January 6th, 2026

Ms. Liz McConnell
Remedial Project Manager
U.S. Environmental Protection Agency
290 Broadway – 20th Floor
New York, New York 10007-1866

Re: Peter Cooper Markhams Site, Dayton, NY
April 2025 Post-Remedial Groundwater Monitoring Event

Dear Ms. McConnell:

On behalf of the cooperating Potentially Responsible Parties (cPRPs) for the above-referenced site, Roux Environmental Engineering and Geology, D.P.C. ("Roux") has prepared this letter report to transmit the results of the April 2025 post-remedial groundwater monitoring event at the Peter Cooper Markhams Site in Dayton, New York (see Figure 1). A site maintenance summary is also included in this report. The work was performed in accordance with the approved (June 2009) Post-Remedial Operation, Maintenance and Monitoring (OM&M) Plan. Groundwater and surface water monitoring requirements are presented on Table 1.

Field Sampling Procedure

On April 29th, 2025, Roux staff collected a round of static water level measurements from the seven monitoring wells shown on Figure 2; measurements and groundwater elevations are summarized on Table 2. Groundwater samples were collected from on-site monitoring wells MW-5S, MW-7S, MW-8S, MW-9S and a surface water sample from Wetland F.

The monitoring wells were sampled using a Mini-Typhoon® submersible pump and dedicated PVC tubing in accordance with low-flow groundwater purging procedures. Field measurements for pH, Eh, specific conductance, temperature, turbidity, and visual/ olfactory observations were recorded and monitored for stabilization. Purging was considered complete when pH, specific conductivity, and temperature stabilized, and the turbidity measured below or stabilized above 50 NTU. Stability is defined as the variation between field measurements of 10 percent or less with no overall upward or downward trend in the measurements. Once the field parameters stabilized, groundwater samples were collected and analyzed for the parameters presented on Table 1. The submersible pump was decontaminated using Alconox and water following sample collection activities at each well. The Wetland F sample was obtained by dipping a laboratory-provided unpreserved sample container into the surface water column.

Attachment 1 includes sample collection logs. All water samples were transferred to laboratory supplied, pre-preserved sample containers and transported under chain-of-custody command to Eurofins Test America Laboratories for analysis in accordance with Table 1.

Analytical Results

Attachment 2 includes the laboratory analytical data for the April 29th, 2025, sampling event. Routine parameters detected above method detection limits are shown on Table 3 with their associated sample concentrations. NYSDEC Groundwater Quality Standards and Guidance Values (GWQS/GV; TOGS 1.1.1, June 1998) are presented for comparison. Concentrations exceeding the GWQS/GVs are highlighted. As indicated on Table 3, sample concentrations were reported as non-detect or below GWQS/GV at all the monitored locations with the exceptions of: total manganese at MW-5S and MW-8S, ammonia at MW-5S; and total iron at MW-7S and MW-9S. Due to field error Sulfide was not analyzed during the subject period but samples will be collected during the next sampling event.

Historical Comparisons

Table 3 includes routine groundwater monitoring results for past monitoring events. Charts showing trending of the monitored parameters (excluding arsenic, hexavalent chromium, and sulfide, which are consistently reported as non-detect or only sporadically at all locations) are presented in Attachment 3. In general, the data indicates similar concentrations for the monitored parameters at each of the sampling locations, with no apparent trending except for an increase in ammonia at MW-5S, although levels have generally fluctuated within the same range for the past several years. No other parameters have shown similar trending at MW-5S, which is in a topographically low area where significant leaf accumulation/decay has been observed, and the groundwater elevation is within a few inches of ground surface.

Data Quality

Site-specific quality control (QC) sampling during each event included the collection of one blind duplicate sample (collected from MW-5S) and one matrix spike/matrix spike duplicate (MS/MSD) sample (collected from MW-9S) for total metal analysis only. Recoveries for the MS/MSDs were within acceptable ranges with good reproducibility. Blind duplicate results correlated well with MW-5S results. Laboratory control limits exceeds MS and/or MSD for ammonia at MW-9s.

Groundwater Elevation Data

Groundwater monitoring includes a round of static water level measurements from seven monitoring wells across the site. Table 2 includes groundwater elevation data for the 2025 monitoring year. An isopotential map representing the shallow groundwater was prepared from the April 29th, 2025, depth-to-groundwater measurements and is presented as Figure 2. Based on those measurements, the inferred groundwater flow directions indicate that shallow groundwater migrates to the west towards Wetland F, which is consistent with observations recorded during the site Remedial Investigation.

Annual Maintenance Summary Report

Post remedial site inspections have been performed during each groundwater monitoring event since June 2009. The April 2025 site inspection indicated no irregularities or changes to the property access or security. The final cover system appears in good condition, with the gas vent monitoring system intact and operational. Overgrown vegetation near and along access paths to the monitoring well locations were cut on April 21st, 2025. Containment cell was mowed on September 20th 2022. A copy of the Field Inspection Form including a photolog is provided in Attachment 4.

Conclusions

The groundwater monitoring data and site inspection yielded no evidence of significant impact from leaching from the containment cell area into the water table. In addition, no toxic metals (arsenic, chromium, hexavalent chromium) were detected above their representative GWQS/GVs at any of the sample locations. Accordingly, the data indicate that the implemented remedy at the Site remains protective of public health and the environment.

More specifically, the 2025 groundwater monitoring data compared to prior events indicate that there have been no significant changes in groundwater flow or groundwater quality attributable to the landfill. Although groundwater at MW-5S indicates levels of ammonia slightly above the GWQS/GVs standard since 2015, no other monitored parameters have shown similar trending. It is noted that groundwater elevations at MW-5S are close to grade, and the elevated ammonia levels detected in MW-5S may be attributed to the decaying of organic matter from surrounding trees and leaf debris.

The electronic data delivery (EDD) format was uploaded to NYSDEC's EQuIS database on June 18th 2025. The next sampling event is July of 2026.

Please contact us if you have any questions or require additional information.

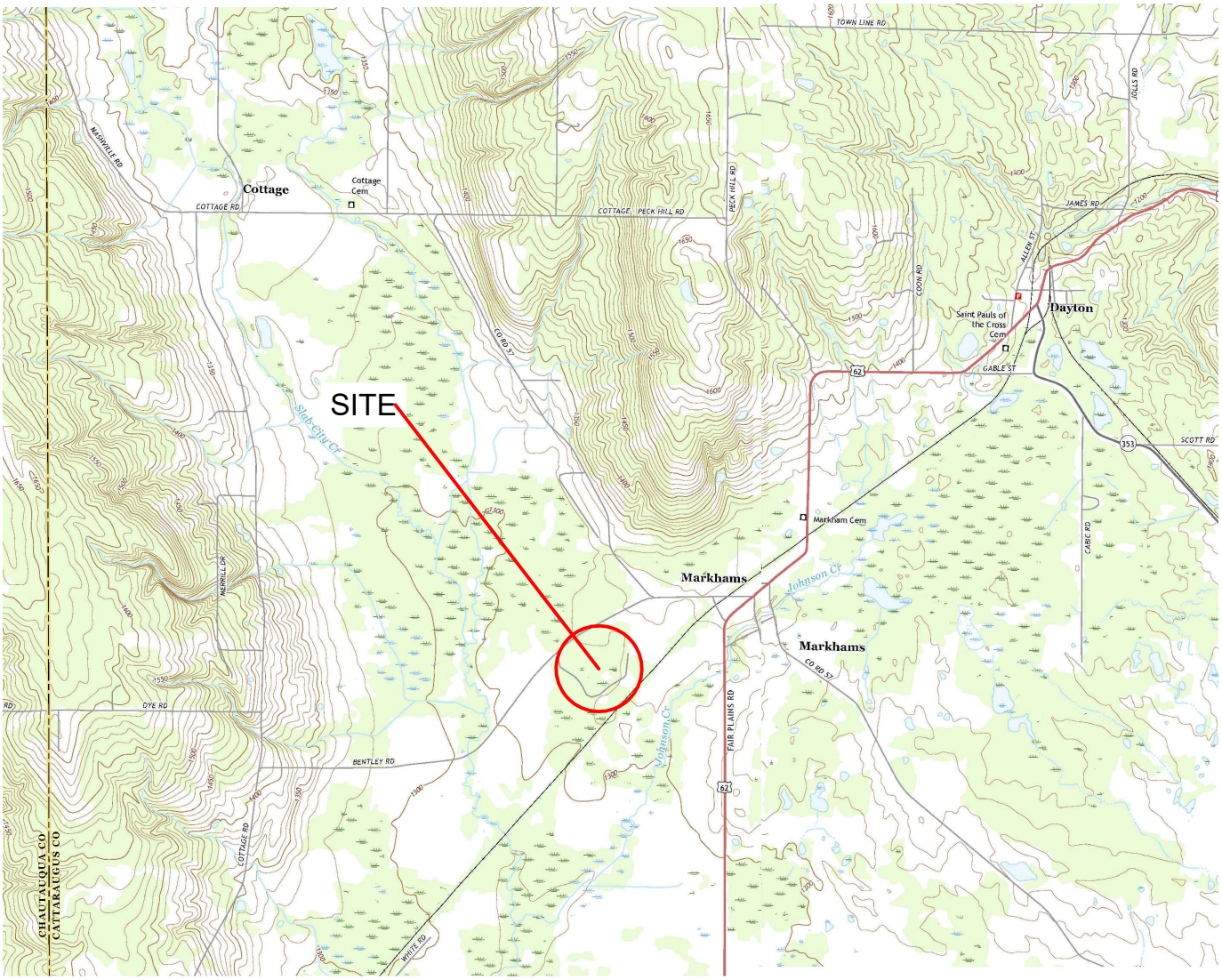
Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C

