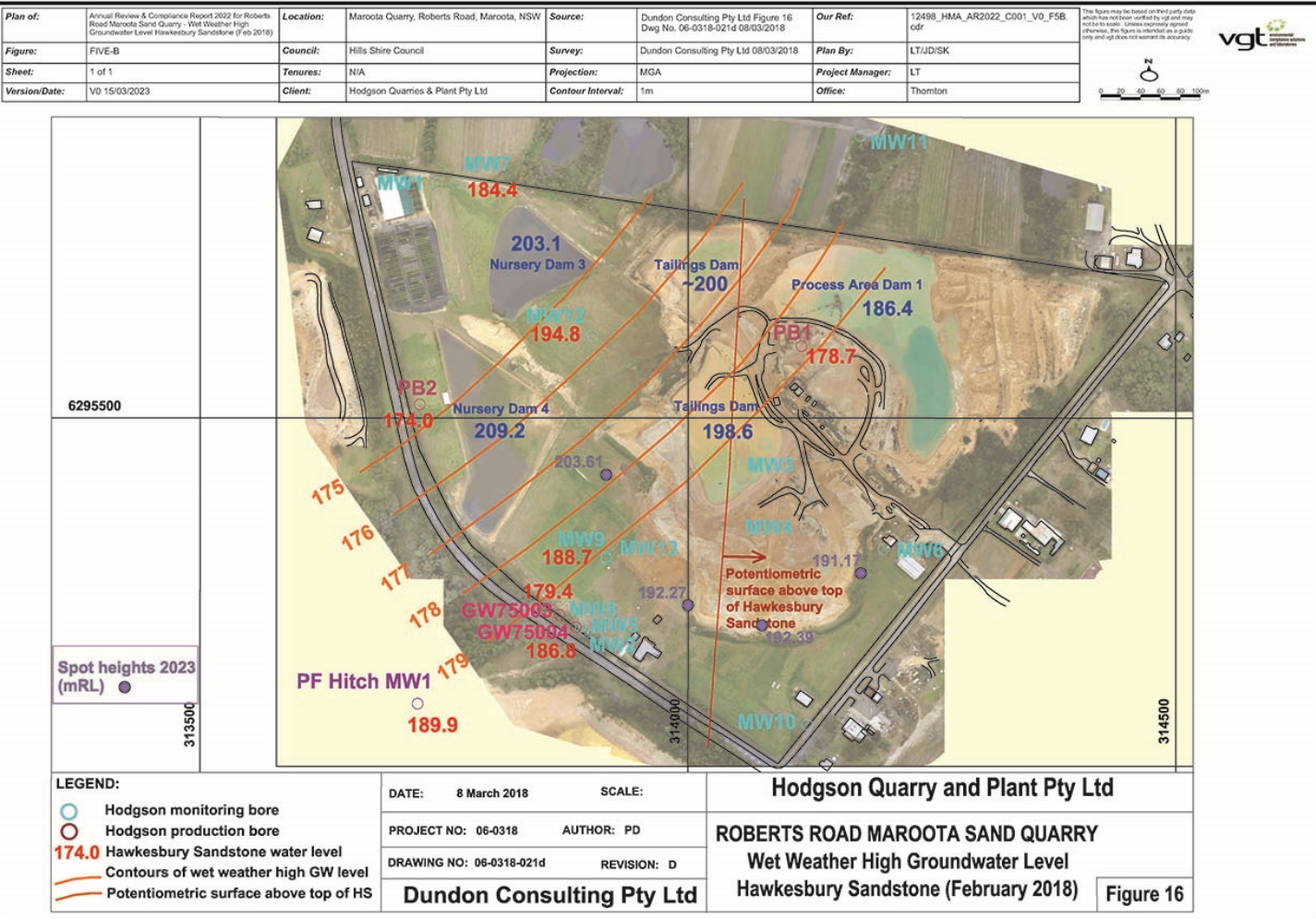
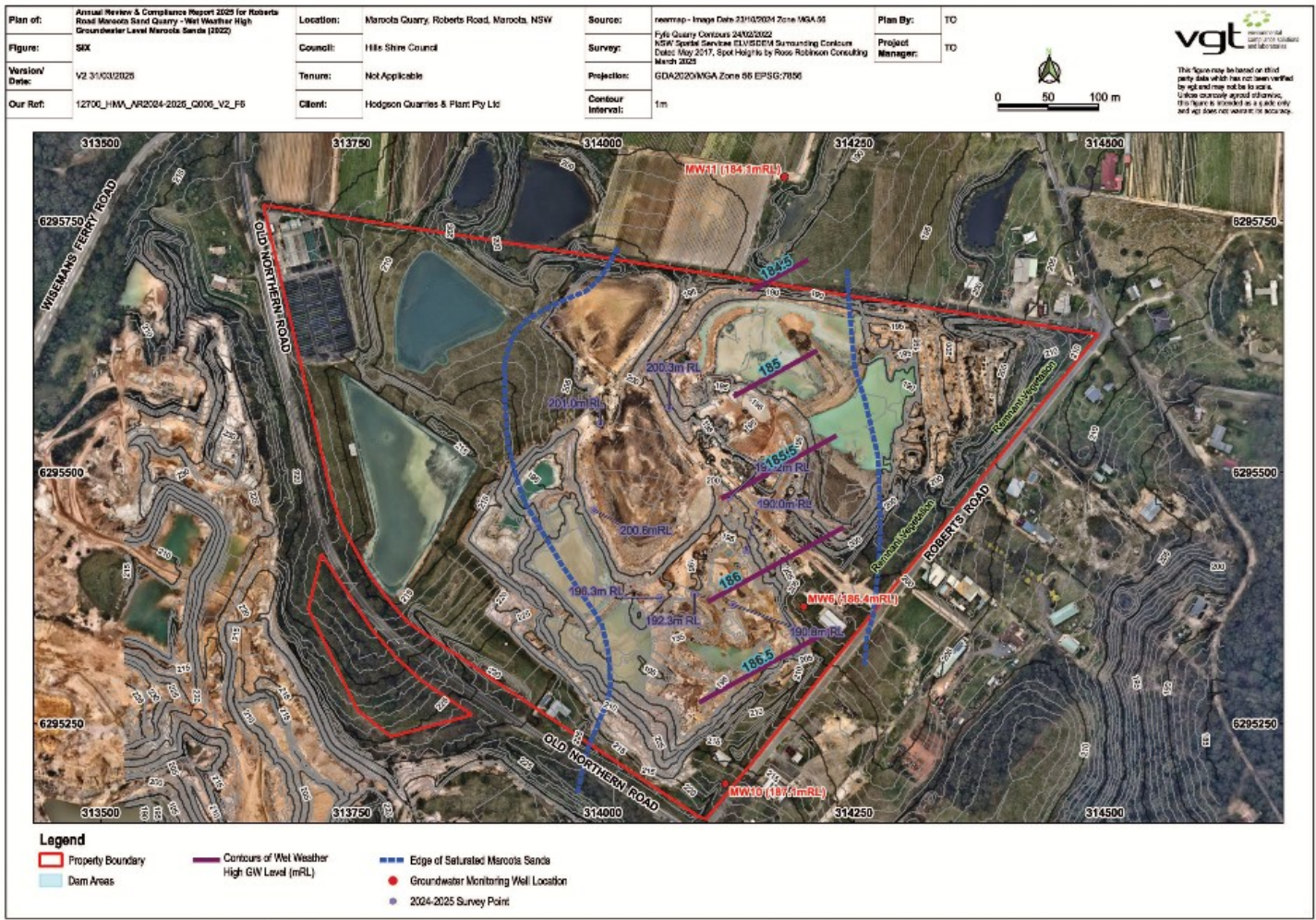
9 am

3 pm

Wind Speed Groups

➤ 0-5 km/h ➤ 5-10 km/h ➤ 10-15 km/h ➤ 15-20 km/h ➤ 20-25 Km/h ➤ 25-30 Km/h ➤ 30+ Km/h

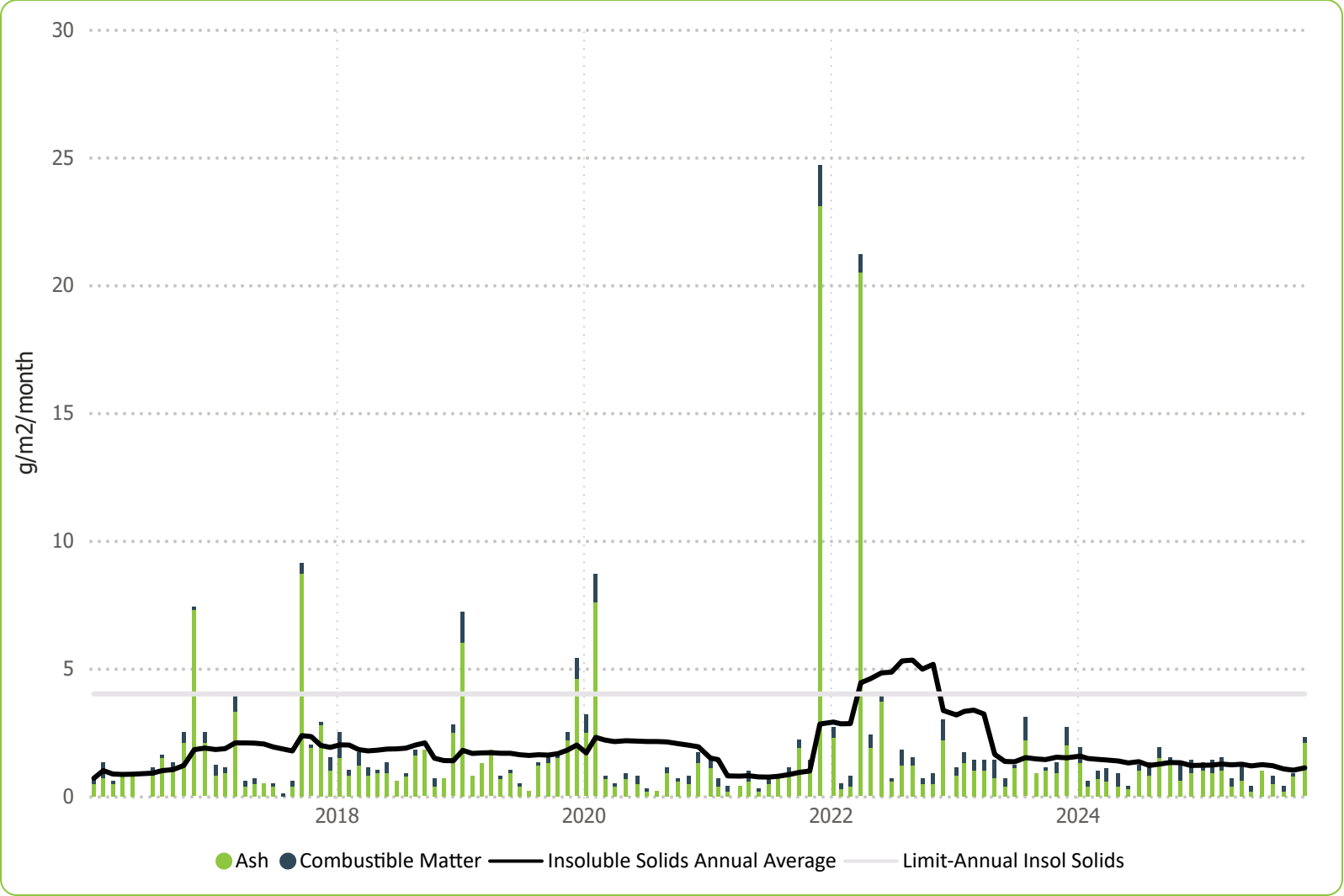




Depositional Dust and Particulate Matter Monitoring

Depositional Dusts last 12 months

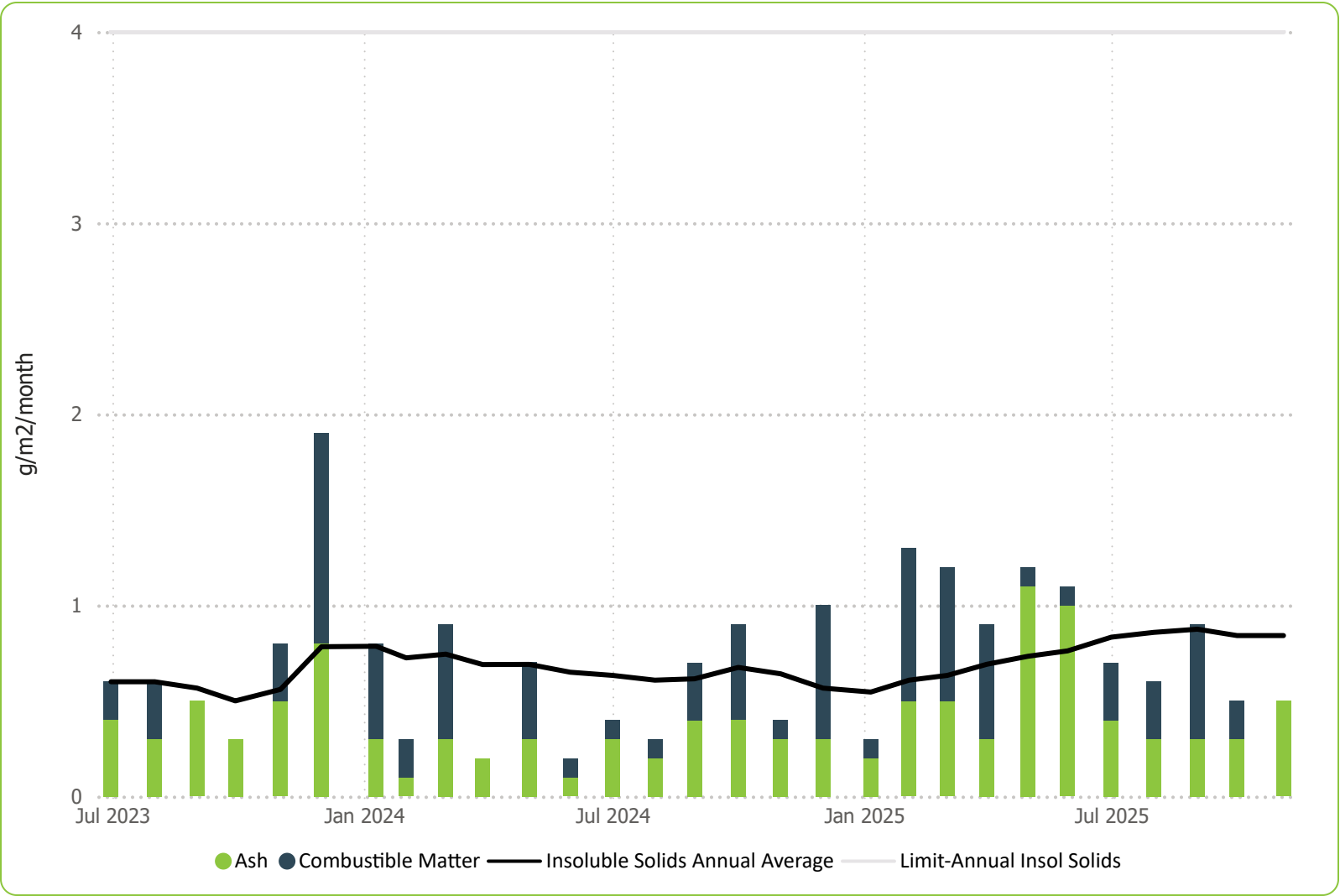
Insoluble Solids
Annual Average
g/m2/month



Date On	Comments	Date Sampled	Days On	Insoluble Solids	Ash	Combustible Matter	Calculated Rain
1/11/24		2/12/24	31	1.4	0.9	0.5	65
2/12/24		6/1/25	35	1.3	1.0	0.3	59
6/01/25	Bottle full of water	3/2/25	28	1.4	0.9	0.5	114
3/02/25		3/3/25	28	1.5	1.0	0.5	48
3/03/25		1/4/25	29	0.7	0.4	0.3	115
1/04/25		1/5/25	30	1.2	0.6	0.6	80
1/05/25		30/5/25	28	0.4	0.2	0.2	115
30/05/25		1/7/25	32	1.0	1.0	0.0	22
1/07/25		1/8/25	31	0.8	0.5	0.3	100
1/08/25		2/9/25	32	0.4	0.2	0.2	115
2/09/25		1/10/25	29	0.9	0.8	0.1	49
1/10/25		4/11/25	28	2.3	2.1	0.2	30