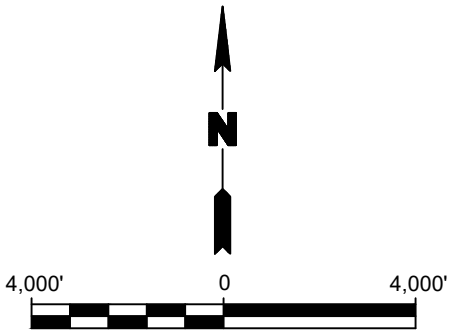
Thomas H. Forbes, P.E.
Principal Engineer, Vice President

cc: M.Kuczka (NYSDEC)

FIGURES



BASE MAP USGS PERRYSBURG AND DAYTON, NEW YORK QUADRANGLES, 2016



Title:

SITE LOCATION AND VICINITY MAP

POST-REMEDIAL MONITORING

PETER COOPER MARKHAMS SUPERFUND SITE
DAYTON, NEW YORK

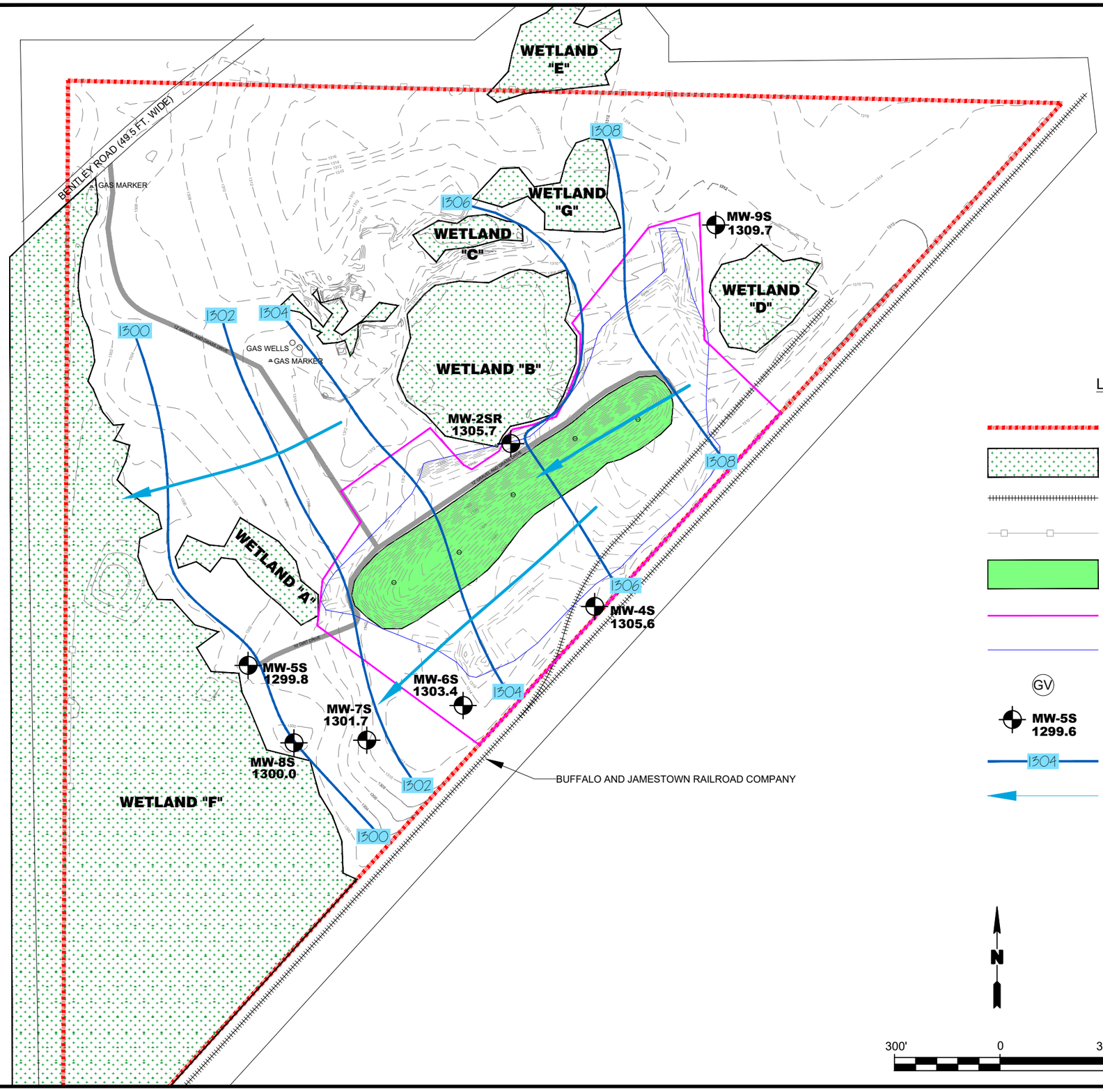
Prepared for:

CPRPs FOR PETER COOPER MARKHAMS SITE

ROUX

Compiled by:	Date: JANUARY 2024	FIGURE
Prepared by: CMC	Scale: AS SHOWN	
Project Mgr: THF	Project:	1
File: FIGURE 1; SITE LOC AND VICINITY MARKHAMS.DWG		

F:\CAD\BENCHMARK\COLLIER SHANNON\MARKHAMS SITE\2019 - EMERGING CONTAMINANT SAMPLING PLAN\FIGURE 1; SITE LOC AND VICINITY MARKHAMS.DWG



LEGEND:

- PROPERTY BOUNDARY
- WETLAND AREA
- RAILROAD TRACKS
- FENCE LINE
- CONTAINMENT CELL
- REMEDIAL WORK LIMIT
- SURVEY LIMITS
- GV — CONTAINMENT CELL GAS VENT
- MW-5S 1299.6 — MONITORING WELL WITH GROUNDWATER ELEVATION (4/29/2025)
- 1304 — ISOPOTENTIAL CONTOUR
- GROUNDWATER FLOW DIRECTION

N

300' 0 300'

Title:

SITE PLAN & ISOPOTENTIAL MAP FOR APRIL 29, 2025

POST-REMEDIAL MONITORING

PETER COOPER MARKHAMS SUPERFUND SITE
DAYTON, NEW YORK

Prepared for:
CPRPs FOR PETER COOPER MARKHAMS

ROUX

Compiled by:	Date: JUNE 2025	FIGURE
Prepared by: CMC	Scale: AS SHOWN	2
Project Mgr: THF	Project:	
File: FIGURE 2; SITE PLAN & ISOPOTENTIAL MAP 2025.DWG		

F:\CAD\BENCHMARK\COLLIER SHANNON\MARKHAMS SITE\POST-REMEDIAL MONITORING\2025\FIGURE 2; SITE PLAN & ISOPOTENTIAL MAP 2025.DWG

TABLES

TABLE 1

MONITORING PROGRAM REQUIREMENTS

April 2025 Monitoring Event
Peter Cooper Markhams Site
Dayton, New York

Sample Location	Frequency	Parameters										
		DTW	Field [1]	Total Metals [2]					Water Quality			
				As	Cr	Hex. Cr.	Mn	Fe	Ammonia	Nitrate	Alkalinity	T. Sulfide
Groundwater												
MW-2SR (cross-gradient)	15-month	X										
MW-4S		X										
MW-5S		X	X	X	X	X	X	X	X	X	X	X
MW-6S		X										
MW-7S		X	X	X	X	X	X	X	X	X	X	X
MW-8S		X	X	X	X	X	X	X	X	X	X	X
MW-9S (upgradient)		X	X	X	X	X	X	X	X	X	X	X
Surface Water												
Wetland F (surface water)	15-month		X	X	X	X	X	X	X	X	X	X
QA/QC Samples [3]												
Blind Duplicate	15-month			X	X	X	X	X				
Matrix Spike				X	X	X	X	X				
Matrix Spike Duplicate				X	X	X	X	X				

Notes:

1. Field measurements include: pH, temperature, specific conductance, turbidity, Eh
2. If field measured turbidity is greater than 50 NTU, dissolved metals will also be collected.
3. QA/QC samples will be collected at a frequency of 1 per 20 for each matrix.
4. DTW = depth to water

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TABLE 2

SUMMARY OF GROUNDWATER ELEVATIONS
4/29/25
Monitoring Event
Peter Cooper Markhams Site
Dayton, New York

Location	TOR Elevation (fmsl)	DTW (fbTOR)	GWE (fmsl)
MW-2SR	1313.33	7.67	1305.66
MW-4S	1313.11	7.53	1305.58
MW-5S	1302.70	2.91	1299.79
MW-6S	1315.47	12.11	1303.36
MW-7S	1312.82	11.15	1301.67
MW-8S	1304.10	4.12	1299.98
MW-9S	1314.13	4.39	1309.74

Notes:

1. DTW = depth to water
2. fbTOR = feet below top of riser
3. fmsl = feet above mean sea level
4. GWE = groundwater elevation
5. TOR = top of riser

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TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS [1,2]

April 2025 Monitoring Event
Peter Cooper Markhams Site
Dayton, New York

Parameter	Monitoring Location and Sample Collection Date																																GWQS [4]
	MW-5S																																
	04/25/02		06/19/09		12/30/09		05/28/10		06/22/11		06/26/12		06/24/13		06/24/14		10/27/15		10/26/16		10/20/17		10/19/18		02/05/20		06/23/21		09/30/22		12/21/23		04/29/25		
Field Measurements [3]:																																	
Sample No.	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	--
pH (units)	--	6.81	6.75	6.78	6.58	6.68	6.80	6.86	6.90	7.00	6.88	6.88	6.89	6.92	7.12	7.13	6.92	6.92	6.69	6.70	6.91	6.88	6.89	7.12	6.94	6.92	6.86	6.98	6.75	6.78	6.80	6.79	6.91	6.95	**6.5 - 8.5**
Temperature (°C)	--	7.14	11.4	11.7	6.3	6.2	14.3	14.9	14.2	14.5	12.8	13.2	12.9	13.3	12.8	13.6	12.3	12.3	12.7	12.7	13.8	13.7	13.2	12.1	4.4	4.3	12.1	13.1	13.2	13.2	7.9	7.8	9.6	10.1	**NA**
Sp. Conductance (mS)	--	822	1004	993	1099	1090	985	966	1035	1029	1005	1008	955	941	986	974	1041	1048	1050	1062	947	949	1207	1234	879	908	992	978	1092	1111	1019	1026	960	929	**NA**
Turbidity (NTU)	--	2	4.6	2.4	2.9	2.9	37	5.47	4.29	3.11	4.04	3.42	9.82	5.32	8.77	6.79	5.53	5.53	4.39	2.77	1.96	1.53	10	6	31.5	25	8.91	1.4	7.84	7.8	8.03	9.01	4.93	2.13	**NA**
Eh (mV)	--	67.3	69	70	-29	-20	-38	21	-9	15	15	30	105	100	150	130	59	82	108	100	155	154	70	88	135	130	230	286	232	232	107	108	200	186	**NA**
Wet Chemistry (mg/L):																																	
Alkalinity, Total	NA		538 D		470 D		471 D		478		473		474		489		518		486		511		517		453 B		469		614		492		460		**NA**
Ammonia	ND		ND		0.047		ND		ND		0.2		0.13		0.4		1.2		**3.5**		**3.6**		**6.5**		**12.9**		**17.2 B**		**20.4**		**8.3**		**20.5**		**2**
Nitrate (as Nitrogen)	2.8		0.271		0.347		0.443 CF6		ND		0.23		1.2		ND		1.4		**14.1**		1.2		0.43		**12.7**		1.9		0.12		7.2		0.77		**10**
Total Inorganic Compounds (mg/L):																																	
Chromium	ND		0.0056		ND		ND		0.0064		0.005		0.0051		0.0047		0.0042		0.0054		ND		0.004		0.004		0.0042		0.0044		0.004		0.0035 J		**0.05**
Hexavalent Chromium	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.012		ND		**0.05**
Manganese	NA		**1.61**		**1.45**		**1.50**		**1.80**		**1.6**		**1.7**		**2.6**		**2.3**		**2.2**		**1.9**		**2.2**		**4.5**		**2.5 B**		**2.3 B**		**2.3**		**2.4**		**0.3**
Iron	NA		**0.408**		0.128		**0.508**		**0.560**		0.2		0.053		**0.41**		**0.49**		0.17		0.091		0.16		**1.2**		**0.59**		0.02 J		0.12		0.18		**0.3**
Soluble Inorganic Compounds (mg/L):																																	
Chromium	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.004		NA		NA		NA		NA		NA		**0.05**
Manganese	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**1.6**		NA		NA		NA		NA		NA		**0.3**

Notes:

1. Only those compounds detected above the method detection limit at a minimum of one sample event are reported in this table.
2. Shaded and bolded values represent an exceedance of the GWQS/GV.
3. Field measurements were collected immediately before and after groundwater sample collection.
4. NYSDEC Class "GA" Groundwater Quality Standards (GWQS) per 6 NYCRR Part 703.

Definitions:

B = Compound was found in the blank and sample.
J = Estimated value
NA = Not analyzed
ND = Parameter was not detected above laboratory reporting limit.
D = Dilution required due to high concentration of target analyte(s).
P = Sample filtered in the laboratory
CF6 = Results confirmed by reanalysis.

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TABLE 3 (continued)

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS [1,2]

April 2025 Monitoring Event
Peter Cooper Markhams Site
Dayton, New York

Parameter	Monitoring Location and Sample Collection Date																																GWQS [4]
	MW-7S																																
	04/24/02		06/19/09		12/30/09		05/28/10		06/22/11		06/26/12		06/24/13		06/24/14		10/27/15		10/26/16		10/20/17		10/19/18		02/05/20		06/23/21		09/30/22		12/21/23		04/29/25		
Field Measurements [3]:																																	
Sample No.	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	--
pH (units)	--	6.80	6.74	6.79	6.77	6.82	6.79	6.78	6.31	6.41	6.80	6.78	--	7.23	7.06	7.05	7.02	7.03	6.91	7.00	7.05	7.07	7.04	(5)	7.03	7.01	6.95	6.96	6.92	6.93	6.96	6.96	7.04	7.05	**6.5 - 8.5**
Temperature (^{o}C)	--	8.77	9.6	10.1	5.4	7.7	15.0	15.1	13.7	13.4	9.8	9.7	--	12.8	13.10	12.9	11.00	11.1	10.60	10.5	11.70	12.7	11.00	(5)	7.4	7.6	14.8	13.9	11.4	11.3	9.7	9.7	12.3	11.1	**NA**
Sp. Conductance (mS)	--	1959	1753	1754	1804	1799	1687	1785	1771	1660	1786	1776	--	1632	1648	1621	1612	1619	1595	1603	1498	1492	1715	(5)	1349	1375	1327	1340	1331	1330	1312	1313	1204	1206	**NA**
Turbidity (NTU)	--	12.4	>1000	180	405	537	190	27	96.8	40.4	47.6	49.4	--	32.3	443	80	120	40.1	778	351	16.9	8.12	586	(5)	365	205	71	70	38.6	33.7	64.3	45.3	29.5	20.3	**NA**
Eh (mV)	--	170	-56	-62	-62	-64	-83	-114	-86	-92	-63	-66	--	-26	-25	-41	-60	-60	-36	-36	-84	-92	-61	(5)	-9	-10	-40	-38	50	43	-49	-51	26	1	**NA**
Wet Chemistry (mg/L):																																	
Alkalinity, Total	NA		519 D		586 D		446 D		438		437		410		448		431		434		439		391		438 B		398 B		432		420		435		**NA**
Ammonia	ND		0.063		0.119		0.039 C		ND		ND		0.031		0.069		0.02		0.033		ND		0.2		0.2		0.018 JB		0.015 J		ND		ND		**2**
Nitrate (as Nitrogen)	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.03 J		0.03 J		0.2		0.037 J		0.051		**10**
Total Inorganic Compounds (mg/L):																																	
Chromium	ND		0.0055		0.0050		0.0046		0.0056		0.0057		0.0053		ND		ND		0.0051		ND		0.0082		0.0082		0.0034 J		0.0031 J		0.003 J		0.0025 J		**0.05**
Hexavalent Chromium	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.006 J		0.01		ND		**0.05**
Manganese	NA		0.264		**0.428**		0.213		0.200		0.2100		0.19		0.24		0.19		0.23		0.18		**0.39**		0.26		0.21 B		0.17 B		0.19		0.18		**0.3**
Iron	NA		**104**		**83.3**		**17.8**		**25.0**		**17.8**		**14.1**		**129**		**17**		**61.1**		**10.3**		**237**		**25**		**32**		**10.9**		**11.1 ^2**		**11.8**		**0.3**
Soluble Inorganic Compounds (mg/L):																																	
Chromium	NA		0.005 P		0.005 P		0.0043		0.0056		NA		NA		0.0044		ND		ND		NA		ND		0.003 J		ND		NA		0.0028 J		NA		**0.05**
Manganese	NA		0.206 P		0.186 P		0.193		0.2		NA		NA		0.19		0.17		0.2		NA		0.17		0.2		NA		NA		0.15 B		NA		**0.3**
Iron	NA		ND		ND		**10.8 CF6**		**10.2**		NA		NA		9.8		**8.3**		**10**		NA		**7.5**		0.43		NA		NA		**6.5**		NA		**0.3**

Notes:

1. Only those compounds detected above the method detection limit at a minimum of one sample event are reported in this table.
2. Shaded and bolded values represent an exceedance of the GWQS/GV.
3. Field measurements were collected immediately before and after groundwater sample collection.
4. NYSDEC Class "GA" Groundwater Quality Standards (GWQS) per 6 NYCRR Part 703.
5. Surface water was more turbid at time of metals collection.

Definitions:

J = Estimated value
B = Compound was found in the blank and sample.
NA = Not analyzed
ND = Parameter was not detected above laboratory reporting limit.
D = Dilution required due to high concentration of target analyte(s).
P = Sample filtered in the laboratory
CF6 = Results confirmed by reanalysis.
^2 = Calibration Blank (ICB and/or CCB) is outside acceptance limits.
F1 = MS and/or MSD recovery exceeds control limits.

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TABLE 3 (continued)

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS [1,2]