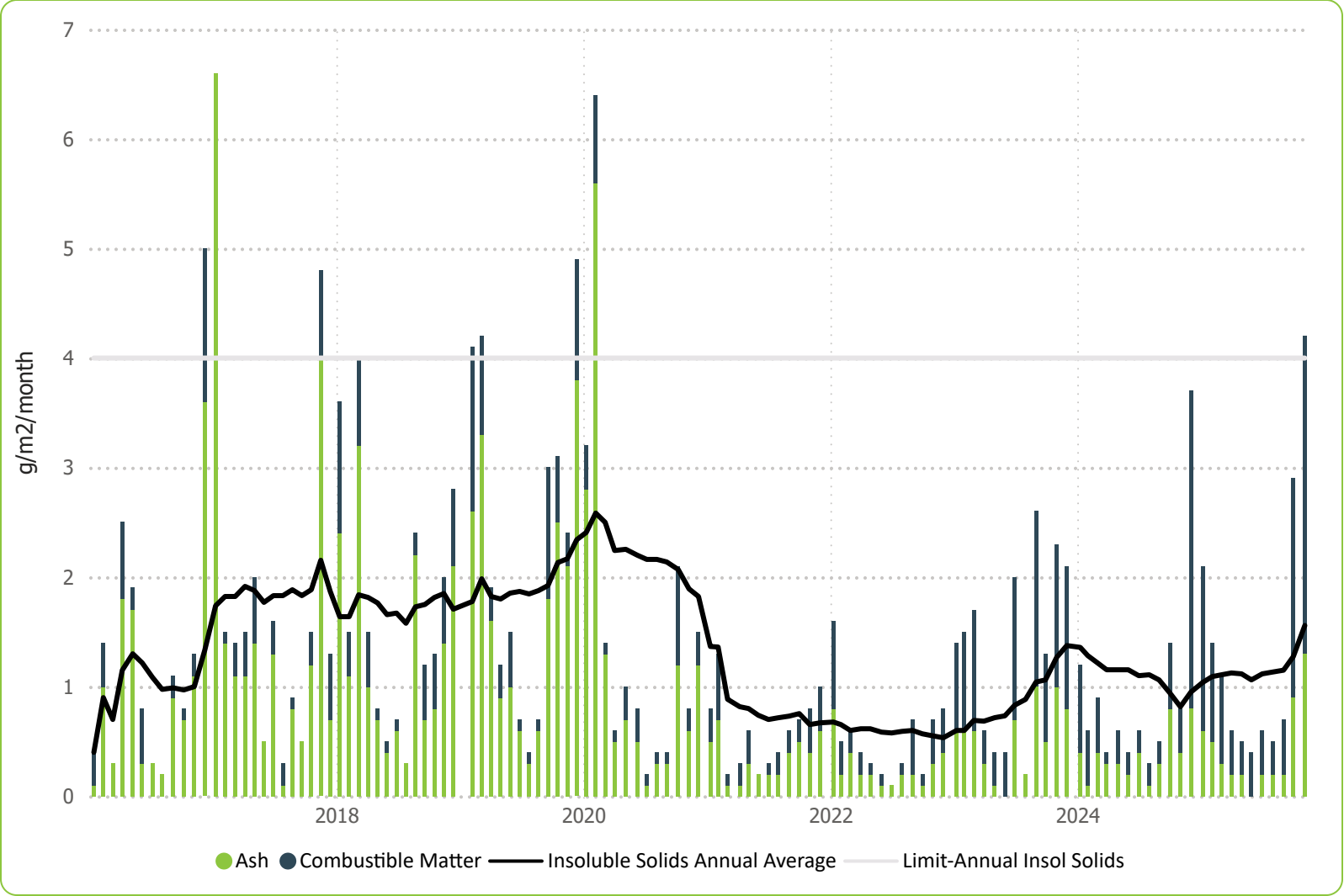
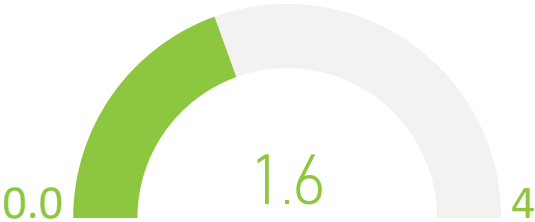


Insoluble Solids
Annual Average
g/m2/month



Date On	Comments	Date Sampled	Days On	Insoluble Solids	Ash	Combustible Matter	Calculated Rain
1/10/24		1/11/24	31	0.4	0.3	0.1	44
1/11/24		2/12/24	31	1.0	0.3	0.7	44
2/12/24		6/1/25	35	0.3	0.2	0.1	24
6/01/25	Bottle full of water	3/2/25	28	1.3	0.5	0.8	114
3/02/25		3/3/25	28	1.2	0.5	0.7	40
3/03/25		1/4/25	29	0.9	0.3	0.6	107
1/04/25		1/5/25	30	1.2	1.1	0.1	78
1/05/25		30/5/25	28	1.1	1.0	0.1	115
30/05/25		1/7/25	32	0.7	0.4	0.3	14
1/07/25		1/8/25	31	0.6	0.3	0.3	86
1/08/25		2/9/25	32	0.9	0.3	0.6	114
2/09/25		1/10/25	29	0.5	0.3	0.2	42
1/10/25		4/11/25	28	0.4	0.5	0.0	26

Insoluble Solids
Annual Average
g/m2/month



Date On	Comments	Date Sampled	Days On	Insoluble Solids	Ash	Combustible Matter	Calculated Rain
1/11/24		2/12/24	31	3.7	0.8	2.9	62
2/12/24		6/1/25	35	2.1	0.6	1.5	31
6/01/25	Bottle full of water	3/2/25	28	1.4	0.5	0.9	116
3/02/25		3/3/25	28	1.1	0.3	0.8	43
3/03/25		1/4/25	29	0.6	0.2	0.4	115
1/04/25		1/5/25	30	0.5	0.2	0.3	80
1/05/25		30/5/25	28	0.4	0.0	0.4	115
30/05/25		1/7/25	32	0.6	0.2	0.4	21
1/07/25		1/8/25	31	0.5	0.2	0.3	96
1/08/25		2/9/25	32	0.7	0.2	0.5	114
2/09/25		1/10/25	29	2.9	0.9	2.0	51
1/10/25		4/11/25	28	4.2	1.3	2.9	32

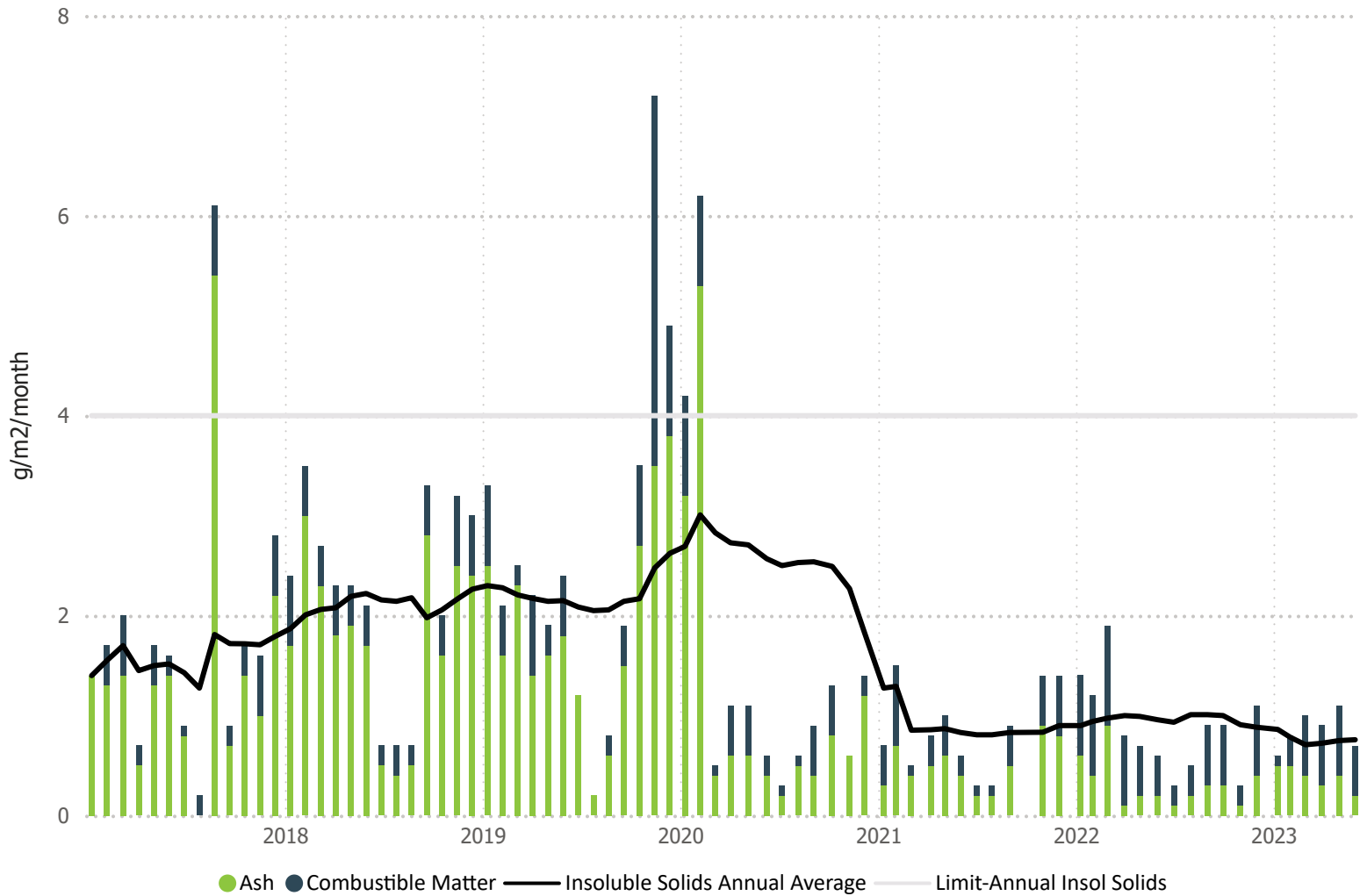
Depositional Dusts last 12 months

D2 North East Corner



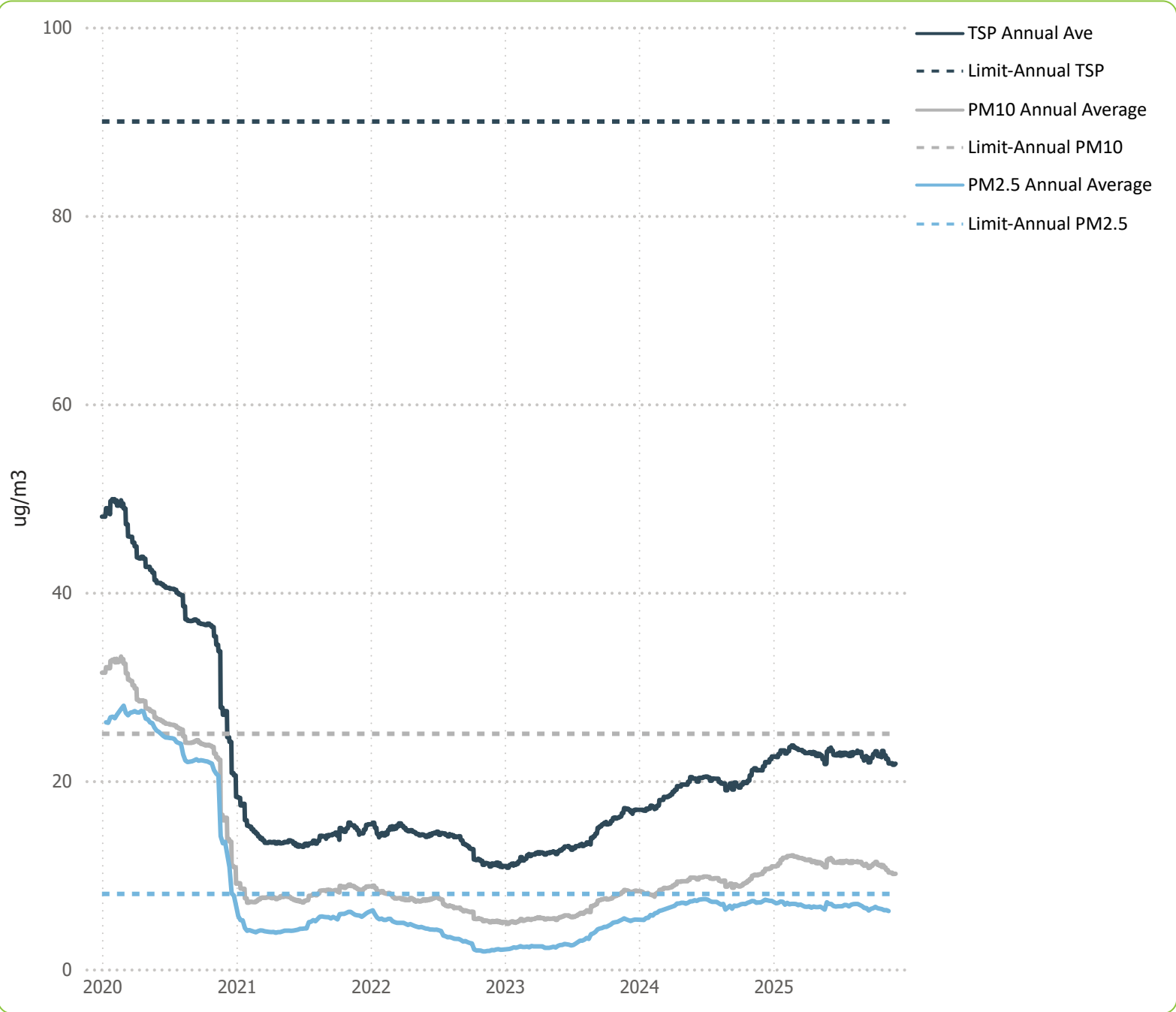
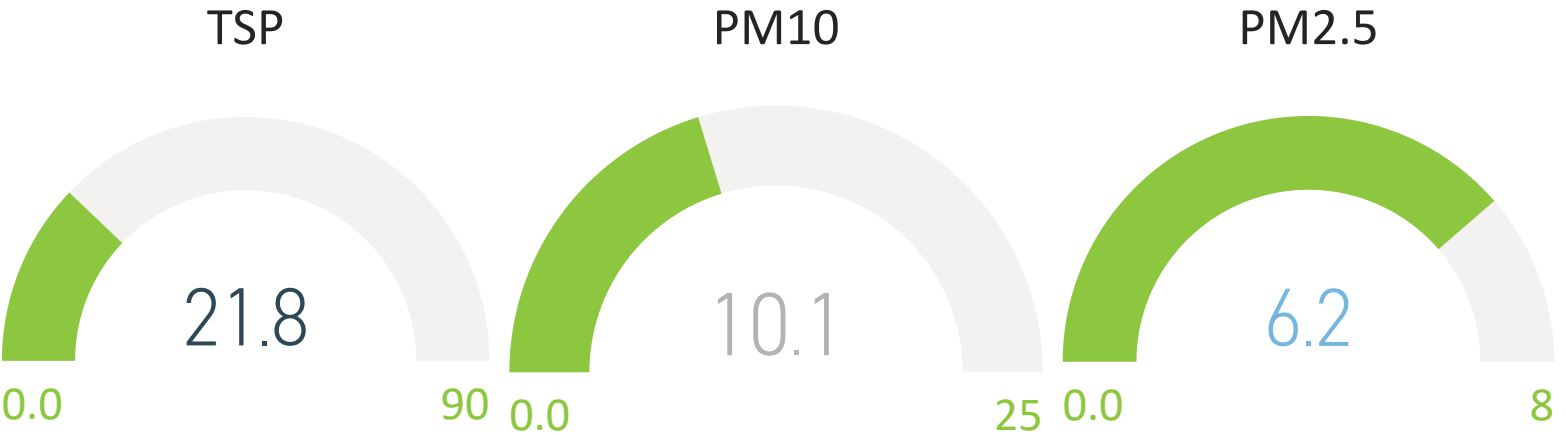
**Insoluble Solids
Annual Average
g/m2/month**