April 2025 Monitoring Event
Peter Cooper Markhams Site
Dayton, New York

Parameter	Monitoring Location and Sample Collection Date																																GWQS [4]
	MW-8S																																
	04/23/02		06/19/09		12/30/09		05/28/10		06/22/11		06/26/12		06/24/13		06/24/14		10/27/15		10/26/16		10/20/17		10/19/18		02/20/20		06/23/21		09/30/22		12/21/23		04/29/25		
Field Measurements [3]:																																	
Sample No.	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	
pH (units)	--	6.90	6.90	6.92	6.65	6.70	7.04	**6.25**	6.67	6.72	6.89	6.97	7.01	7.01	7.27	7.17	6.96	6.95	6.82	6.73	7.00	6.97	6.88	7.32	7.27	7.14	7.04	7.12	6.90	6.90	6.96	6.95	7.24	7.21	**6.5 - 8.5**
Temperature (°C)	--	7.6	11.5	12.2	6.9	6.9	16.1	12.7	13.5	14.3	12.0	12.8	13.9	14.3	13.0	14.0	12.9	13.2	12.4	12.5	14.1	14.5	13.4	12.7	4.8	5.2	11.3	11.8	13.9	15.1	8.3	8.3	9.8	9.6	**NA**
Sp. Conductance (mS)	--	755	754	764	767	767	653	635	886	879	822	809	700	691	781	766	811.5	817.4	894.0	892.0	759.3	773.6	811.0	823.0	575.7	593.5	627.0	595.0	698.8	692.1	594.3	615.3	430.8	451.9	**NA**
Turbidity (NTU)	--	17	32	22	30	19	63	5.38	34.6	20	11.3	7.96	8.52	4.88	12.3	5.97	9.17	10.8	6.81	4.96	4.85	6.11	9	9	52.1	27.8	2.92	2.22	12.4	11.6	16.1	12.6	8.34	7.82	**NA**
Eh (mV)	--	4.6	80	81	7	15	21	41	48	59	4	72	92	84	162	183	81	102	108	106	133	124	68	77	104	96	241	218	211	198	107	106	176	171	**NA**
Wet Chemistry (mg/L):																																	
Alkalinity, Total	NA		291 D		285 D		300 D		355		372		266		286		385		426		396		348		303 B		284		367		330		205		**NA**
Ammonia	0.34		0.038		0.04		0.042		0.028		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.092		**2**
Nitrate (as Nitrogen)	**14.6**		9.48 D		0.543		1.98		2.3		3.8		6.4		7		4		ND		0.54		0.82		6.9		8.8		0.16		0.81		5.7		**10**
Total Inorganic Compounds (mg/L):																																	
Chromium	ND		ND		ND		ND		0.0093		0.0044		ND		ND		ND		0.0042		ND		ND		0.0026 J		0.0016 J		0.0023 J		0.0017 J		0.001 J		**0.05**
Hexavalent Chromium	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0059 J		ND		ND		0.012		ND		**0.05**
Manganese	NA		**19.6**		**1.54**		**2.34**		**14.30**		**6**		**1.4**		**1.7**		**1.5**		**1.9**		**0.64**		**0.61**		**0.37**		0.28 B		**1.1 B**		**0.49**		**0.82**		**0.3**
Iron	NA		**1.93**		ND		0.088		**0.61**		0.15		ND		0.15		0.11		0.097		ND		0.12		**0.91**		0.047 J		0.079		0.035 J		0.28		**0.3**

Notes:

1. Only those compounds detected above the method detection limit at a minimum of one sample event are reported in this table.
2. Shaded and bolded values represent an exceedance of the GWQS/GV.
3. Field measurements were collected immediately before and after groundwater sample collection.
4. NYSDEC Class "GA" Groundwater Quality Standards (GWQS) per 6 NYCRR Part 703.

Definitions:

B = Compound was found in the blank and sample.
J = Estimated value
NA = Not analyzed
ND = Parameter was not detected above laboratory reporting limit.
D = Dilution required due to high concentration of target analyte(s).
P = Sample filtered in the laboratory
CF6 = Results confirmed by reanalysis.

ROUX

TABLE 3 (continued)

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS [1,2]

April 2025 Monitoring Event
Peter Cooper Markhams Site
Dayton, New York

Parameter	Monitoring Location and Sample Collection Date																																GWQS [4]
	MW-9S [5]																																
	04/23/02		06/19/09		12/30/09		05/28/10		06/22/11		06/26/12		06/24/13		06/24/14		10/27/15		10/26/16		10/20/17		10/19/18		02/05/20		06/23/21		09/30/22		12/21/23		04/29/25		
Field Measurements [3]:																																	
Sample No.	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	
pH (units)	--	7.36	**6.48**	6.52	6.84	6.79	7.71	6.78	**6.31**	**6.38**	6.88	7.11	7.72	7.74	7.83	7.65	7.12	7.06	7.73	7.56	7.31	7.27	7.35	7.10	6.58	6.79	6.78	6.73	6.65	6.70	7.30	7.20	7.06	7.13	**6.5 - 8.5**
Temperature (°C)	--	6.02	12.2	12.6	6.5	5.4	12.2	12.4	15.7	16.1	13.0	13.4	14.6	15.3	12.8	14.0	12.6	12.7	12.9	12.9	13.0	13.2	12.7	12.4	4.6	4.6	11.8	11.9	14.6	14.6	8.9	8.7	8.2	9.0	**NA**
Sp. Conductance (mS)	--	540	337	337	369	369	402	299	266	280	297	274	320	301	381	417	364.7	342.9	402	400	423.4	416.8	368.0	386.0	322.8	341.2	339.0	335.0	303.4	305.5	413.6	406.1	330.4	317.2	**NA**
Turbidity (NTU)	--	11.2	6.2	4	2.43	2.02	18.6	2.98	7.26	9.45	9.51	5.84	12.5	10.4	24	14	1.66	2.38	0.7	0.23	0.96	0.89	13	10	23	20.9	2.99	2.99	6.05	8.39	1.5	1.56	9.03	4.6	**NA**
Eh (mV)	--	1.8	93	90	52	56	4	50	54	80	48	23	503	132	149	155	134	131	73	71	116	114	125	115	148	142	208	241	243	245	113	113	204	208	**NA**
Wet Chemistry (mg/L):																																	
Alkalinity, Total	NA		98.4 D		98.8 D		73.5 C		39.1		82.4		92.2		90.5		116		129		137		106		104 B		81.4 B		106 B		126		112 B		**NA**
Ammonia	ND < 10		ND		0.029		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.014 J		ND		ND		ND		0.11 F1		**2**
Nitrate (as Nitrogen)	9.3		7.19 D		**11.1 D**		**12.1 D**		**13.8**		5.8		6.1		**13.7**		8.6		5.5		5.4		8.1		**12.7 H**		**12.9**		0.31		5.5		9		**10**
Sulfide, Total	NA		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		(6)		**0.05**
Total Inorganic Compounds (mg/L):																																	
Chromium	ND		0.0051		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0018 J		ND		ND		ND		ND		**0.05**
Hexavalent Chromium	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0091 J		0.031		**0.05**
Manganese	NA		**1.54**		0.005		0.004		0.008		0.0046		0.018		0.021		0.0037		0.0037		0.0076		0.007		0.11		0.0023 JB		0.00055 JB		0.0029 J		0.017		**0.3**
Iron	NA		**0.322**		ND		0.076		0.077		0.057		0.13		0.31		0.053		ND		0.1		0.069		**1.9**		0.031 J		ND		0.037 J		**0.31**		**0.3**

Notes:

1. Only those compounds detected above the method detection limit at a minimum of one sample event are reported in this table.
2. Shaded and bolded values represent an exceedance of the GWQS/GV.
3. Field measurements were collected immediately before and after groundwater sample collection.
4. NYSDEC Class "GA" Groundwater Quality Standards (GWQS) per 6 NYCRR Part 703.
5. Surface water was more turbid at time of metals collection.
6. Sulfied was not analyzed for due to an error in the field.

Definitions:

H = Sample was prepped or analyzed beyond the specified holding time.
B = Compound was found in the blank and sample.
J = Estimated value
NA = Not analyzed
ND = Parameter was not detected above laboratory reporting limit.
D = Dilution required due to high concentration of target analyte(s).
P = Sample filtered in the laboratory
CF6 = Results confirmed by reanalysis.

ROUX

TABLE 3 (continued)

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS [1,2]

April 2025 Monitoring Event
Peter Cooper Markhams Site
Dayton, New York

Parameter	Wetland-F																		GWQS [4]
	06/19/09		12/30/09	05/28/10	06/22/11	06/26/12	06/24/13		06/24/14	10/27/15	10/26/16	10/20/17	10/19/18	02/05/20	06/23/21	09/30/22	12/21/23	04/29/25	
Field Measurements [3]:																			
Sample No.	*Initial*	*Final*	*Initial*	*Initial*	*Initial*	*Initial*	*Initial*	*Final*	*Initial*	*Initial*	*Initial*	*Initial*	*Initial*	*Initial*	*Initial*	*Initial*	*Initial*	*Initial*	--
pH (units)	7.24	7.24	**6.04**	7.45	7.27	(6)	7.70	7.70	7.13	7.42	(6)	7.18	7.34	6.94	(6)	7.37	7.20	7.02	**6.5 - 8.5**
Temperature (°C)	16.7	16.9	2.00	22.00	20.90	(6)	27.8	27.7	20.00	9.40	(6)	11.4	6	0.8	(6)	9.40	2.3	18.0	**NA**
Sp. Conductance (mS)	416	426	571.8	469.0	385.0	(6)	752.8	748.0	484.0	299.4	(6)	268.8	638	611	(6)	420.5	395.4	527.6	**NA**
Turbidity (NTU)	1.2	250	588	6.79	7.83	(6)	--	--	21.3	2.97 [5]	(6)	250	8	203	(6)	857	21.6	3.65	**NA**
Eh (mV)	3	-42	-39	530	-1	(6)	97	89	86	11.8	(6)	112	-49	9	(6)	216	50	171	**NA**
Wet Chemistry (mg/L):																			
Alkalinity, Total	228 D		274 D	243 D	204	(6)	325		260	110	(6)	120	253	260 B	(6)	179	91.2	272	**NA**
Ammonia	0.065		0.167	0.088	0.2	(6)	0.20		0.090	.020	(6)	.070	0.034	0.37	(6)	0.080	ND	0.038	**2**
Nitrate (as Nitrogen)	7.9 D		ND	ND	3.8	(6)	ND		ND	ND	(6)	.27	ND	1.7	(6)	0.021 J	0.67	ND	**10**
Sulfide, Total	**0.173**		ND	ND	ND	(6)	ND		ND	ND	(6)	ND	ND	**1.2**	(6)	ND	ND	(7)	**0.05**
Total Inorganic Compounds (mg/L):																			
Chromium	ND		0.006	ND	ND	(6)	0.0045		0.0084	ND	(6)	.0041	ND	0.0049	(6)	0.0022 J	0.0022 J	ND	**0.05**
Hexavalent Chromium	ND		ND	ND	ND	(6)	ND		ND	ND	(6)	ND	ND	ND	(6)	0.0072 J	0.02 F1	0.018	**0.05**
Manganese	**0.676**		**0.305**	**0.392**	**0.51**	(6)	**2.9**		**0.76**	**2.5**	(6)	**1.0**	**0.86**	**0.84**	(6)	**1.8 B**	0.13	0.071	**0.3**
Iron	**0.647**		**6.14**	**0.715**	**0.94**	(6)	0.22		**8.8**	**2.9**	(6)	**1.0**	**3.5**	**2.6**	(6)	**1.3**	**0.57 ^2**	0.12	**0.3**
Soluble Inorganic Compounds (mg/L):																			
Chromium	ND		ND	NA	ND	(6)	NA		ND	ND	(6)	ND	ND	ND	(6)	0.0017 J	NA	NA	**0.05**
Hexavalent Chromium	NA		NA	NA	NA	(6)	NA		NA	NA	(6)	NA	NA	NA	(6)	0.0072 J	NA	NA	**0.05**
Manganese	0.0116 P		0.0272 P	NA	ND	(6)	NA		0.0043	**0.60**	(6)	0.21	0.018	**0.45**	(6)	0.00087 J	NA	NA	**0.3**
Iron	0.104 P		0.089 P	NA	0.07	(6)	NA		0.057	**1.0**	(6)	.0084	**1.9**	0.18	(6)	0.059	NA	NA	**0.3**

Notes:

1. Only those compounds detected above the method detection limit at a minimum of one sample event are reported in this table.
2. Shaded and bolded values represent an exceedance of the GWQS/GV.
3. Field measurements were collected immediately before and after groundwater sample collection.
4. NYSDEC Class "GA" Groundwater Quality Standards (GWQS) per 6 NYCRR Part 703.
5. Surface water was more turbid at time of metals collection.
6. Sample location was dry
7. Sulfide was not analyzed for due to an error in the field.

Definitions:

J = Estimated value
B = Compound was found in the blank and sample.
NA = Not analyzed
ND = Parameter was not detected above laboratory reporting limit.
D = Dilution required due to high concentration of target analyte(s).
P = Sample filtered in the laboratory
CF6 = Results confirmed by reanalysis.
^2 = Calibration Blank (ICB and/or CCB) is outside acceptance limits.
F1 = MS and/or MSD recovery exceeds control limits.

ATTACHMENT 1

SAMPLE COLLECTION LOGS

ROUX

GROUNDWATER FIELD FORM

Project Name: PCC - Markhams Date: 4/29/25

Location: Markhams Project No.: Field Team: TAB / GAF

Well No. MW-8S			Diameter (inches): 2"			Sample Date / Time: 4/29/25 1103			
Product Depth (fbTOR):			Water Column (ft): 8.43			DTW when sampled: 4.36			
DTW (static) (fbTOR): 4.17			One Well Volume (gal): 1.37			Purpose: ☐ Development ☐ Sample ☑ Purge & Sample			
Total Depth (fbTOR): 12.55			Total Volume Purged (gal): 1.50			Purge Method: Low Flow			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1057	0 Initial	0	7.12	14.3	340.7	475	–	196	Cloudy, slight sulfur odor
1059	1 4.35	0.4	7.30	11.1	292.1	152	–	183	Clear, slight odor
1100	2 4.35	0.5	7.28	9.3	338.9	60.4	–	181	↓
1101	3 4.35	0.75	7.20	10.0	379.7	28.5	–	180	↓
1102	4 4.35	1.25	7.21	9.2	418.6	10.1	–	178	
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1103	S1 4.35	1.5	7.24	9.8	430.8	8.34	–	176	Clear, slight odor
1107	S2 4.32	1.75	7.21	9.6	451.9	7.82	–	171	↓

Well No. MW-7S			Diameter (inches):			Sample Date / Time: 4/29/25 1136			
Product Depth (fbTOR):			Water Column (ft): 7.55			DTW when sampled:			
DTW (static) (fbTOR): 11.15			One Well Volume (gal): 1.23			Purpose: ☐ Development ☐ Sample ☐ Purge & Sample			
Total Depth (fbTOR): 18.70			Total Volume Purged (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1116	0 Initial	0	7.04	13.3	1137	>1000	–	143	Brown, slight petroleum odor
1117	1 11.74	0.25	7.01	10.9	1137	>1000	–	98	↓
1119	2 11.84	0.5	7.02	10.6	1148	892	–	70	↓
1121	3 11.85	0.75	7.00	10.3	1144	580	–	44	↓
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1136	S1 12.01	2.5	7.04	12.3	1204	29.5	–	26	Clear, slight odor
1141	S2 11.64	3	7.05	11.1	1206	20.3	–	1	↓

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: TAB

ROUX

GROUNDWATER FIELD FORM

Project Name: PCC - Markhams Date: 4/29/25

Location: Markhams Project No.: Field Team: TAB/GAF

Well No. MW-9S			Diameter (inches): 2"			Sample Date / Time: 4/29/25 0938			
Product Depth (fbTOR):			Water Column (ft): 9.16			DTW when sampled: 4.51			
DTW (static) (fbTOR): 4.39			One Well Volume (gal): 1.49			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 13.55			Total Volume Purged (gal): 2.50			Purge Method: Low Flow			

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
0928	0 Initial	0	6.05	15.2	433.7	612	—	210	Cloudy, no odor
0931	1 4.55	0.75	6.57	9.9	357.2	125	—	196	Clear, no odor
0934	2 4.51	1.5	6.91	9.4	333.5	21.1	—	198	↓
0935	3 4.51	2	6.97	8.2	333.2	16.5	—	201	↓
0937	4 4.51	2.75	7.00	8.3	326.1	10.2	—	203	↓
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information: MS/MSD Collected									
0938	S1 4.51	2.5	7.06	8.2	330.4	9.03	—	204	Clear, no odor
0945	S2 4.51	2.5	7.13	9.0	317.2	4.60	—	208	↓

Well No. MW-5S			Diameter (inches): 2"			Sample Date / Time: 4/29/25 1021			
Product Depth (fbTOR):			Water Column (ft): 6.28			DTW when sampled: 3.09			
DTW (static) (fbTOR): 2.91			One Well Volume (gal): 1.02			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 9.19			Total Volume Purged (gal): 1.75			Purge Method: Low Flow			

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1013	0 Initial	0	6.68	11.1	972.1	56.9	—	233	Clear, slight sulfur odor
1015	1 3.08	0.5	6.86	10.9	973.4	16.8	—	216	↓
1017	2 3.04	0.80	6.90	10.5	971.6	9.06	—	208	↓
1019	3 3.09	1.5	6.91	9.6	970.3	7.44	—	204	↓
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1021	S1 3.09	1.75	6.91	9.6	960.3	4.93	—	200	Clear, slight sulfur odor
1026	S2 3.08	2.75	6.95	10.1	929.1	2.13	—	186	↓

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: TAB

ROUX

WATER SAMPLE COLLECTION LOG

PROJECT INFORMATION

Project Name: Markham GWM

Project No.:

Client:

Location: Markham NY

SAMPLE DESCRIPTION

I.D.: WETLAND F.

Matrix: ☒ SURFACE WATER ☐ STORM ☐ SEEP ☐ OTHER

SAMPLE INFORMATION

Date Collected: 4/29/25

Time Collected: 1017

Date Shipped to Lab: 4/29/25

Collected By: DAB

Sample Type: ☐ POINT ☐ GRAB ☐ COMPOSITE

Sample Collection Method: ☒ DIRECT DIP ☐ SS / POLY. DIPPER ☐ PERISTALTIC PUMP ☐ POLY. DISP. BAILER ☐ ISCO SAMPLER ☐ OTHER

SAMPLING INFORMATION

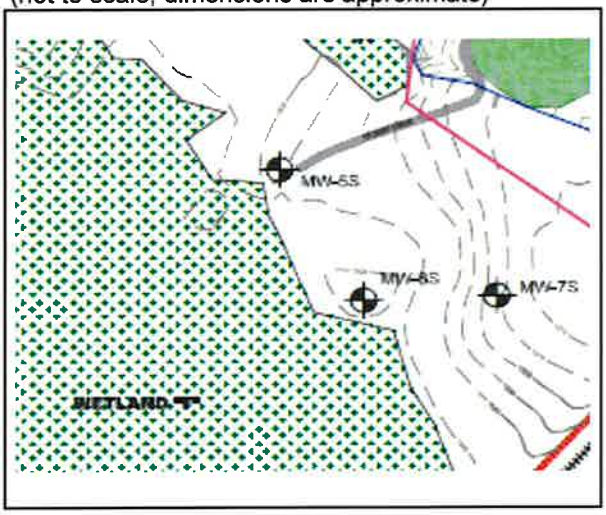
Weather:

Air Temperature:

Parameter	First	Last	Units
pH	7.62	—	units
Temp.	18.0	—	°C
Cond.	527.6	—	mS
Turbidity	3.65	—	NTU
Eh / ORP	171	—	mV
D.O.			ppm
Odor	No odor	—	olfactory
Appearance	Slightly cloudy	—	visual

LOCATION SKETCH

(not to scale, dimensions are approximate)



EXACT LOCATION (if applicable)

Northing (ft)	Easting (ft)	Surface Elevation (fmsl)

SAMPLE DESCRIPTION (appearance, olfactory):

SAMPLE ANALYSIS (depth, laboratory analysis required):

ADDITIONAL REMARKS:

PREPARED BY: DAB **DATE:** 4/29/25

ATTACHMENT 2

ANALYTICAL DATA PACKAGE

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Tom Forbes
Roux Environmental Engineering and Geology DPC
2558 Hamburg Turnpike
Suite 300
Lackawanna, New York 14218

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JOB DESCRIPTION

Benchmark-Peter Cooper sites
Annual sampling

JOB NUMBER

480-229057-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

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5/7/2025 4:15:28 PM

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Definitions/Glossary

Client: Roux Environmental Engineering and Geology DPC
Job ID: 480-229057-1
Project/Site: Benchmark-Peter Cooper sites

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-229057-1 Eurofins Buffalo

Job Narrative
480-229057-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/29/2025 2:21 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.8°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 310.2: The method blank for analytical batch 480-745339 contained alkalinity above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 310.2: The method requirement for no headspace was not met. The following samples were analyzed with headspace in the sample container(s): WETLAND F (480-229057-1), MW-5S (480-229057-2), MW-7S (480-229057-3), MW-8S (480-229057-4), MW-9S (480-229057-5), (480-229057-F-1 MS) and (480-229057-F-1 MSD).