0.0 0.8 4

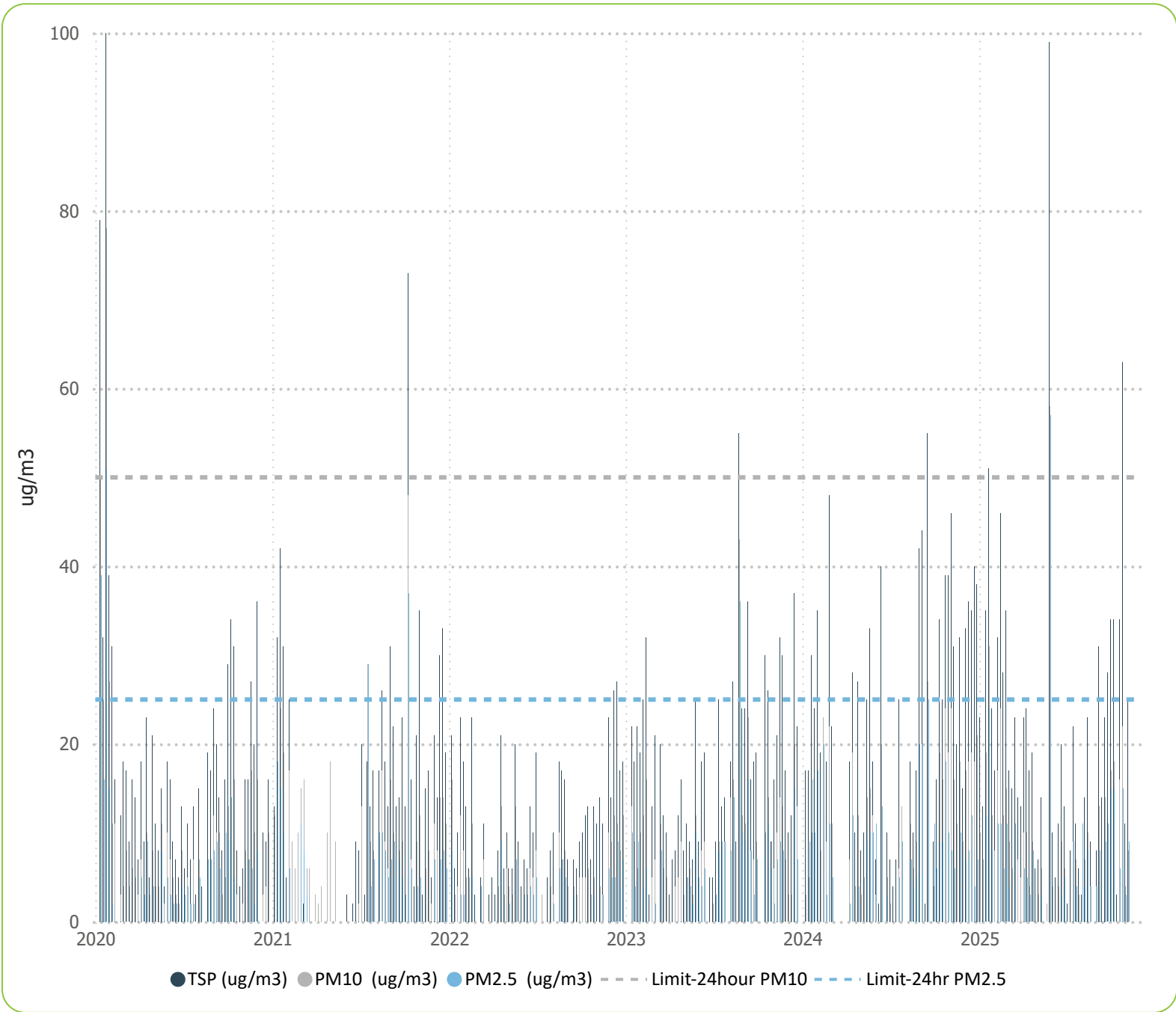


Date On	Comments	Date Sampled	Days On	Insoluble Solids	Ash	Combustible Matter	Calculated Rain
1/06/22	Sampled by Melissa Mass	1/7/22	30	0.3	0.1	0.2	4
1/07/22	Sampled by Melissa Mass. Flooding rainfall event during July.	1/8/22	31	0.5	0.2	0.3	115
1/08/22	Sampled by Melissa Mass.	1/9/22	31	0.9	0.3	0.6	26
1/09/22	Sampled by Melissa Mass.	30/9/22	29	0.9	0.3	0.6	72
30/09/22	Sampled by Melissa Mass.	1/11/22	32	0.3	0.1	0.2	114
1/11/22	Sampled by Melissa Mass.	1/12/22	30	1.1	0.4	0.7	20
1/12/22	Sampled by Melissa Mass.	9/1/23	39	0.6	0.5	0.1	68
9/01/23		1/2/23	23	0.8	0.5	0.3	114
1/02/23	Sampled by M.Mass	1/3/23	28	1.0	0.4	0.6	114
1/03/23	Sampled by M.Mass. Not compliant - Clear sky/ 10m from obstacle	31/3/23	30	0.9	0.3	0.6	47
31/03/23	Sampled by M.Mass.	2/5/23	32	1.1	0.4	0.7	67
2/05/23	Sampled by M.Mass.	1/6/23	30	0.7	0.2	0.5	12

Particulate Matter Annual Averages (µg/m3)



Particulate Matter 24 Hour Averages (µg/m3)



PM10 24 hour exceedances (>50 µg/m3)

Date	PM10 (ug/m3)	Sampling Comments
27/5/25	58	SA Dust storm blew through during run

PM2.5 24 hour exceedances (>25 µg/m3)

Date	PM2.5 (ug/m3)	Sampling Comments
27/5/25	57.00	SA Dust storm blew through during run

Sample

Dam 1 - Process

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
Dam 1 - Process	21/1/25	5.9	262	160	59	12	5.0	4.0	24	2.0
Dam 1 - Process	9/4/25	6.6	219	140	53	11	5.0	4.0	20	2.0
Dam 1 - Process	30/7/25	6.8	184	110	36	14	5.4	3.0	20	2.0
Dam 1 - Process	22/10/25	5.7	181	110	36	16	4.0	3.0	17	2.0

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
Dam 1 - Process	21/1/25	5.9	262	160	59	12	5.0	4.0	24	2.0
Dam 1 - Process	9/4/25	6.6	219	140	53	11	5.0	4.0	20	2.0
Dam 1 - Process	30/7/25	6.8	184	110	36	14	5.4	3.0	20	2.0
Dam 1 - Process	22/10/25	5.7	181	110	36	16	4.0	3.0	17	2.0

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
Dam 1 - Process	21/1/25	5.9	262	160	59	12	5.0	4.0	24	2.0
Dam 1 - Process	9/4/25	6.6	219	140	53	11	5.0	4.0	20	2.0
Dam 1 - Process	30/7/25	6.8	184	110	36	14	5.4	3.0	20	2.0
Dam 1 - Process	22/10/25	5.7	181	110	36	16	4.0	3.0	17	2.0

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
Dam 1 - Process	21/1/25	5.9	262	160	59	12	5.0	4.0	24	2.0
Dam 1 - Process	9/4/25	6.6	219	140	53	11	5.0	4.0	20	2.0
Dam 1 - Process	30/7/25	6.8	184	110	36	14	5.4	3.0	20	2.0
Dam 1 - Process	22/10/25	5.7	181	110	36	16	4.0	3.0	17	2.0

Sample

Dam 2 - Tailings

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
Dam 2 - Tailings	21/1/25	4.4	248	150	56	8	3.0	3.0	26	2.0
Dam 2 - Tailings	9/4/25	4.3	209	130	51	7	4.0	4.0	18	2.0
Dam 2 - Tailings	30/7/25	4.0	264	160	66	3	1.0	5.7	31	1.0
Dam 2 - Tailings	22/10/25	4.6	205	130	44	7	3.0	4.0	18	2.0

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
Dam 2 - Tailings	21/1/25	4.4	248	150	56	8	3.0	3.0	26	2.0
Dam 2 - Tailings	9/4/25	4.3	209	130	51	7	4.0	4.0	18	2.0
Dam 2 - Tailings	30/7/25	4.0	264	160	66	3	1.0	5.7	31	1.0
Dam 2 - Tailings	22/10/25	4.6	205	130	44	7	3.0	4.0	18	2.0

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
Dam 2 - Tailings	21/1/25	4.4	248	150	56	8	3.0	3.0	26	2.0
Dam 2 - Tailings	9/4/25	4.3	209	130	51	7	4.0	4.0	18	2.0
Dam 2 - Tailings	30/7/25	4.0	264	160	66	3	1.0	5.7	31	1.0
Dam 2 - Tailings	22/10/25	4.6	205	130	44	7	3.0	4.0	18	2.0

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
Dam 2 - Tailings	21/1/25	4.4	248	150	56	8	3.0	3.0	26	2.0
Dam 2 - Tailings	9/4/25	4.3	209	130	51	7	4.0	4.0	18	2.0
Dam 2 - Tailings	30/7/25	4.0	264	160	66	3	1.0	5.7	31	1.0
Dam 2 - Tailings	22/10/25	4.6	205	130	44	7	3.0	4.0	18	2.0

Sample

Dam 3 - Nursery

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
Dam 3 - Nursery	21/1/25	7.9	234	150	46	7	5.4	4.0	20	5.1
Dam 3 - Nursery	9/4/25	6.2	216	130	50	6	5.8	5.3	19	5.0
Dam 3 - Nursery	30/7/25	5.8	173	110	37	6	3.0	4.0	18	3.0
Dam 3 - Nursery	22/10/25	6.4	167	100	36	7	4.0	4.0	15	3.0

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
Dam 3 - Nursery	21/1/25	7.9	234	150	46	7	5.4	4.0	20	5.1
Dam 3 - Nursery	9/4/25	6.2	216	130	50	6	5.8	5.3	19	5.0
Dam 3 - Nursery	30/7/25	5.8	173	110	37	6	3.0	4.0	18	3.0
Dam 3 - Nursery	22/10/25	6.4	167	100	36	7	4.0	4.0	15	3.0

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
Dam 3 - Nursery	21/1/25	7.9	234	150	46	7	5.4	4.0	20	5.1
Dam 3 - Nursery	9/4/25	6.2	216	130	50	6	5.8	5.3	19	5.0
Dam 3 - Nursery	30/7/25	5.8	173	110	37	6	3.0	4.0	18	3.0
Dam 3 - Nursery	22/10/25	6.4	167	100	36	7	4.0	4.0	15	3.0

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
Dam 3 - Nursery	21/1/25	7.9	234	150	46	7	5.4	4.0	20	5.1
Dam 3 - Nursery	9/4/25	6.2	216	130	50	6	5.8	5.3	19	5.0
Dam 3 - Nursery	30/7/25	5.8	173	110	37	6	3.0	4.0	18	3.0
Dam 3 - Nursery	22/10/25	6.4	167	100	36	7	4.0	4.0	15	3.0

Sample

Dam 4 - Farm

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
Dam 4 - Farm	21/1/25	9.8	148	92	23	10	3.0	2.0	11	4.0
Dam 4 - Farm	9/4/25	8.8	212	130	31	2	6.6	5.7	15	13.0
Dam 4 - Farm	30/7/25	6.1	123	77	24	3	3.0	3.0	13	4.0
Dam 4 - Farm	22/10/25	6.4	138	86	27	4	3.0	3.0	13	4.0

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
Dam 4 - Farm	21/1/25	9.8	148	92	23	10	3.0	2.0	11	4.0
Dam 4 - Farm	9/4/25	8.8	212	130	31	2	6.6	5.7	15	13.0
Dam 4 - Farm	30/7/25	6.1	123	77	24	3	3.0	3.0	13	4.0
Dam 4 - Farm	22/10/25	6.4	138	86	27	4	3.0	3.0	13	4.0

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
Dam 4 - Farm	21/1/25	9.8	148	92	23	10	3.0	2.0	11	4.0
Dam 4 - Farm	9/4/25	8.8	212	130	31	2	6.6	5.7	15	13.0
Dam 4 - Farm	30/7/25	6.1	123	77	24	3	3.0	3.0	13	4.0
Dam 4 - Farm	22/10/25	6.4	138	86	27	4	3.0	3.0	13	4.0

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
Dam 4 - Farm	21/1/25	9.8	148	92	23	10	3.0	2.0	11	4.0
Dam 4 - Farm	9/4/25	8.8	212	130	31	2	6.6	5.7	15	13.0
Dam 4 - Farm	30/7/25	6.1	123	77	24	3	3.0	3.0	13	4.0
Dam 4 - Farm	22/10/25	6.4	138	86	27	4	3.0	3.0	13	4.0

Sample

MW1

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
MW1	21/1/25	4.1	376	230	48	38	9.3	16.0	18	7.3
MW1	9/4/25	4.1	332	210	40	30	9.1	15.0	13	6.0
MW1	30/7/25	4.5	305	190	47	16	6.5	11.0	20	4.0
MW1	22/10/25	4.7	274	170	52	13	5.0	9.1	20	3.0

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
MW1	21/1/25	4.1	376	230	48	38	9.3	16.0	18	7.3
MW1	9/4/25	4.1	332	210	40	30	9.1	15.0	13	6.0
MW1	30/7/25	4.5	305	190	47	16	6.5	11.0	20	4.0
MW1	22/10/25	4.7	274	170	52	13	5.0	9.1	20	3.0

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
MW1	21/1/25	4.1	376	230	48	38	9.3	16.0	18	7.3
MW1	9/4/25	4.1	332	210	40	30	9.1	15.0	13	6.0
MW1	30/7/25	4.5	305	190	47	16	6.5	11.0	20	4.0
MW1	22/10/25	4.7	274	170	52	13	5.0	9.1	20	3.0

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
MW1	21/1/25	4.1	376	230	48	38	9.3	16.0	18	7.3
MW1	9/4/25	4.1	332	210	40	30	9.1	15.0	13	6.0
MW1	30/7/25	4.5	305	190	47	16	6.5	11.0	20	4.0
MW1	22/10/25	4.7	274	170	52	13	5.0	9.1	20	3.0

Sample

MW10

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
MW10	21/1/25	4.3	202	130	54	2	0.0	5.0	20	0.9
MW10	9/4/25	4.3	173	110	38	0	0.7	5.3	12	0.7
MW10	30/7/25	4.6	148	92	33	0	1.0	5.0	13	0.9
MW10	22/10/25	4.5	143	89	32	0	0.5	5.0	11	1.0

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
MW10	21/1/25	4.3	202	130	54	2	0.0	5.0	20	0.9
MW10	9/4/25	4.3	173	110	38	0	0.7	5.3	12	0.7
MW10	30/7/25	4.6	148	92	33	0	1.0	5.0	13	0.9
MW10	22/10/25	4.5	143	89	32	0	0.5	5.0	11	1.0

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
MW10	21/1/25	4.3	202	130	54	2	0.0	5.0	20	0.9
MW10	9/4/25	4.3	173	110	38	0	0.7	5.3	12	0.7
MW10	30/7/25	4.6	148	92	33	0	1.0	5.0	13	0.9
MW10	22/10/25	4.5	143	89	32	0	0.5	5.0	11	1.0

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
MW10	21/1/25	4.3	202	130	54	2	0.0	5.0	20	0.9
MW10	9/4/25	4.3	173	110	38	0	0.7	5.3	12	0.7
MW10	30/7/25	4.6	148	92	33	0	1.0	5.0	13	0.9
MW10	22/10/25	4.5	143	89	32	0	0.5	5.0	11	1.0

Sample

▼

MW11 (Off Old Telegraph Rd)▼

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
MW11 (Off Old Telegraph Rd)	21/1/25	5.3	154	96	37	3	3.0	2.0	16	3.0
MW11 (Off Old Telegraph Rd)	9/4/25	5.5	184	110	40	4	5.2	3.0	15	3.0
MW11 (Off Old Telegraph Rd)	30/7/25	5.8	243	150	40	21	15.0	5.3	20	5.0
MW11 (Off Old Telegraph Rd)	22/10/25	5.9	238	150	37	20	16.0	5.0	16	4.0

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
MW11 (Off Old Telegraph Rd)	21/1/25	5.3	154	96	37	3	3.0	2.0	16	3.0
MW11 (Off Old Telegraph Rd)	9/4/25	5.5	184	110	40	4	5.2	3.0	15	3.0
MW11 (Off Old Telegraph Rd)	30/7/25	5.8	243	150	40	21	15.0	5.3	20	5.0
MW11 (Off Old Telegraph Rd)	22/10/25	5.9	238	150	37	20	16.0	5.0	16	4.0

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
MW11 (Off Old Telegraph Rd)	21/1/25	5.3	154	96	37	3	3.0	2.0	16	3.0
MW11 (Off Old Telegraph Rd)	9/4/25	5.5	184	110	40	4	5.2	3.0	15	3.0
MW11 (Off Old Telegraph Rd)	30/7/25	5.8	243	150	40	21	15.0	5.3	20	5.0
MW11 (Off Old Telegraph Rd)	22/10/25	5.9	238	150	37	20	16.0	5.0	16	4.0

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
MW11 (Off Old Telegraph Rd)	21/1/25	5.3	154	96	37	3	3.0	2.0	16	3.0
MW11 (Off Old Telegraph Rd)	9/4/25	5.5	184	110	40	4	5.2	3.0	15	3.0
MW11 (Off Old Telegraph Rd)	30/7/25	5.8	243	150	40	21	15.0	5.3	20	5.0
MW11 (Off Old Telegraph Rd)	22/10/25	5.9	238	150	37	20	16.0	5.0	16	4.0

Sample

MW12

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
MW12	21/1/25	4.6	121	76	25	8	2.0	2.0	14	1.0
MW12	9/4/25	5.8	129	81	23	4	3.0	2.0	10	0.8
MW12	30/7/25	5.0	114	71	22	6	3.0	1.0	14	0.7
MW12	22/10/25	4.7	111	69	22	7	1.0	2.0	12	0.8

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
MW12	21/1/25	4.6	121	76	25	8	2.0	2.0	14	1.0
MW12	9/4/25	5.8	129	81	23	4	3.0	2.0	10	0.8
MW12	30/7/25	5.0	114	71	22	6	3.0	1.0	14	0.7
MW12	22/10/25	4.7	111	69	22	7	1.0	2.0	12	0.8

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
MW12	21/1/25	4.6	121	76	25	8	2.0	2.0	14	1.0
MW12	9/4/25	5.8	129	81	23	4	3.0	2.0	10	0.8
MW12	30/7/25	5.0	114	71	22	6	3.0	1.0	14	0.7
MW12	22/10/25	4.7	111	69	22	7	1.0	2.0	12	0.8

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
MW12	21/1/25	4.6	121	76	25	8	2.0	2.0	14	1.0
MW12	9/4/25	5.8	129	81	23	4	3.0	2.0	10	0.8
MW12	30/7/25	5.0	114	71	22	6	3.0	1.0	14	0.7
MW12	22/10/25	4.7	111	69	22	7	1.0	2.0	12	0.8

Sample

MW6 (Office)

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
MW6 (Office)	21/1/25	7.3	342	210	81	0	4.0	3.0	54	2.0
MW6 (Office)	9/4/25	7.2	331	210	80	0	4.0	3.0	36	2.0
MW6 (Office)	30/7/25	8.2	323	200	78	0	4.0	3.0	46	2.0
MW6 (Office)	22/10/25	8.0	292	180	69	0	4.0	4.0	37	2.0

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
MW6 (Office)	21/1/25	7.3	342	210	81	0	4.0	3.0	54	2.0
MW6 (Office)	9/4/25	7.2	331	210	80	0	4.0	3.0	36	2.0
MW6 (Office)	30/7/25	8.2	323	200	78	0	4.0	3.0	46	2.0
MW6 (Office)	22/10/25	8.0	292	180	69	0	4.0	4.0	37	2.0