Method 350.1: The following sample was preserved at the bench in order to meet method requirements.

Blind Duplicate (480-229057-6)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Roux Environmental Engineering and Geology DPC
Job ID: 480-229057-1
Project/Site: Benchmark-Peter Cooper sites

Client Sample ID: WETLAND F — Lab Sample ID: 480-229057-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.12		0.050	0.019	mg/L	1		6010D	Total/NA
Manganese	0.071		0.0030	0.00040	mg/L	1		6010D	Total/NA
Alkalinity, Total	272		50.0	20.0	mg/L	5		310.2	Total/NA
Ammonia (as N)	0.038		0.020	0.0090	mg/L	1		350.1	Total/NA
Chromium (hexavalent)	0.018		0.010	0.0050	mg/L	1		7196A	Total/NA

Client Sample ID: MW-5S — Lab Sample ID: 480-229057-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.0035	J	0.0040	0.0010	mg/L	1		6010D	Total/NA
Iron	0.18		0.050	0.019	mg/L	1		6010D	Total/NA
Manganese	2.4		0.0030	0.00040	mg/L	1		6010D	Total/NA
Alkalinity, Total	460		50.0	20.0	mg/L	5		310.2	Total/NA
Ammonia (as N)	20.5		0.40	0.18	mg/L	20		350.1	Total/NA
Nitrate as N	0.77		0.050	0.020	mg/L	1		353.2	Total/NA

Client Sample ID: MW-7S — Lab Sample ID: 480-229057-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.0025	J	0.0040	0.0010	mg/L	1		6010D	Total/NA
Iron	11.8		0.050	0.019	mg/L	1		6010D	Total/NA
Manganese	0.18		0.0030	0.00040	mg/L	1		6010D	Total/NA
Alkalinity, Total	435		50.0	20.0	mg/L	5		310.2	Total/NA
Ammonia (as N)	0.051		0.020	0.0090	mg/L	1		350.1	Total/NA

Client Sample ID: MW-8S — Lab Sample ID: 480-229057-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.0010	J	0.0040	0.0010	mg/L	1		6010D	Total/NA
Iron	0.28		0.050	0.019	mg/L	1		6010D	Total/NA
Manganese	0.82		0.0030	0.00040	mg/L	1		6010D	Total/NA
Alkalinity, Total	205		50.0	20.0	mg/L	5		310.2	Total/NA
Ammonia (as N)	0.092		0.020	0.0090	mg/L	1		350.1	Total/NA
Nitrate as N	5.7		0.050	0.020	mg/L	1		353.2	Total/NA

Client Sample ID: MW-9S — Lab Sample ID: 480-229057-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.31		0.050	0.019	mg/L	1		6010D	Total/NA
Manganese	0.017		0.0030	0.00040	mg/L	1		6010D	Total/NA
Alkalinity, Total	112	B	50.0	20.0	mg/L	5		310.2	Total/NA
Ammonia (as N)	0.11	F1	0.020	0.0090	mg/L	1		350.1	Total/NA
Nitrate as N	9.0		0.050	0.020	mg/L	1		353.2	Total/NA
Chromium (hexavalent)	0.031		0.010	0.0050	mg/L	1		7196A	Total/NA

Client Sample ID: Blind Duplicate — Lab Sample ID: 480-229057-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.0033	J	0.0040	0.0010	mg/L	1		6010D	Total/NA
Iron	0.12		0.050	0.019	mg/L	1		6010D	Total/NA
Manganese	2.2		0.0030	0.00040	mg/L	1		6010D	Total/NA
Ammonia (as N)	19.1		0.40	0.18	mg/L	20		350.1	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Roux Environmental Engineering and Geology DPC
Job ID: 480-229057-1
Project/Site: Benchmark-Peter Cooper sites

Client Sample ID: WETLAND F
Lab Sample ID: 480-229057-1

Date Collected: 04/29/25 10:17
Matrix: Water
Date Received: 04/29/25 14:21

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		04/30/25 08:32	04/30/25 15:51	1
Chromium	ND		0.0040	0.0010	mg/L		04/30/25 08:32	04/30/25 15:51	1
Iron	**0.12**		0.050	0.019	mg/L		04/30/25 08:32	04/30/25 15:51	1
Manganese	**0.071**		0.0030	0.00040	mg/L		04/30/25 08:32	04/30/25 15:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (EPA 310.2)	**272**		50.0	20.0	mg/L			05/06/25 12:19	5
Ammonia (as N) (EPA 350.1)	**0.038**		0.020	0.0090	mg/L			04/30/25 16:22	1
Nitrate as N (EPA 353.2)	ND		0.050	0.020	mg/L			04/30/25 15:51	1
Chromium (hexavalent) (SW846 7196A)	**0.018**		0.010	0.0050	mg/L			04/30/25 09:55	1

Client Sample Results

Client: Roux Environmental Engineering and Geology DPC
Job ID: 480-229057-1
Project/Site: Benchmark-Peter Cooper sites

Client Sample ID: MW-5S
Lab Sample ID: 480-229057-2
Date Collected: 04/29/25 10:21
Matrix: Water
Date Received: 04/29/25 14:21

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		04/30/25 08:32	04/30/25 15:52	1
Chromium	**0.0035**	**J**	0.0040	0.0010	mg/L		04/30/25 08:32	04/30/25 15:52	1
Iron	**0.18**		0.050	0.019	mg/L		04/30/25 08:32	04/30/25 15:52	1
Manganese	**2.4**		0.0030	0.00040	mg/L		04/30/25 08:32	04/30/25 15:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (EPA 310.2)	**460**		50.0	20.0	mg/L			05/06/25 12:19	5
Ammonia (as N) (EPA 350.1)	**20.5**		0.40	0.18	mg/L			04/30/25 18:23	20
Nitrate as N (EPA 353.2)	**0.77**		0.050	0.020	mg/L			04/30/25 15:57	1
Chromium (hexavalent) (SW846 7196A)	ND		0.010	0.0050	mg/L			04/30/25 09:55	1

Client Sample Results

Client: Roux Environmental Engineering and Geology DPC
Job ID: 480-229057-1
Project/Site: Benchmark-Peter Cooper sites

Client Sample ID: MW-7S
Lab Sample ID: 480-229057-3
Date Collected: 04/29/25 11:36
Matrix: Water
Date Received: 04/29/25 14:21

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		04/30/25 08:32	04/30/25 15:54	1
Chromium	**0.0025**	**J**	0.0040	0.0010	mg/L		04/30/25 08:32	04/30/25 15:54	1
Iron	**11.8**		0.050	0.019	mg/L		04/30/25 08:32	04/30/25 15:54	1
Manganese	**0.18**		0.0030	0.00040	mg/L		04/30/25 08:32	04/30/25 15:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (EPA 310.2)	**435**		50.0	20.0	mg/L			05/06/25 12:20	5
Ammonia (as N) (EPA 350.1)	**0.051**		0.020	0.0090	mg/L			04/30/25 16:26	1
Nitrate as N (EPA 353.2)	ND		0.050	0.020	mg/L			04/30/25 15:59	1
Chromium (hexavalent) (SW846 7196A)	ND		0.010	0.0050	mg/L			04/30/25 09:55	1

Client Sample Results

Client: Roux Environmental Engineering and Geology DPC
Job ID: 480-229057-1
Project/Site: Benchmark-Peter Cooper sites

Client Sample ID: MW-8S
Lab Sample ID: 480-229057-4
Date Collected: 04/29/25 11:03
Matrix: Water
Date Received: 04/29/25 14:21

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		04/30/25 08:32	04/30/25 15:56	1
Chromium	**0.0010**	**J**	0.0040	0.0010	mg/L		04/30/25 08:32	04/30/25 15:56	1
Iron	**0.28**		0.050	0.019	mg/L		04/30/25 08:32	04/30/25 15:56	1
Manganese	**0.82**		0.0030	0.00040	mg/L		04/30/25 08:32	04/30/25 15:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (EPA 310.2)	**205**		50.0	20.0	mg/L			05/06/25 12:20	5
Ammonia (as N) (EPA 350.1)	**0.092**		0.020	0.0090	mg/L			04/30/25 16:27	1
Nitrate as N (EPA 353.2)	**5.7**		0.050	0.020	mg/L			04/30/25 10:52	1
Chromium (hexavalent) (SW846 7196A)	ND		0.010	0.0050	mg/L			04/30/25 09:55	1

Client: Roux Environmental Engineering and Geology DPC
Job ID: 480-229057-1
Project/Site: Benchmark-Peter Cooper sites

Client Sample ID: MW-9S
Lab Sample ID: 480-229057-5
Date Collected: 04/29/25 09:38
Matrix: Water
Date Received: 04/29/25 14:21

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		04/30/25 08:32	04/30/25 15:58	1
Chromium	ND		0.0040	0.0010	mg/L		04/30/25 08:32	04/30/25 15:58	1
Iron	**0.31**		0.050	0.019	mg/L		04/30/25 08:32	04/30/25 15:58	1
Manganese	**0.017**		0.0030	0.00040	mg/L		04/30/25 08:32	04/30/25 15:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (EPA 310.2)	**112**	**B**	50.0	20.0	mg/L			05/06/25 12:56	5
Ammonia (as N) (EPA 350.1)	**0.11**	**F1**	0.020	0.0090	mg/L			04/30/25 18:53	1
Nitrate as N (EPA 353.2)	**9.0**		0.050	0.020	mg/L			04/30/25 10:52	1
Chromium (hexavalent) (SW846 7196A)	**0.031**		0.010	0.0050	mg/L			04/29/25 20:43	1

Client: Roux Environmental Engineering and Geology DPC
Job ID: 480-229057-1
Project/Site: Benchmark-Peter Cooper sites

Client Sample ID: Blind Duplicate
Lab Sample ID: 480-229057-6

Date Collected: 04/29/25 07:00
Matrix: Water

Date Received: 04/29/25 14:21

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		04/30/25 08:32	04/30/25 16:13	1
Chromium	**0.0033**	**J**	0.0040	0.0010	mg/L		04/30/25 08:32	04/30/25 16:13	1
Iron	**0.12**		0.050	0.019	mg/L		04/30/25 08:32	04/30/25 16:13	1
Manganese	**2.2**		0.0030	0.00040	mg/L		04/30/25 08:32	04/30/25 16:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N) (EPA 350.1)	**19.1**		0.40	0.18	mg/L			05/06/25 16:28	20

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 480-744788/1-A
Matrix: Water
Analysis Batch: 744953

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 744788

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		04/30/25 08:32	04/30/25 15:41	1
Chromium	ND		0.0040	0.0010	mg/L		04/30/25 08:32	04/30/25 15:41	1
Iron	ND		0.050	0.019	mg/L		04/30/25 08:32	04/30/25 15:41	1
Manganese	ND		0.0030	0.00040	mg/L		04/30/25 08:32	04/30/25 15:41	1

Lab Sample ID: LCS 480-744788/2-A
Matrix: Water
Analysis Batch: 744953

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 744788

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	0.984		mg/L		98	80 - 120
Chromium	0.500	0.515		mg/L		103	80 - 120
Iron	5.10	5.72		mg/L		112	80 - 120
Manganese	0.500	0.500		mg/L		100	80 - 120

Lab Sample ID: 480-229057-5 MS
Matrix: Water
Analysis Batch: 744953

Client Sample ID: MW-9S
Prep Type: Total/NA
Prep Batch: 744788

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		1.00	0.989		mg/L		99	75 - 125
Chromium	ND		0.500	0.510		mg/L		102	75 - 125
Iron	0.31		5.10	5.80		mg/L		108	75 - 125
Manganese	0.017		0.500	0.500		mg/L		97	75 - 125

Lab Sample ID: 480-229057-5 MSD
Matrix: Water
Analysis Batch: 744953

Client Sample ID: MW-9S
Prep Type: Total/NA
Prep Batch: 744788

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		1.00	1.01		mg/L		101	75 - 125	2	20
Chromium	ND		0.500	0.521		mg/L		104	75 - 125	2	20
Iron	0.31		5.10	5.90		mg/L		110	75 - 125	2	20
Manganese	0.017		0.500	0.509		mg/L		98	75 - 125	2	20

Method: 310.2 - Alkalinity

Lab Sample ID: MB 480-745339/13
Matrix: Water
Analysis Batch: 745339

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		10.0	4.0	mg/L			05/06/25 12:02	1

Lab Sample ID: MB 480-745339/23
Matrix: Water
Analysis Batch: 745339

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	6.51	J	10.0	4.0	mg/L			05/06/25 12:56	1

Method: 310.2 - Alkalinity

Lab Sample ID: LCS 480-745339/12
Matrix: Water
Analysis Batch: 745339

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	50.0	45.67		mg/L		91	90 - 110

Lab Sample ID: LCS 480-745339/22
Matrix: Water
Analysis Batch: 745339

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	50.0	51.58		mg/L		103	90 - 110

Lab Sample ID: 480-229057-1 MS
Matrix: Water
Analysis Batch: 745339

Client Sample ID: WETLAND F
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	272		20.0	285.0	4	mg/L		63	60 - 140

Lab Sample ID: 480-229057-1 MSD
Matrix: Water
Analysis Batch: 745339

Client Sample ID: WETLAND F
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity, Total	272		20.0	286.6	4	mg/L		71	60 - 140	1	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-744981/100
Matrix: Water
Analysis Batch: 744981

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.020	0.0090	mg/L			04/30/25 17:50	1

Lab Sample ID: MB 480-744981/40
Matrix: Water
Analysis Batch: 744981

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.020	0.0090	mg/L			04/30/25 16:15	1

Lab Sample ID: LCS 480-744981/101
Matrix: Water
Analysis Batch: 744981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia (as N)	1.00	1.00		mg/L		100	90 - 110

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 480-744981/41
Matrix: Water
Analysis Batch: 744981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia (as N)			1.00	0.980		mg/L		98	90 - 110		

Lab Sample ID: 480-229057-2 MS
Matrix: Water
Analysis Batch: 744981

Client Sample ID: MW-5S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia (as N)	20.5		1.60	20.66	4	mg/L		9	90 - 110		

Lab Sample ID: 480-229057-5 MS
Matrix: Water
Analysis Batch: 744981

Client Sample ID: MW-9S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia (as N)	0.11	F1	0.0800	0.179	F1	mg/L		81	90 - 110		

Lab Sample ID: 480-229057-5 MSD
Matrix: Water
Analysis Batch: 744981

Client Sample ID: MW-9S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia (as N)	0.11	F1	0.0800	0.155	F1	mg/L		51	90 - 110	14	20

Lab Sample ID: MB 480-745366/18
Matrix: Water
Analysis Batch: 745366

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (as N)	ND		0.020	0.0090	mg/L			05/06/25 15:32	1

Lab Sample ID: LCS 480-745366/19
Matrix: Water
Analysis Batch: 745366

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia (as N)			1.00	0.974		mg/L		97	90 - 110		

Lab Sample ID: 480-229057-6 MS
Matrix: Water
Analysis Batch: 745366

Client Sample ID: Blind Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia (as N)	19.1		1.60	19.30	4	mg/L		13	90 - 110		

Lab Sample ID: 480-229057-6 MSD
Matrix: Water
Analysis Batch: 745366

Client Sample ID: Blind Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia (as N)	19.1		1.60	19.27	4	mg/L		11	90 - 110	0	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 480-744804/3
Matrix: Water
Analysis Batch: 744804

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent)	ND		0.010	0.0050	mg/L			04/29/25 20:43	1

Lab Sample ID: LCS 480-744804/4
Matrix: Water
Analysis Batch: 744804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (hexavalent)	0.0500	0.0460		mg/L		92	85 - 115

Lab Sample ID: MB 480-744856/3
Matrix: Water
Analysis Batch: 744856

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent)	ND		0.010	0.0050	mg/L			04/30/25 09:55	1

Lab Sample ID: LCS 480-744856/4
Matrix: Water
Analysis Batch: 744856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (hexavalent)	0.0500	0.0520		mg/L		104	85 - 115

Lab Sample ID: 480-229057-2 MS
Matrix: Water
Analysis Batch: 744856

Client Sample ID: MW-5S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (hexavalent)	ND		0.0500	0.0484		mg/L		97	85 - 115

Lab Sample ID: 480-229057-1 DU
Matrix: Water
Analysis Batch: 744856

Client Sample ID: WETLAND F
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium (hexavalent)	0.018		0.0170		mg/L		7	20

Lab Sample ID: 480-229057-3 DU
Matrix: Water
Analysis Batch: 744856

Client Sample ID: MW-7S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium (hexavalent)	ND		ND		mg/L		NC	20

Lab Sample ID: 480-229057-4 DU
Matrix: Water
Analysis Batch: 744856

Client Sample ID: MW-8S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium (hexavalent)	ND		ND		mg/L		NC	20

Metals

Prep Batch: 744788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229057-1	WETLAND F	Total/NA	Water	3005A	
480-229057-2	MW-5S	Total/NA	Water	3005A	
480-229057-3	MW-7S	Total/NA	Water	3005A	
480-229057-4	MW-8S	Total/NA	Water	3005A	
480-229057-5	MW-9S	Total/NA	Water	3005A	
480-229057-6	Blind Duplicate	Total/NA	Water	3005A	
MB 480-744788/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-744788/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-229057-5 MS	MW-9S	Total/NA	Water	3005A	
480-229057-5 MSD	MW-9S	Total/NA	Water	3005A	

Analysis Batch: 744953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229057-1	WETLAND F	Total/NA	Water	6010D	744788
480-229057-2	MW-5S	Total/NA	Water	6010D	744788
480-229057-3	MW-7S	Total/NA	Water	6010D	744788
480-229057-4	MW-8S	Total/NA	Water	6010D	744788
480-229057-5	MW-9S	Total/NA	Water	6010D	744788
480-229057-6	Blind Duplicate	Total/NA	Water	6010D	744788
MB 480-744788/1-A	Method Blank	Total/NA	Water	6010D	744788
LCS 480-744788/2-A	Lab Control Sample	Total/NA	Water	6010D	744788
480-229057-5 MS	MW-9S	Total/NA	Water	6010D	744788
480-229057-5 MSD	MW-9S	Total/NA	Water	6010D	744788

General Chemistry

Analysis Batch: 744804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229057-5	MW-9S	Total/NA	Water	7196A	
MB 480-744804/3	Method Blank	Total/NA	Water	7196A	
LCS 480-744804/4	Lab Control Sample	Total/NA	Water	7196A	

Analysis Batch: 744856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229057-1	WETLAND F	Total/NA	Water	7196A	
480-229057-2	MW-5S	Total/NA	Water	7196A	
480-229057-3	MW-7S	Total/NA	Water	7196A	
480-229057-4	MW-8S	Total/NA	Water	7196A	
MB 480-744856/3	Method Blank	Total/NA	Water	7196A	
LCS 480-744856/4	Lab Control Sample	Total/NA	Water	7196A	
480-229057-2 MS	MW-5S	Total/NA	Water	7196A	
480-229057-1 DU	WETLAND F	Total/NA	Water	7196A	
480-229057-3 DU	MW-7S	Total/NA	Water	7196A	
480-229057-4 DU	MW-8S	Total/NA	Water	7196A	