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
MW6 (Office)	21/1/25	7.3	342	210	81	0	4.0	3.0	54	2.0
MW6 (Office)	9/4/25	7.2	331	210	80	0	4.0	3.0	36	2.0
MW6 (Office)	30/7/25	8.2	323	200	78	0	4.0	3.0	46	2.0
MW6 (Office)	22/10/25	8.0	292	180	69	0	4.0	4.0	37	2.0

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
MW6 (Office)	21/1/25	7.3	342	210	81	0	4.0	3.0	54	2.0
MW6 (Office)	9/4/25	7.2	331	210	80	0	4.0	3.0	36	2.0
MW6 (Office)	30/7/25	8.2	323	200	78	0	4.0	3.0	46	2.0
MW6 (Office)	22/10/25	8.0	292	180	69	0	4.0	4.0	37	2.0

Sample

MW7

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
MW7	21/1/25	5.5	177	110	72	3	3.0	2.0	21	1.0
MW7	9/4/25	5.4	176	110	30	6	3.0	2.0	19	0.7
MW7	30/7/25	4.8	235	150	48	6	6.3	4.0	29	1.0
MW7	22/10/25	5.2	176	110	30	5	3.0	3.0	19	0.8

Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
MW7	21/1/25	5.5	177	110	72	3	3.0	2.0	21	1.0
MW7	9/4/25	5.4	176	110	30	6	3.0	2.0	19	0.7
MW7	30/7/25	4.8	235	150	48	6	6.3	4.0	29	1.0
MW7	22/10/25	5.2	176	110	30	5	3.0	3.0	19	0.8

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
MW7	21/1/25	5.5	177	110	72	3	3.0	2.0	21	1.0
MW7	9/4/25	5.4	176	110	30	6	3.0	2.0	19	0.7
MW7	30/7/25	4.8	235	150	48	6	6.3	4.0	29	1.0
MW7	22/10/25	5.2	176	110	30	5	3.0	3.0	19	0.8

Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
MW7	21/1/25	5.5	177	110	72	3	3.0	2.0	21	1.0
MW7	9/4/25	5.4	176	110	30	6	3.0	2.0	19	0.7
MW7	30/7/25	4.8	235	150	48	6	6.3	4.0	29	1.0
MW7	22/10/25	5.2	176	110	30	5	3.0	3.0	19	0.8

Sample

MW8

Sample	Date	pH	Electrical Conductivity	Total Dissolved Solids	Chloride	Sulphate	Calcium	Magnesium	Sodium	Potassium
MW8	21/1/25	4.2	219	140	71	2	0.8	3.0	25	0.0
MW8	9/4/25	4.2	236	150	60	1	2.0	4.0	21	0.0
MW8	30/7/25	4.3	246	150	60	1	2.0	3.0	27	0.0
MW8	22/10/25	4.2	244	150	60	1	0.8	3.0	25	0.0

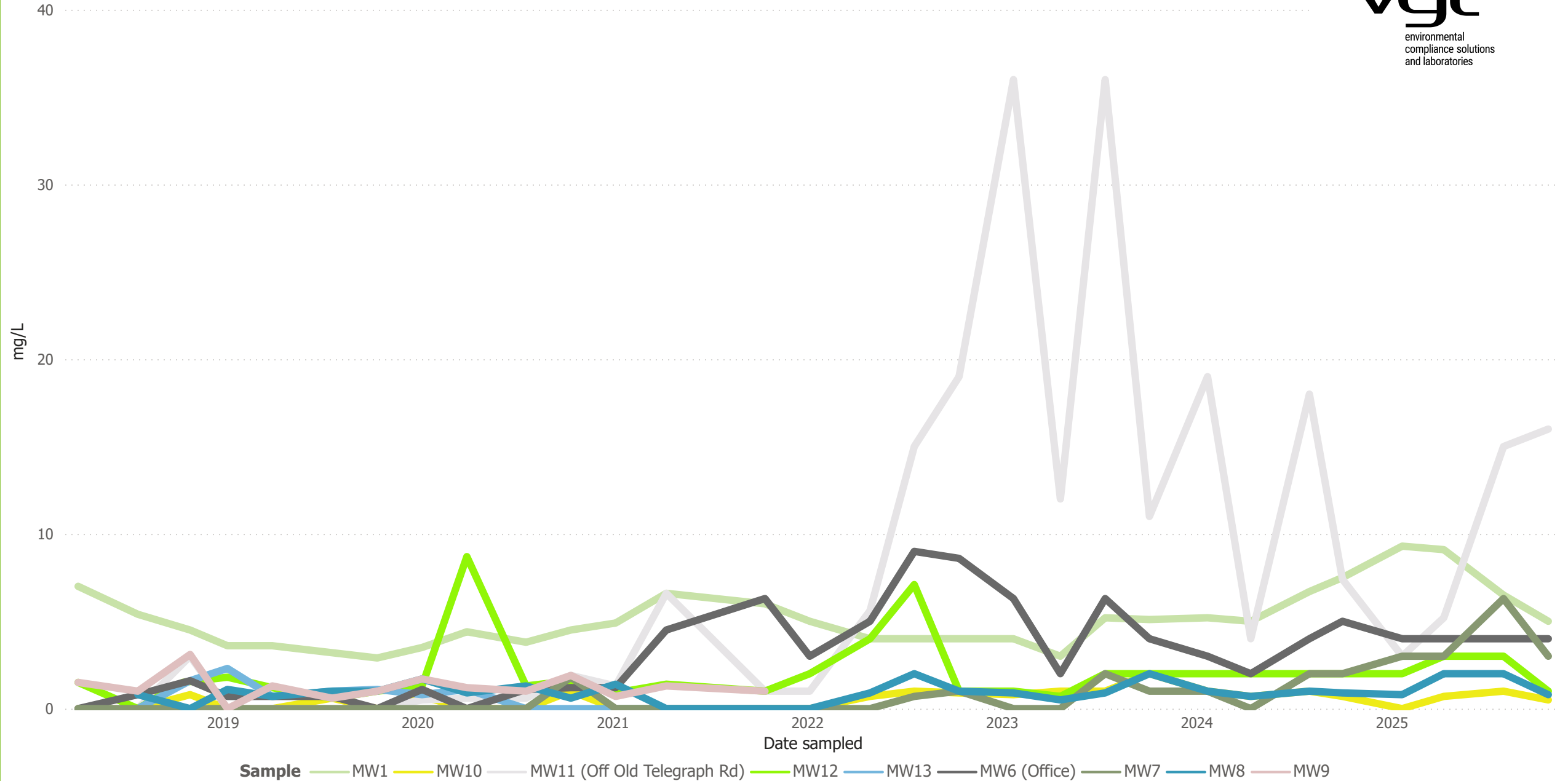
Sample	Date	Average of pH	Average of Electrical Conductivity	Average of Total Dissolved Solids	Average of Chloride	Average of Sulphate	Average of Calcium	Average of Magnesium	Average of Sodium	Average of Potassium
MW8	21/1/25	4.2	219	140	71	2	0.8	3.0	25	0.0
MW8	9/4/25	4.2	236	150	60	1	2.0	4.0	21	0.0
MW8	30/7/25	4.3	246	150	60	1	2.0	3.0	27	0.0
MW8	22/10/25	4.2	244	150	60	1	0.8	3.0	25	0.0

Sample	Date	Min of pH	Min of Electrical Conductivity	Min of Total Dissolved Solids	Min of Chloride	Min of Sulphate	Min of Calcium	Min of Magnesium	Min of Sodium	Min of Potassium
MW8	21/1/25	4.2	219	140	71	2	0.8	3.0	25	0.0
MW8	9/4/25	4.2	236	150	60	1	2.0	4.0	21	0.0
MW8	30/7/25	4.3	246	150	60	1	2.0	3.0	27	0.0
MW8	22/10/25	4.2	244	150	60	1	0.8	3.0	25	0.0

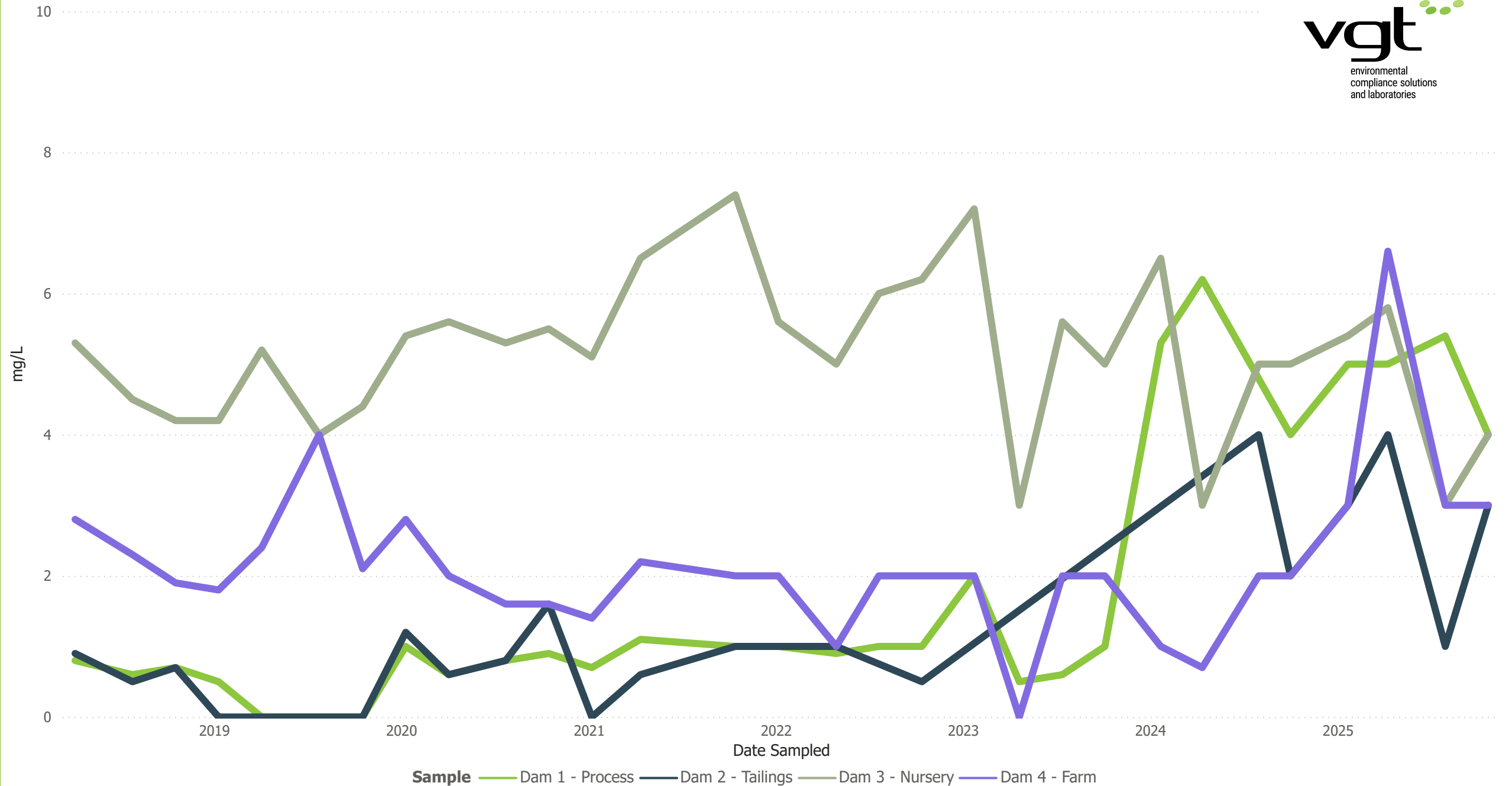
Sample	Date	Max of pH	Max of Electrical Conductivity	Max of Total Dissolved Solids	Max of Chloride	Max of Sulphate	Max of Calcium	Max of Magnesium	Max of Sodium	Max of Potassium
MW8	21/1/25	4.2	219	140	71	2	0.8	3.0	25	0.0
MW8	9/4/25	4.2	236	150	60	1	2.0	4.0	21	0.0
MW8	30/7/25	4.3	246	150	60	1	2.0	3.0	27	0.0
MW8	22/10/25	4.2	244	150	60	1	0.8	3.0	25	0.0

Water Quality Trends

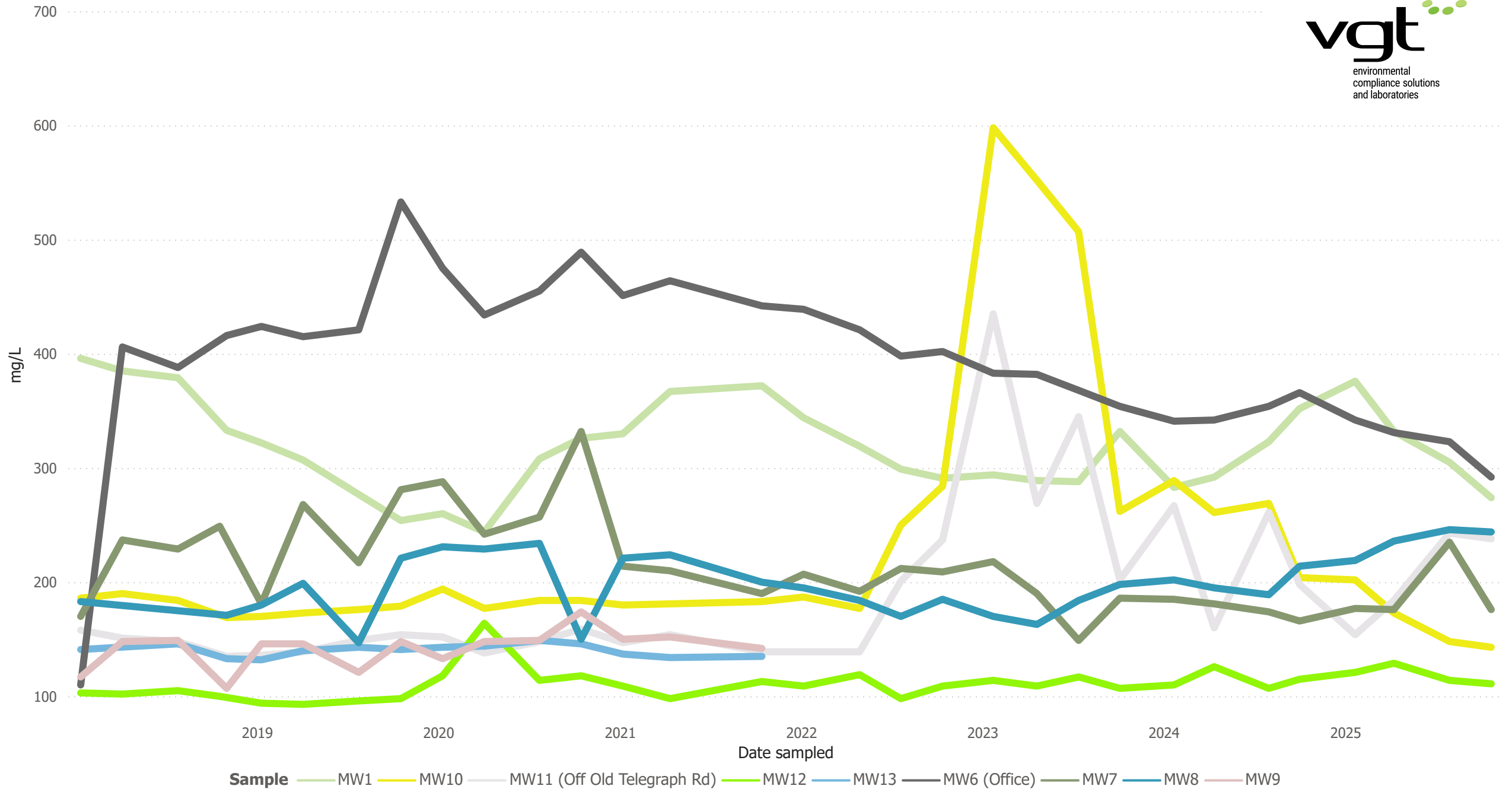
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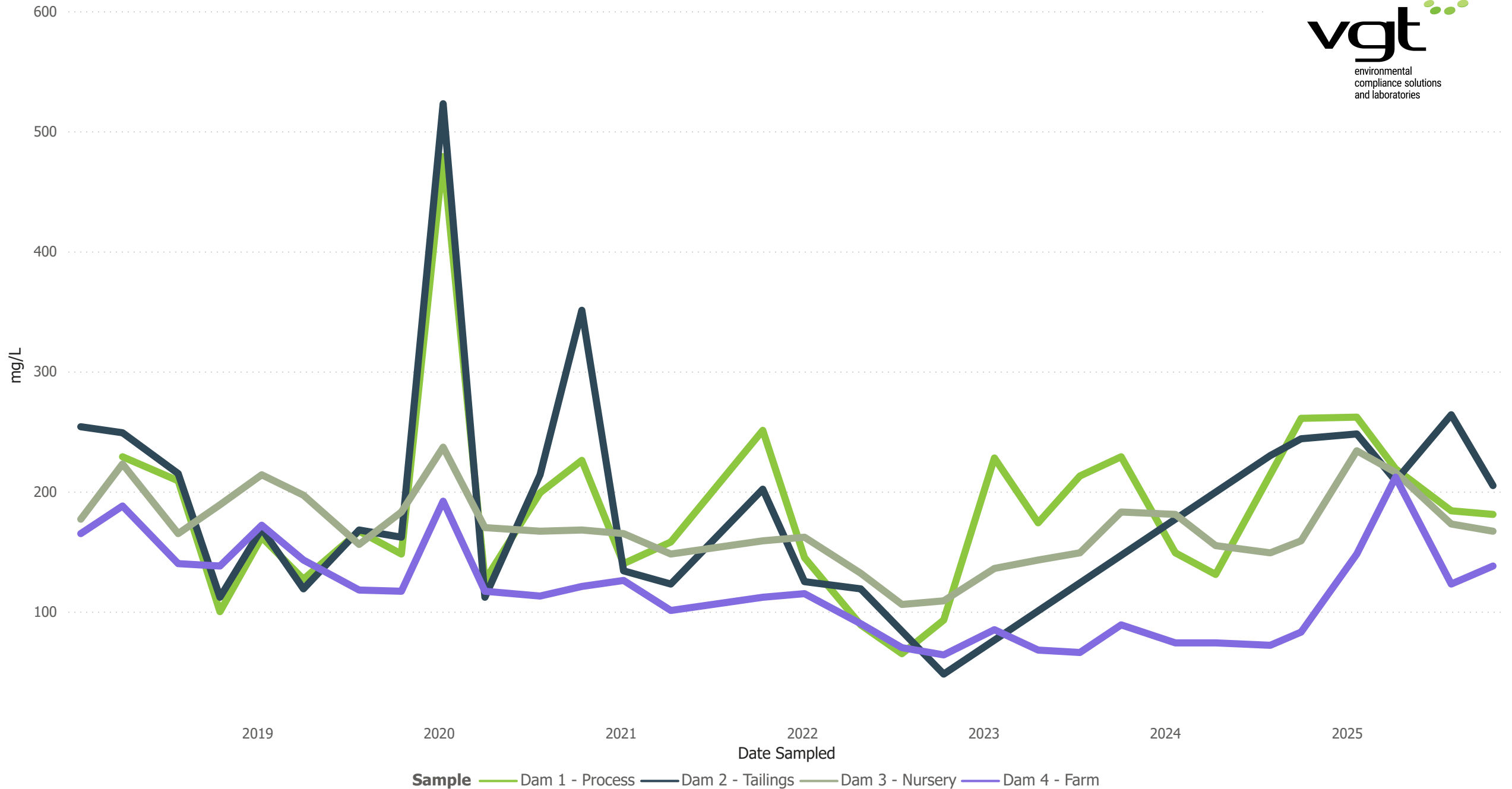
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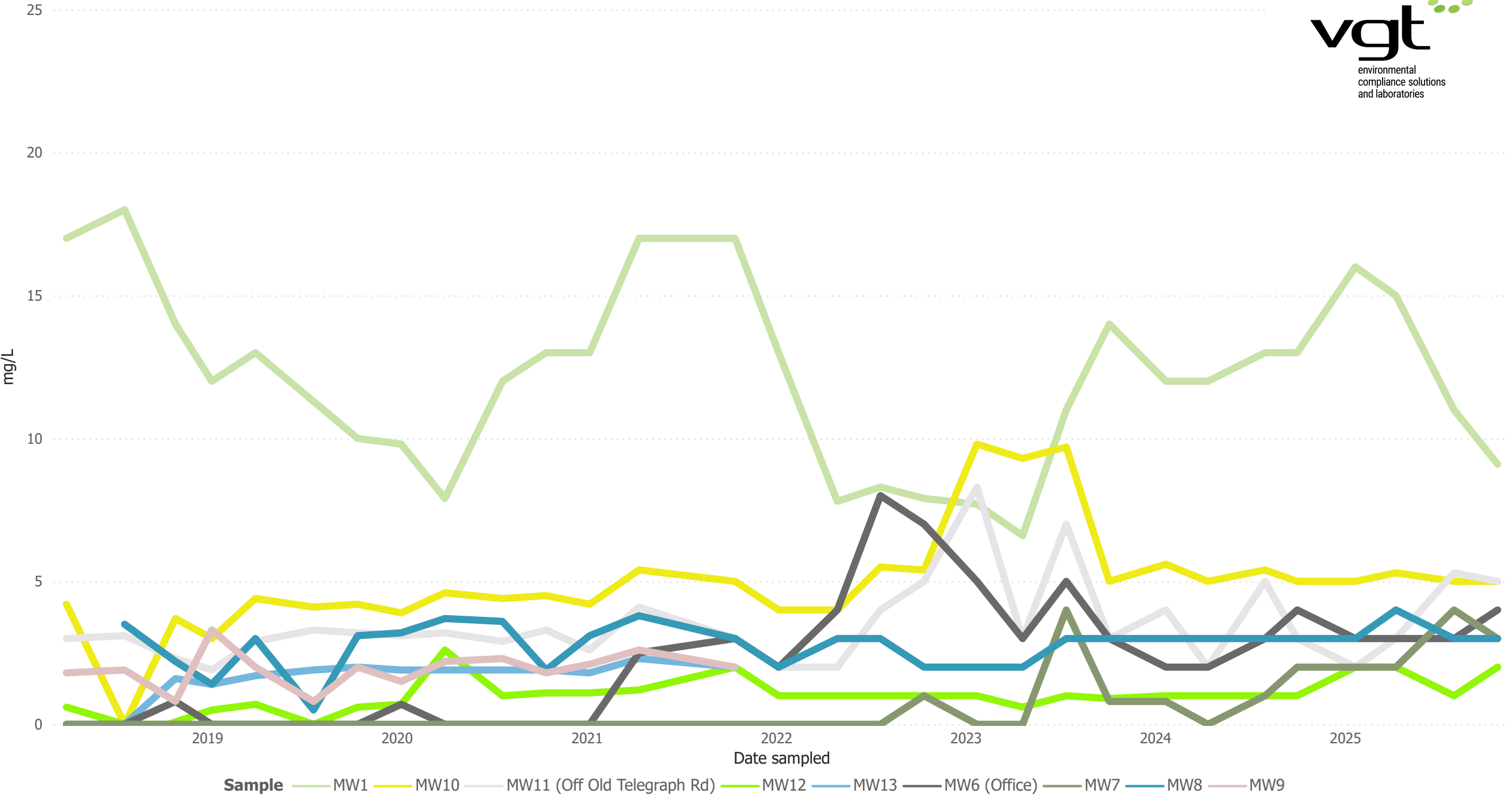
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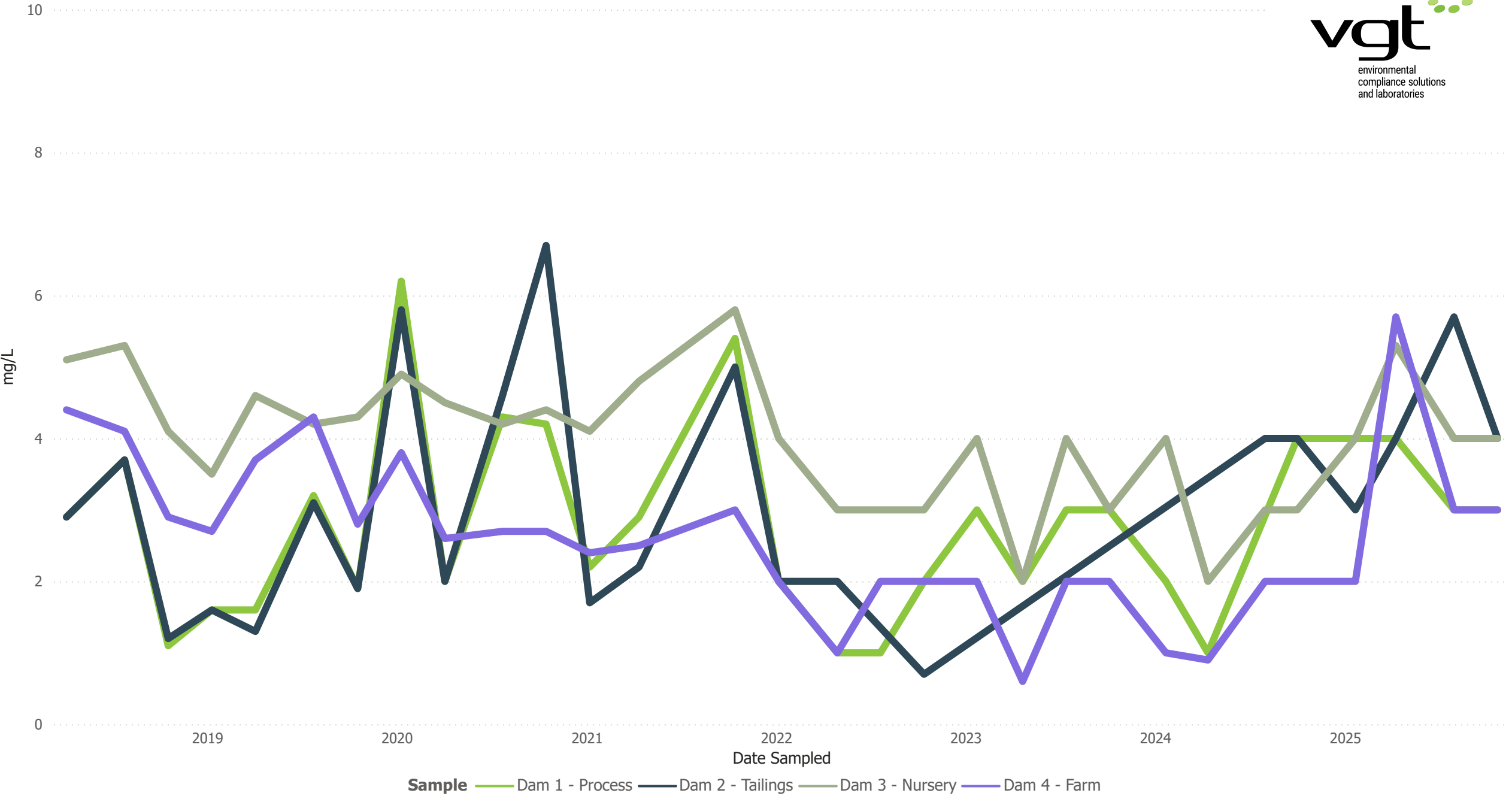
Electrical Conductivity



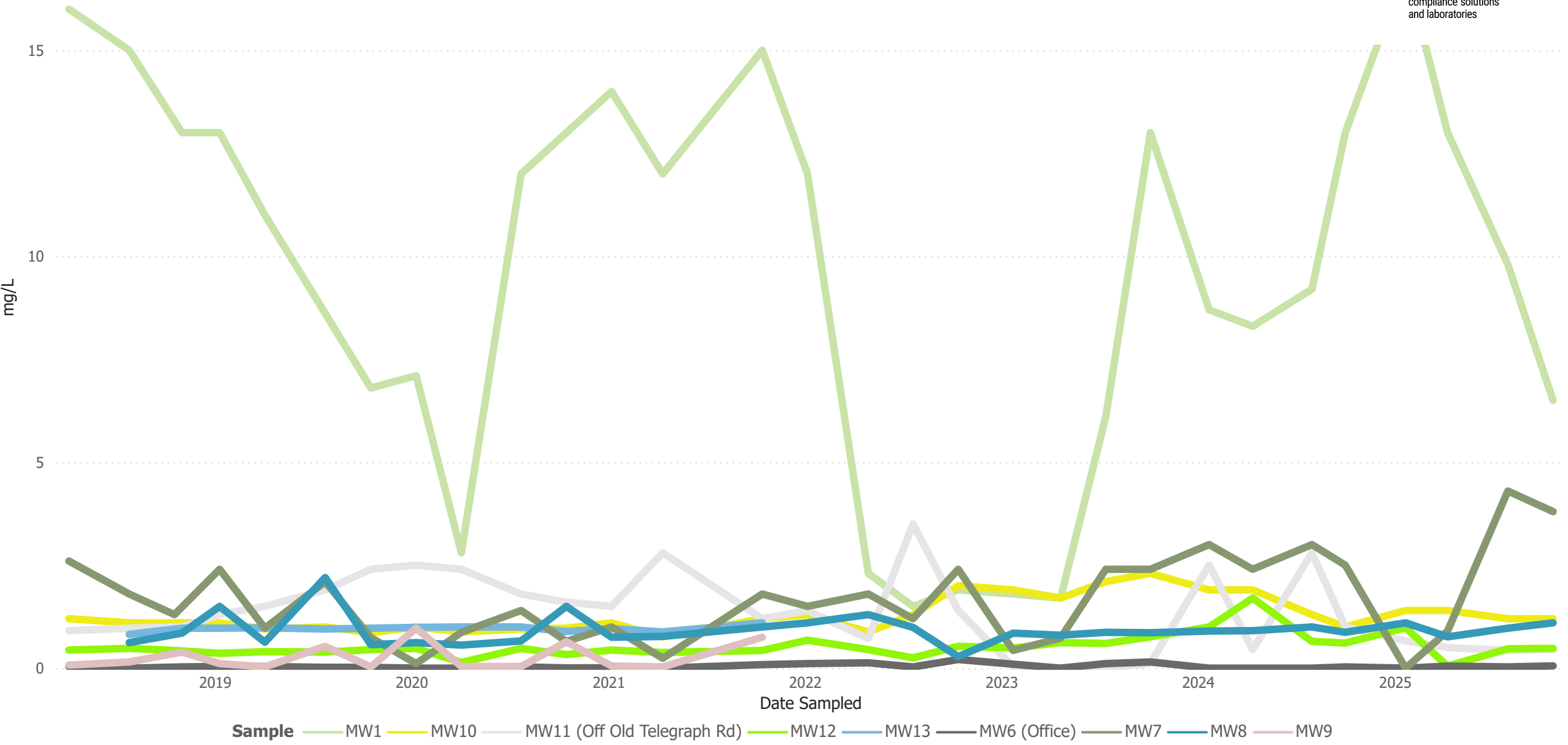
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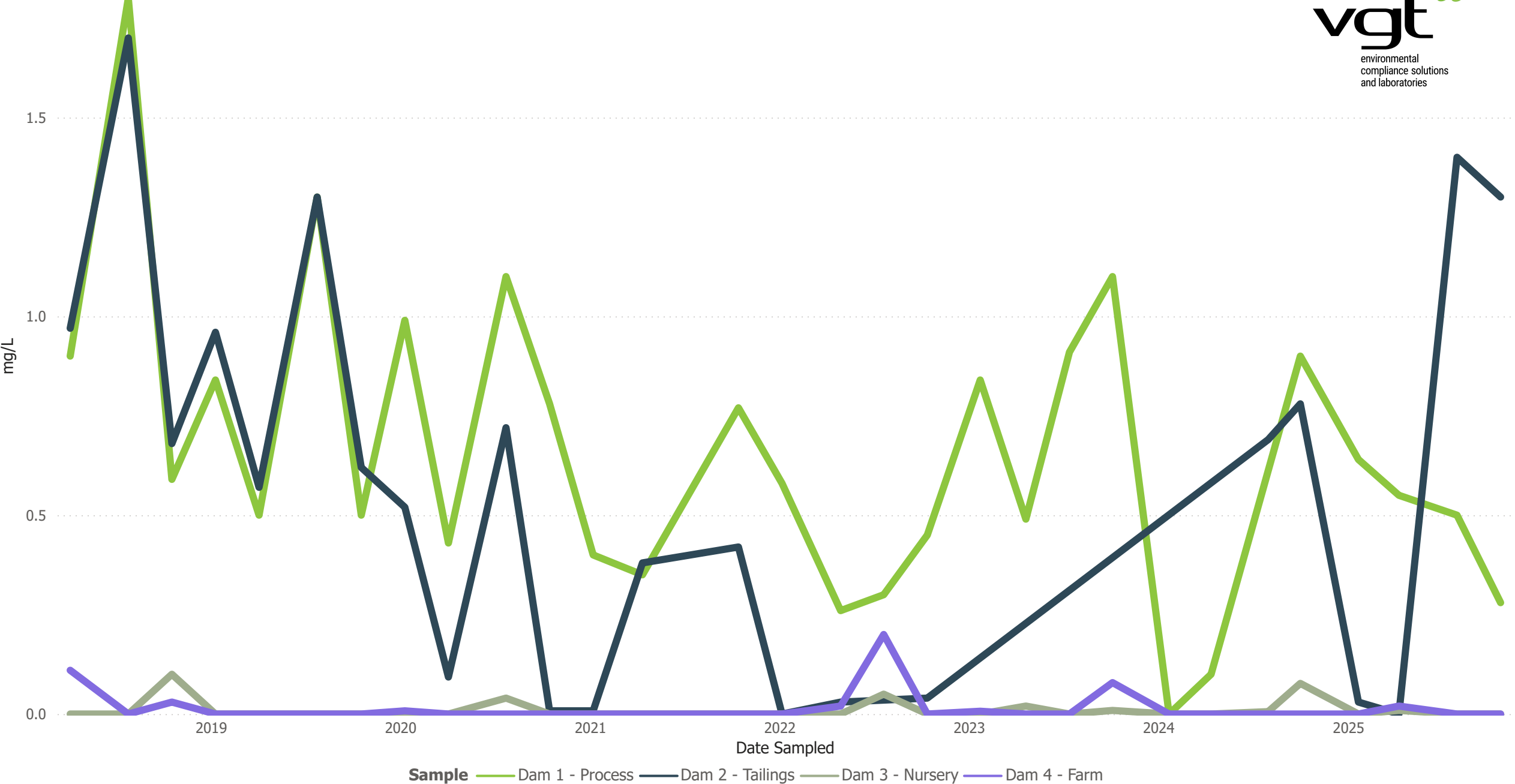
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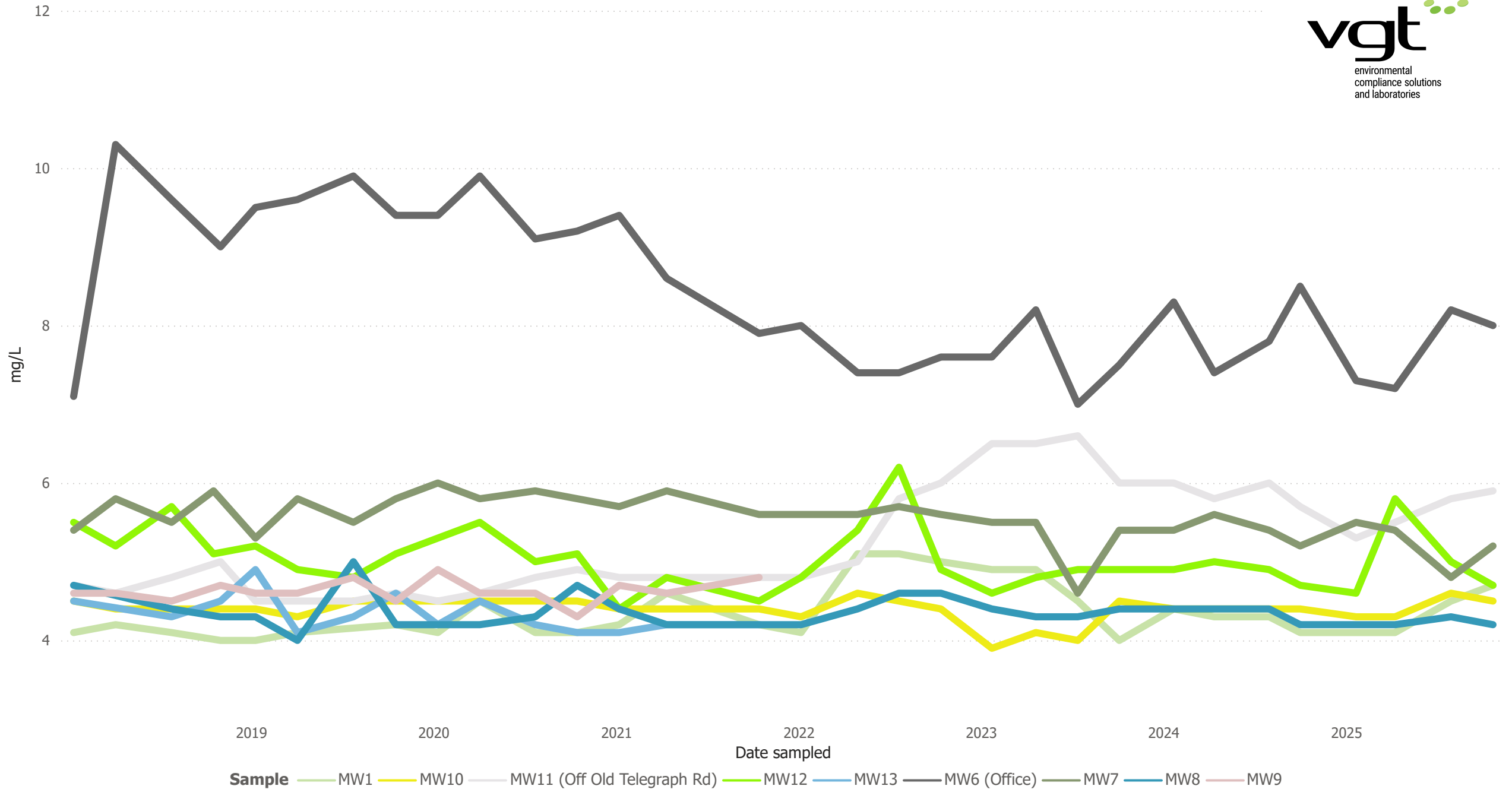
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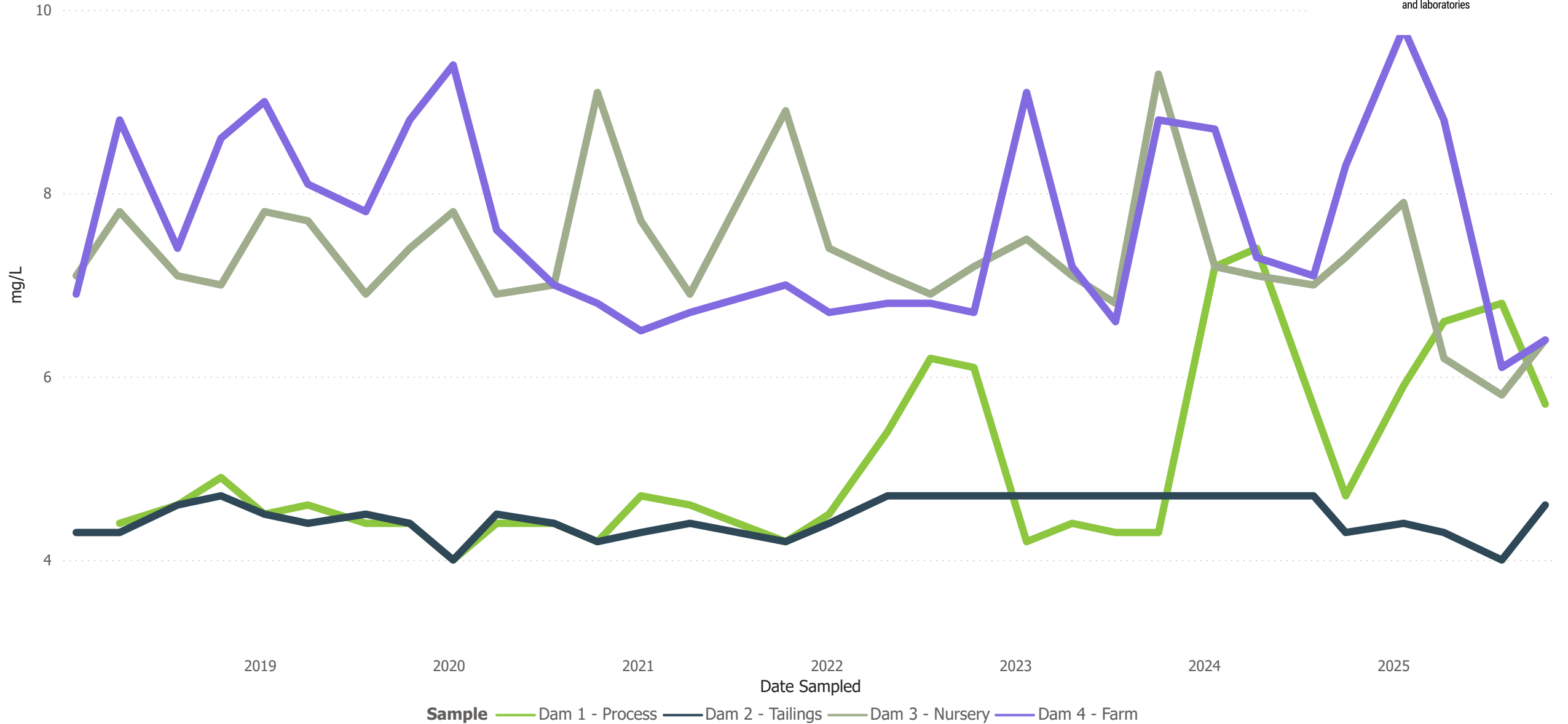
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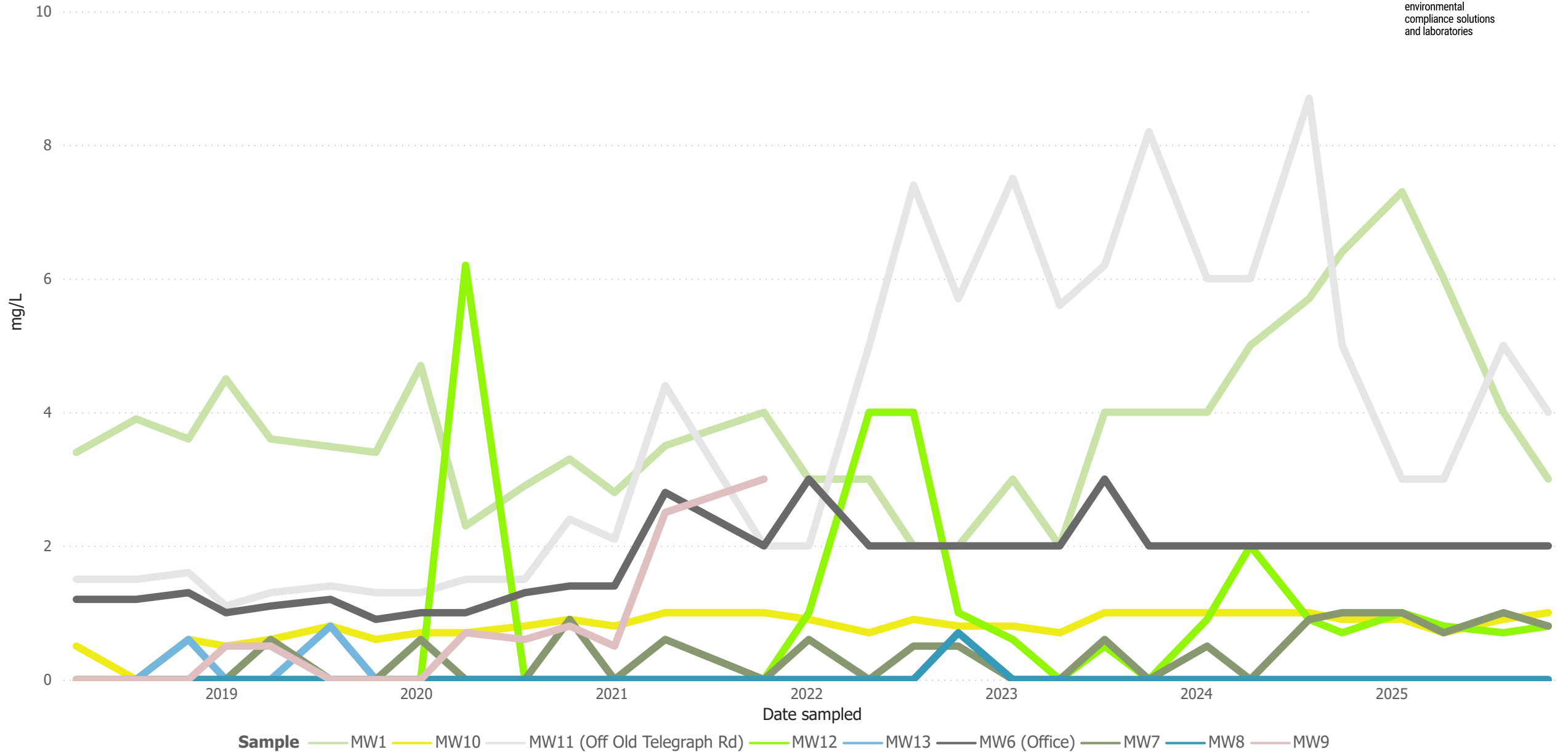
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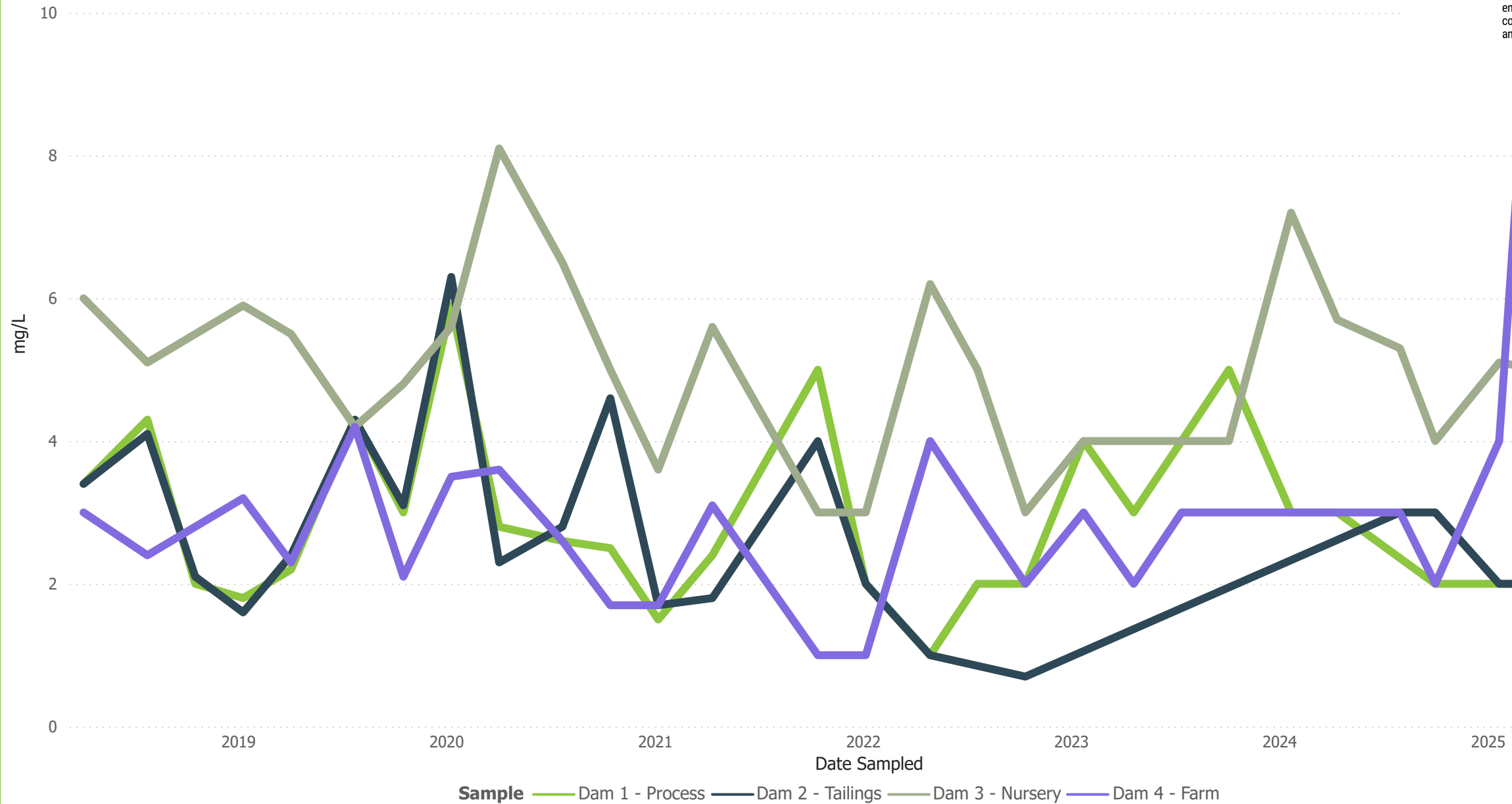
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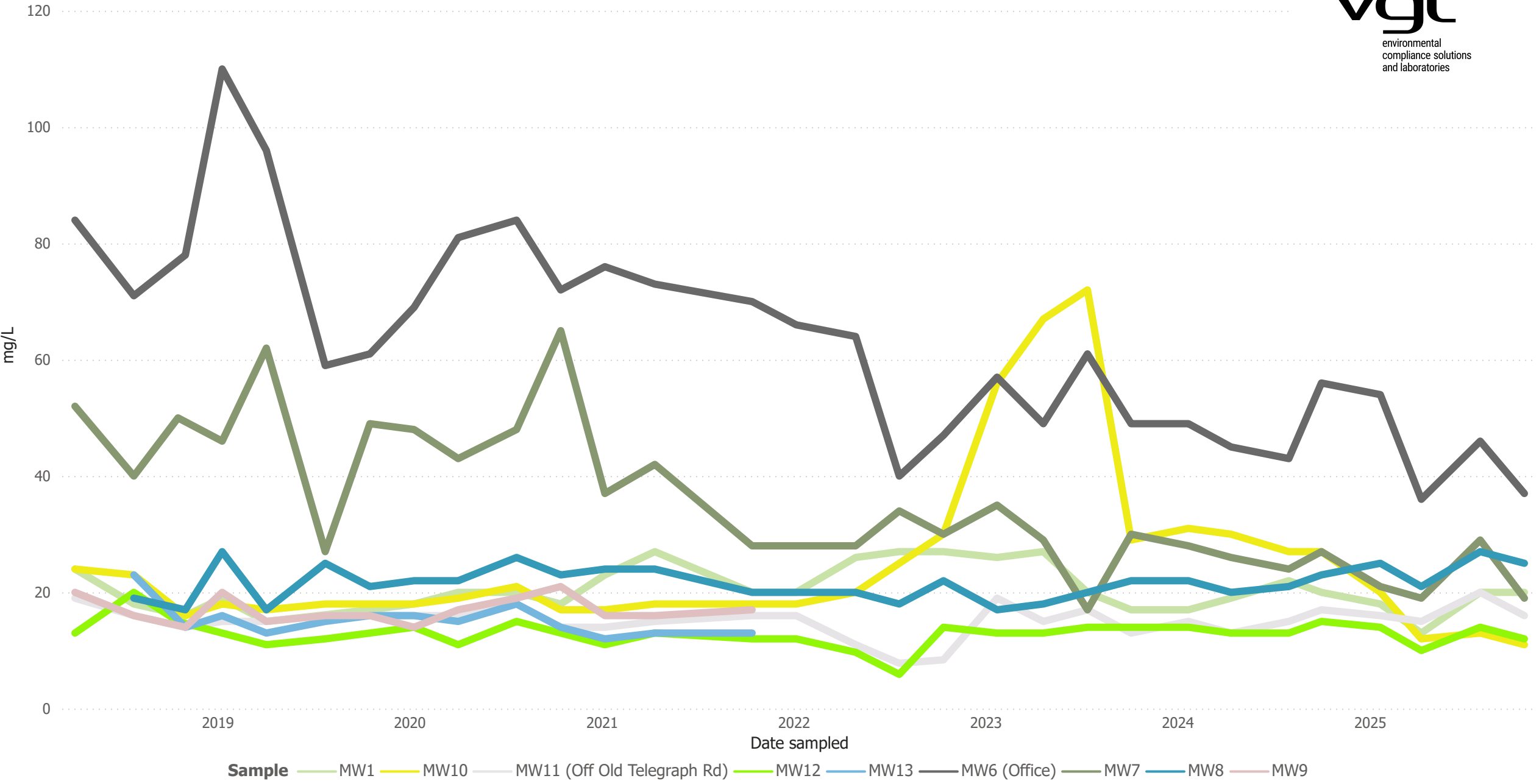
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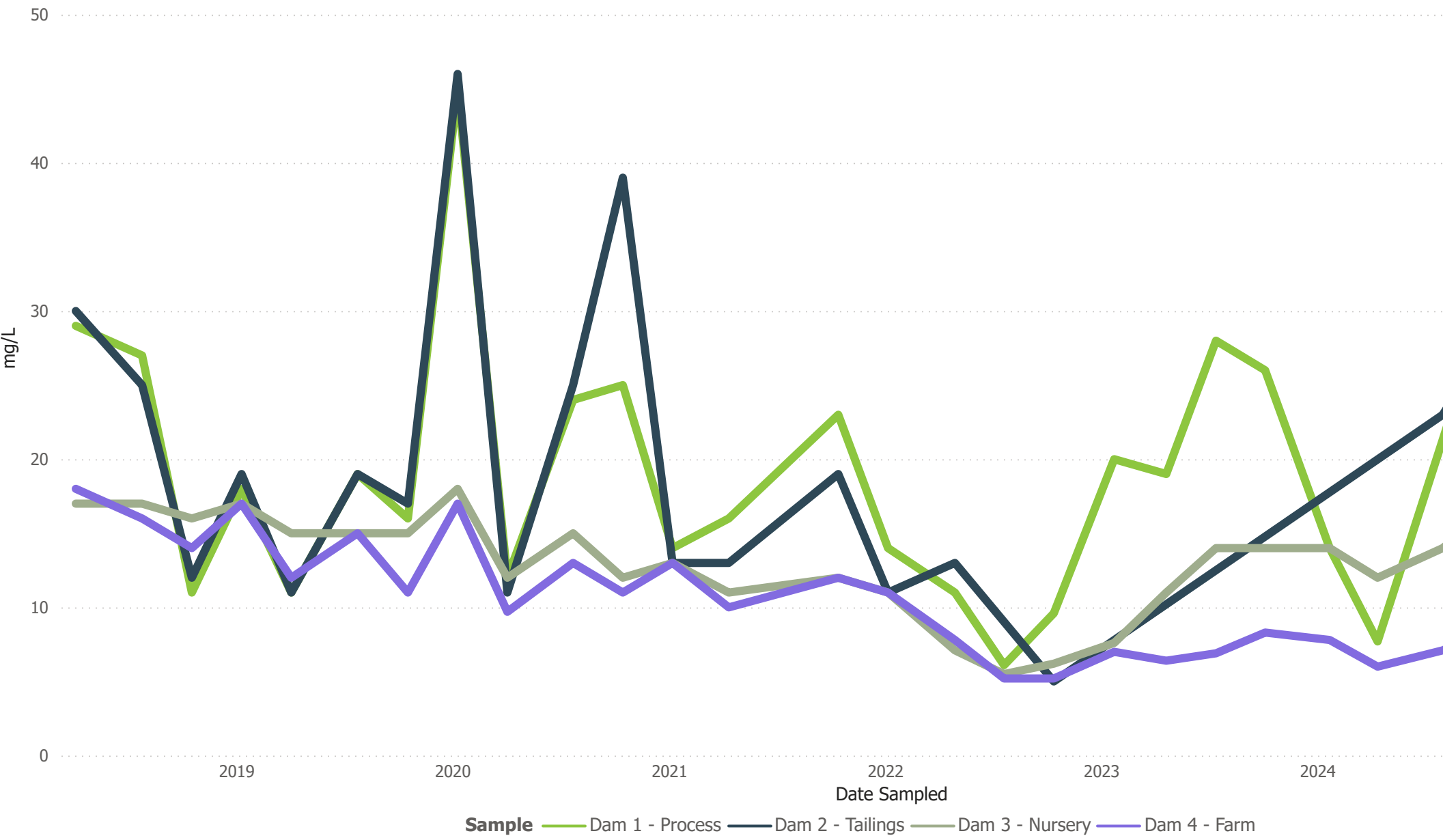
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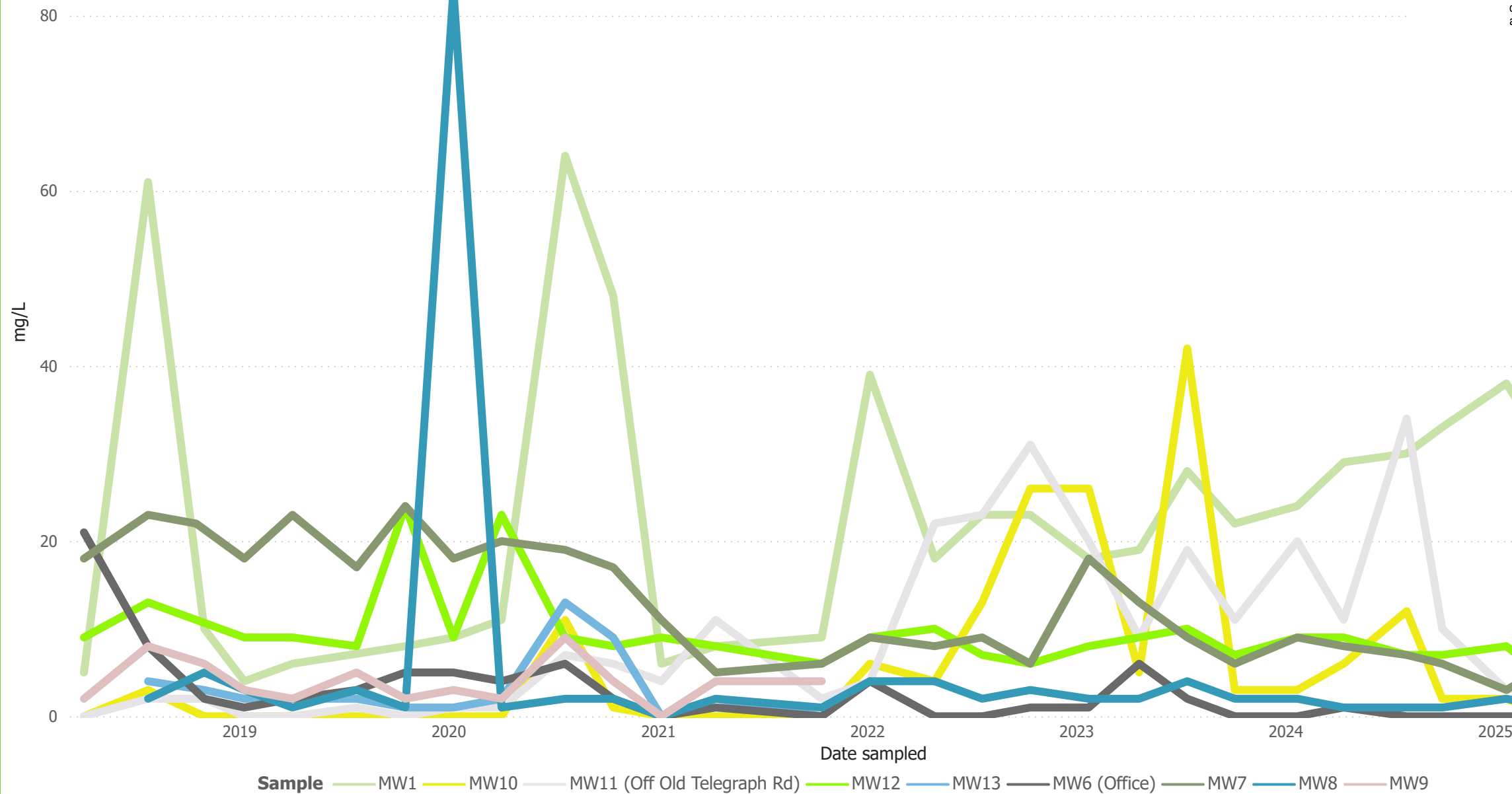
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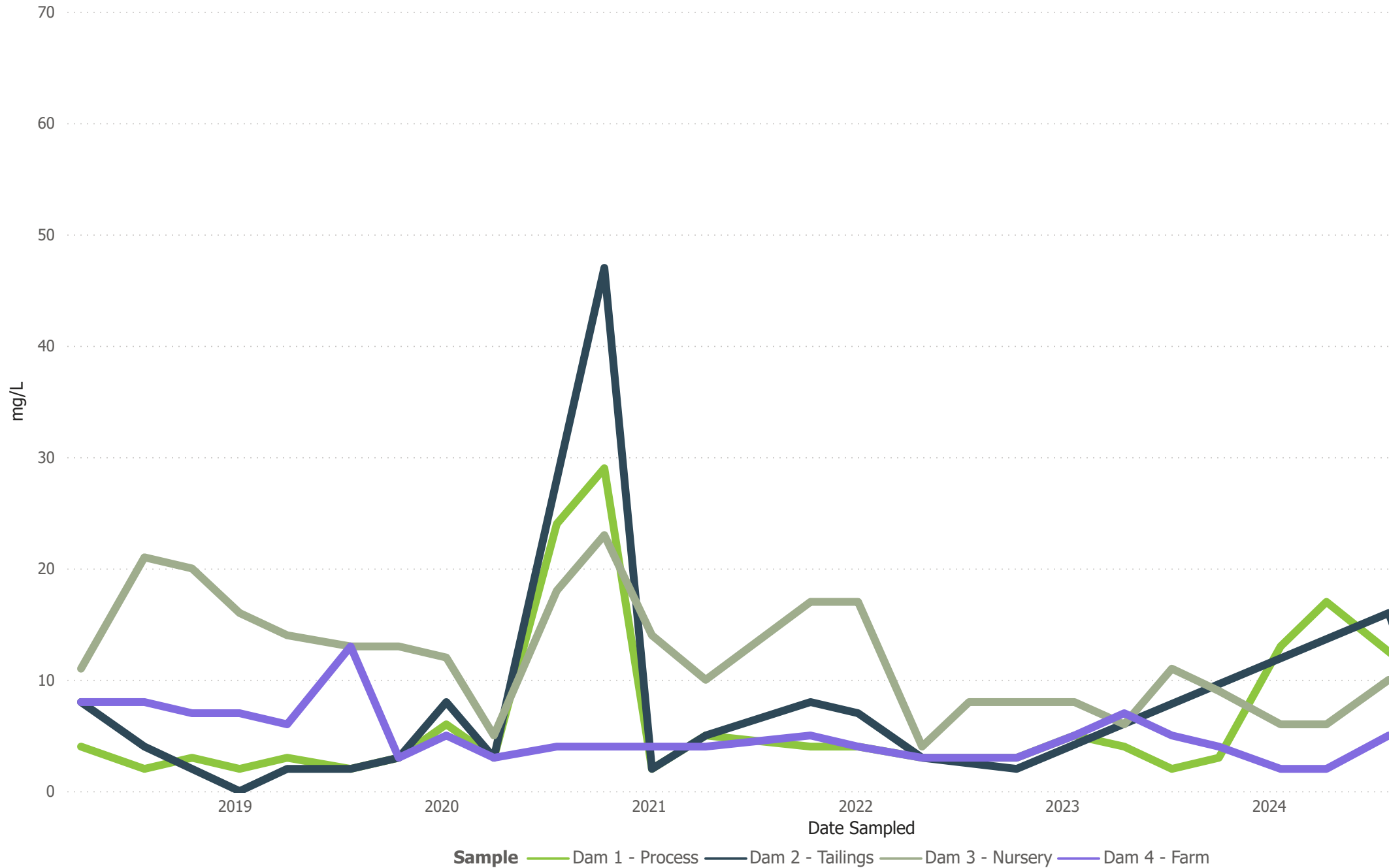
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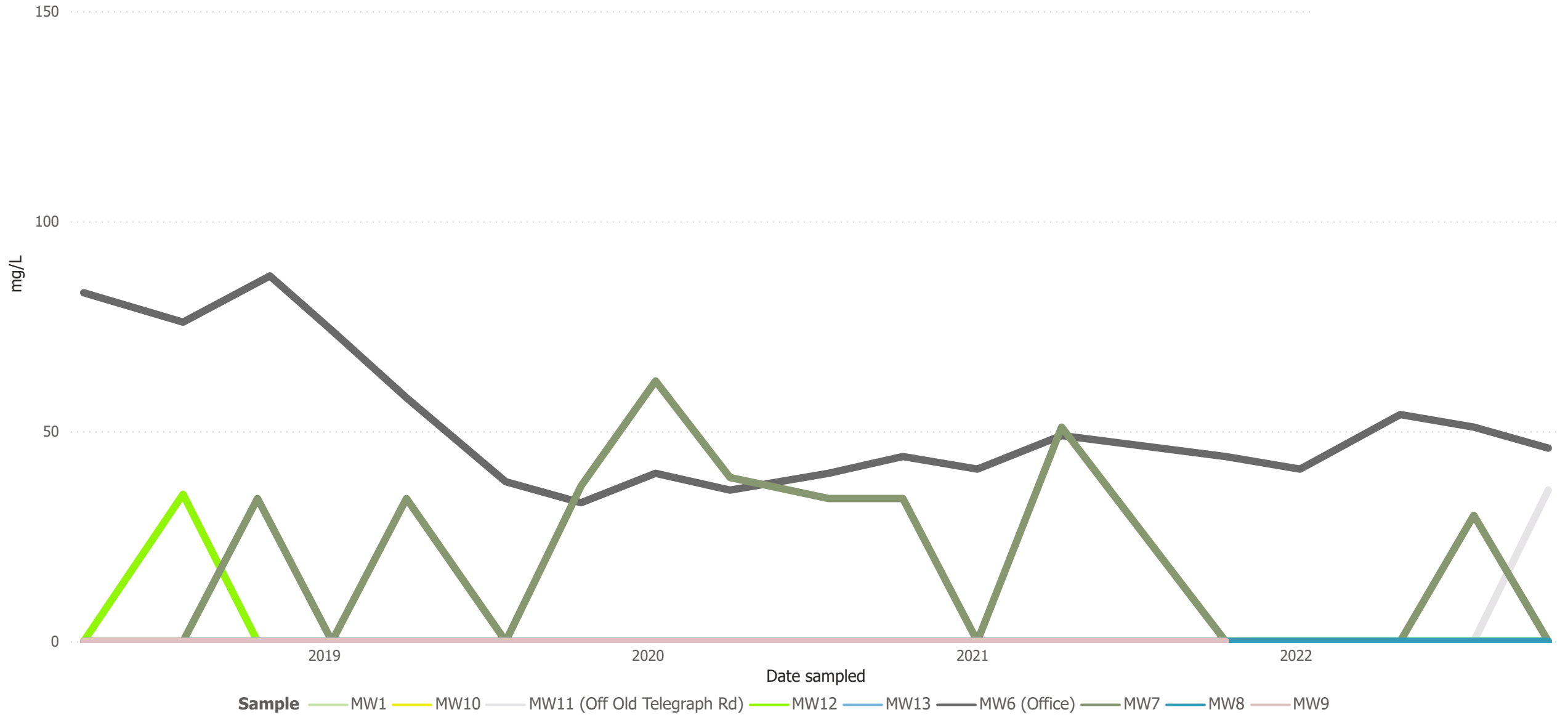
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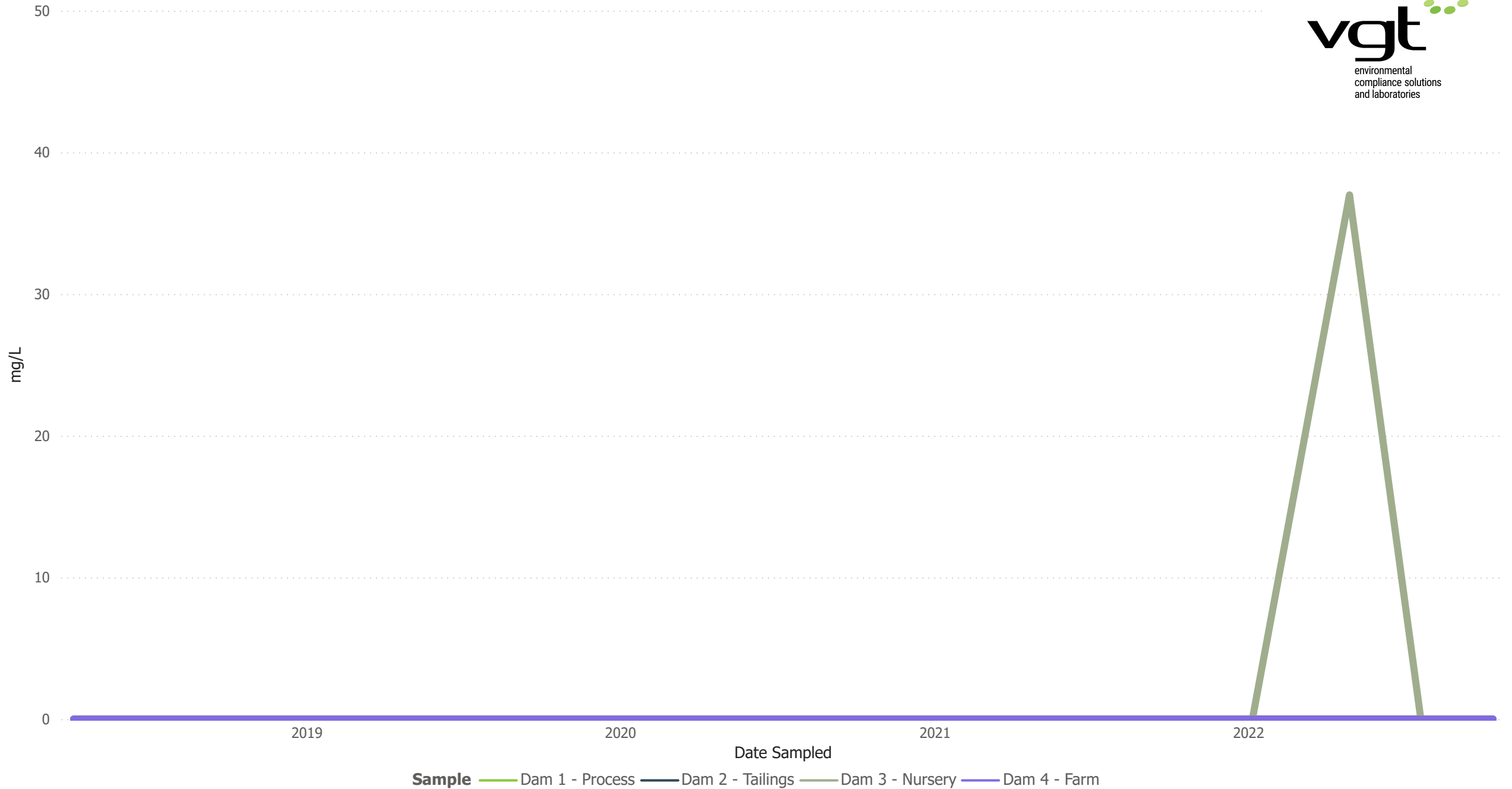
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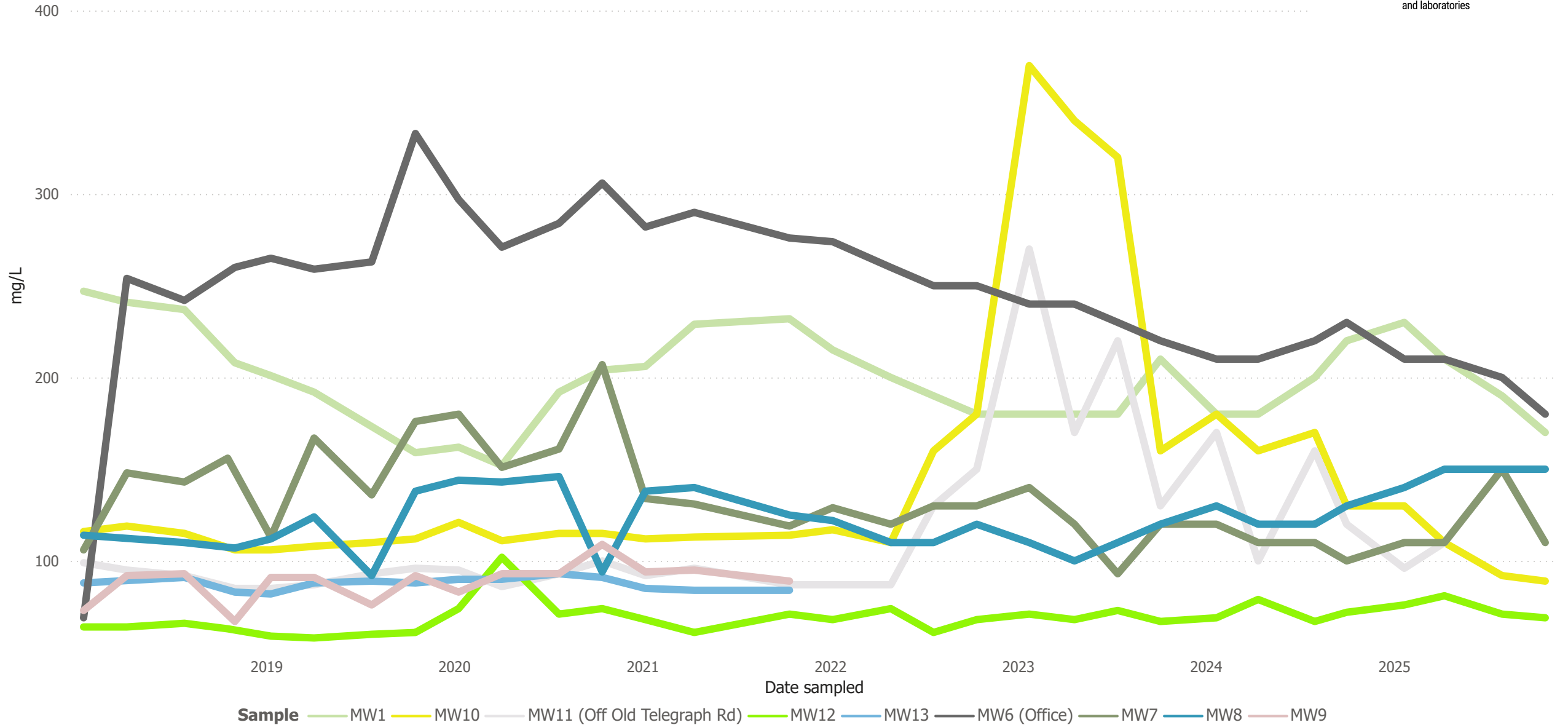
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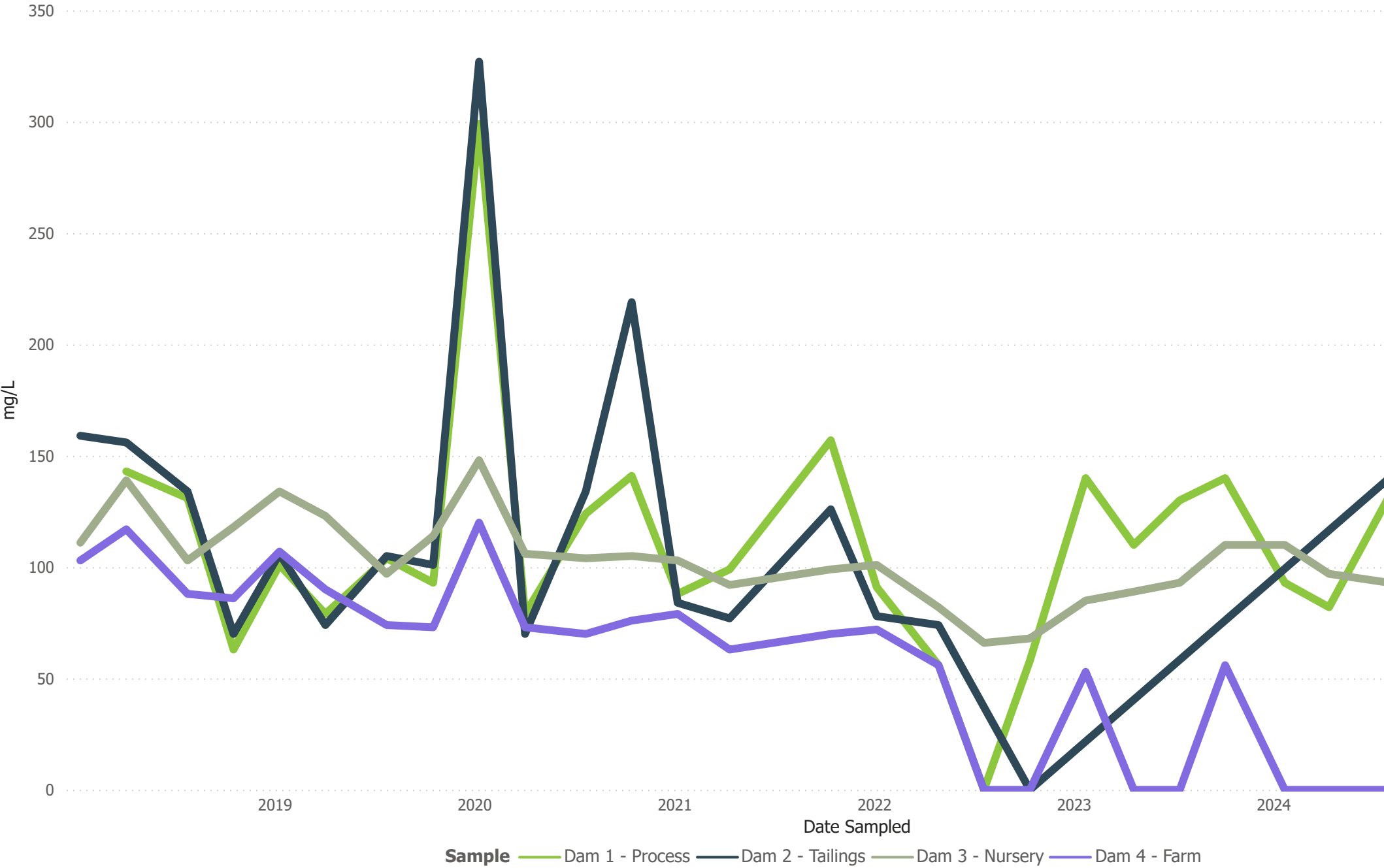
Total Alkalinity



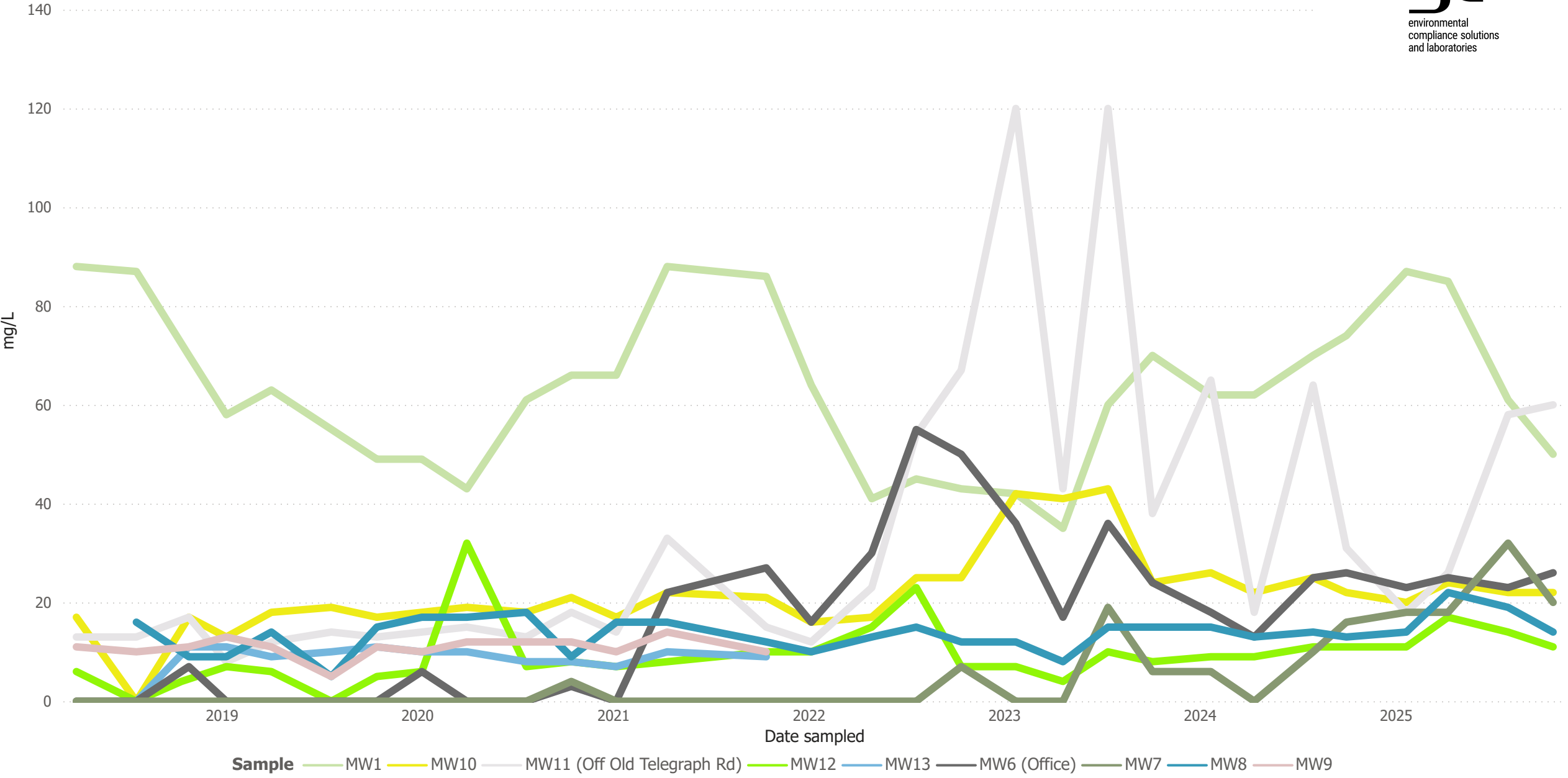
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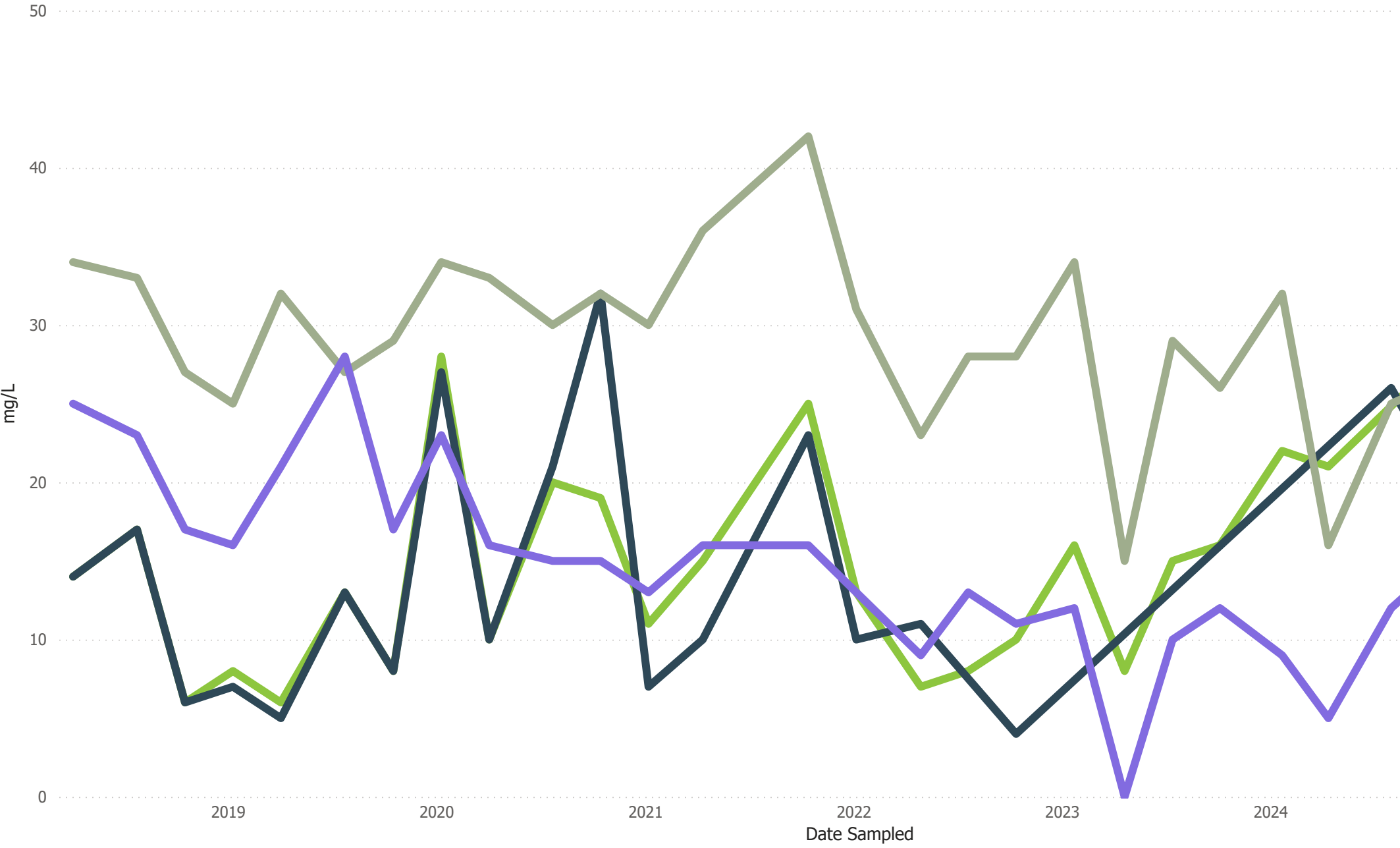
Total Dissolved Solids



Total Hardness



Total Hardness



Sample — Dam 1 - Process — Dam 2 - Tailings — Dam 3 - Nursery — Dam 4 - Farm