Analysis Batch: 744932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229057-1	WETLAND F	Total/NA	Water	353.2	
480-229057-2	MW-5S	Total/NA	Water	353.2	
480-229057-3	MW-7S	Total/NA	Water	353.2	

General Chemistry

Analysis Batch: 744977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229057-4	MW-8S	Total/NA	Water	353.2	
480-229057-5	MW-9S	Total/NA	Water	353.2	

Analysis Batch: 744981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229057-1	WETLAND F	Total/NA	Water	350.1	
480-229057-2	MW-5S	Total/NA	Water	350.1	
480-229057-3	MW-7S	Total/NA	Water	350.1	
480-229057-4	MW-8S	Total/NA	Water	350.1	
480-229057-5	MW-9S	Total/NA	Water	350.1	
MB 480-744981/100	Method Blank	Total/NA	Water	350.1	
MB 480-744981/40	Method Blank	Total/NA	Water	350.1	
LCS 480-744981/101	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-744981/41	Lab Control Sample	Total/NA	Water	350.1	
480-229057-2 MS	MW-5S	Total/NA	Water	350.1	
480-229057-5 MS	MW-9S	Total/NA	Water	350.1	
480-229057-5 MSD	MW-9S	Total/NA	Water	350.1	

Analysis Batch: 745339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229057-1	WETLAND F	Total/NA	Water	310.2	
480-229057-2	MW-5S	Total/NA	Water	310.2	
480-229057-3	MW-7S	Total/NA	Water	310.2	
480-229057-4	MW-8S	Total/NA	Water	310.2	
480-229057-5	MW-9S	Total/NA	Water	310.2	
MB 480-745339/13	Method Blank	Total/NA	Water	310.2	
MB 480-745339/23	Method Blank	Total/NA	Water	310.2	
LCS 480-745339/12	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-745339/22	Lab Control Sample	Total/NA	Water	310.2	
480-229057-1 MS	WETLAND F	Total/NA	Water	310.2	
480-229057-1 MSD	WETLAND F	Total/NA	Water	310.2	

Analysis Batch: 745366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229057-6	Blind Duplicate	Total/NA	Water	350.1	
MB 480-745366/18	Method Blank	Total/NA	Water	350.1	
LCS 480-745366/19	Lab Control Sample	Total/NA	Water	350.1	
480-229057-6 MS	Blind Duplicate	Total/NA	Water	350.1	
480-229057-6 MSD	Blind Duplicate	Total/NA	Water	350.1	

Lab Chronicle

Client: Roux Environmental Engineering and Geology DPC
Job ID: 480-229057-1
Project/Site: Benchmark-Peter Cooper sites

Client Sample ID: WETLAND F
Lab Sample ID: 480-229057-1
Date Collected: 04/29/25 10:17
Matrix: Water
Date Received: 04/29/25 14:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			744788	EMO	EET BUF	04/30/25 08:32
Total/NA	Analysis	6010D		1	744953	BMB	EET BUF	04/30/25 15:51
Total/NA	Analysis	310.2		5	745339	CG	EET BUF	05/06/25 12:19
Total/NA	Analysis	350.1		1	744981	AM	EET BUF	04/30/25 16:22
Total/NA	Analysis	353.2		1	744932	AM	EET BUF	04/30/25 15:51
Total/NA	Analysis	7196A		1	744856	KM	EET BUF	04/30/25 09:55

Client Sample ID: MW-5S
Lab Sample ID: 480-229057-2
Date Collected: 04/29/25 10:21
Matrix: Water
Date Received: 04/29/25 14:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			744788	EMO	EET BUF	04/30/25 08:32
Total/NA	Analysis	6010D		1	744953	BMB	EET BUF	04/30/25 15:52
Total/NA	Analysis	310.2		5	745339	CG	EET BUF	05/06/25 12:19
Total/NA	Analysis	350.1		20	744981	AM	EET BUF	04/30/25 18:23
Total/NA	Analysis	353.2		1	744932	AM	EET BUF	04/30/25 15:57
Total/NA	Analysis	7196A		1	744856	KM	EET BUF	04/30/25 09:55

Client Sample ID: MW-7S
Lab Sample ID: 480-229057-3
Date Collected: 04/29/25 11:36
Matrix: Water
Date Received: 04/29/25 14:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			744788	EMO	EET BUF	04/30/25 08:32
Total/NA	Analysis	6010D		1	744953	BMB	EET BUF	04/30/25 15:54
Total/NA	Analysis	310.2		5	745339	CG	EET BUF	05/06/25 12:20
Total/NA	Analysis	350.1		1	744981	AM	EET BUF	04/30/25 16:26
Total/NA	Analysis	353.2		1	744932	AM	EET BUF	04/30/25 15:59
Total/NA	Analysis	7196A		1	744856	KM	EET BUF	04/30/25 09:55

Client Sample ID: MW-8S
Lab Sample ID: 480-229057-4
Date Collected: 04/29/25 11:03
Matrix: Water
Date Received: 04/29/25 14:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			744788	EMO	EET BUF	04/30/25 08:32
Total/NA	Analysis	6010D		1	744953	BMB	EET BUF	04/30/25 15:56
Total/NA	Analysis	310.2		5	745339	CG	EET BUF	05/06/25 12:20
Total/NA	Analysis	350.1		1	744981	AM	EET BUF	04/30/25 16:27
Total/NA	Analysis	353.2		1	744977	JJP	EET BUF	04/30/25 10:52
Total/NA	Analysis	7196A		1	744856	KM	EET BUF	04/30/25 09:55

Lab Chronicle

Client: Roux Environmental Engineering and Geology DPC
Job ID: 480-229057-1
Project/Site: Benchmark-Peter Cooper sites

Client Sample ID: MW-9S
Lab Sample ID: 480-229057-5
Date Collected: 04/29/25 09:38
Matrix: Water
Date Received: 04/29/25 14:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			744788	EMO	EET BUF	04/30/25 08:32
Total/NA	Analysis	6010D		1	744953	BMB	EET BUF	04/30/25 15:58
Total/NA	Analysis	310.2		5	745339	CG	EET BUF	05/06/25 12:56
Total/NA	Analysis	350.1		1	744981	AM	EET BUF	04/30/25 18:53
Total/NA	Analysis	353.2		1	744977	JJP	EET BUF	04/30/25 10:52
Total/NA	Analysis	7196A		1	744804	GW	EET BUF	04/29/25 20:43

Client Sample ID: Blind Duplicate
Lab Sample ID: 480-229057-6
Date Collected: 04/29/25 07:00
Matrix: Water
Date Received: 04/29/25 14:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			744788	EMO	EET BUF	04/30/25 08:32
Total/NA	Analysis	6010D		1	744953	BMB	EET BUF	04/30/25 16:13
Total/NA	Analysis	350.1		20	745366	AM	EET BUF	05/06/25 16:28

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Roux Environmental Engineering and Geology DPC
Job ID: 480-229057-1
Project/Site: Benchmark-Peter Cooper sites

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

Method Summary

Client: Roux Environmental Engineering and Geology DPC
Job ID: 480-229057-1
Project/Site: Benchmark-Peter Cooper sites

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET BUF
310.2	Alkalinity	EPA	EET BUF
350.1	Nitrogen, Ammonia	EPA	EET BUF
353.2	Nitrate	EPA	EET BUF
7196A	Chromium, Hexavalent	SW846	EET BUF
3005A	Preparation, Total Metals	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Roux Environmental Engineering and Geology DPC
Job ID: 480-229057-1
Project/Site: Benchmark-Peter Cooper sites

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-229057-1	WETLAND F	Water	04/29/25 10:17	04/29/25 14:21
480-229057-2	MW-5S	Water	04/29/25 10:21	04/29/25 14:21
480-229057-3	MW-7S	Water	04/29/25 11:36	04/29/25 14:21
480-229057-4	MW-8S	Water	04/29/25 11:03	04/29/25 14:21
480-229057-5	MW-9S	Water	04/29/25 09:38	04/29/25 14:21
480-229057-6	Blind Duplicate	Water	04/29/25 07:00	04/29/25 14:21

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information

Client Contact: Mr. Rick Dubisz	Sampler: Thomas Behrendt	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-204351-27561.1
Company: Roux Environmental Engineering and Geology DPC	Phone: (716) 796-4967	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Address: 2558 Hamburg Turnpike Suite 300	PWSID:			Job #:
City: Lackawanna	Due Date Requested:			
State, Zip: NY, 14218	TAT Requested (days):			
Phone:	Compliance Project: Δ Yes Δ No			
Email: rdubisz@rouxinc.com	PO #: Purchase Order Requested			
Project Name: Benchmark-Peter Cooper (Markhams)	WO #:			
Site: New York	Project #: 48004066			
	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
D - HNO3
CB - ZnAcetate/NaOH
N - None
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 - (MOD) Local Method	6010C - (MOD)As/Cr/Fe/Mn only (Markhams)	6010C - (MOD)B, As/Cr/Fe/Mn only (Markhams)	SM4500_S2_D - Local Method	353.2, 353.2_Nitrite, Nitrate_Calc	7196A - Local Method	310.2 - (MOD) Local Method	Total Number of containers	Special Instructions/Note:
Preservation Code:							S	D	D	CB	N	N	N		
WETLAND F	4/29/25	1017	G	Water			X	X	X	X	X	X	X		
MW-5S		1021		Water			X	X	X	X	X	X	X		
MW-7S		1136		Water			X	X	X	X	X	X	X		
MW-8S		1103		Water			X	X	X	X	X	X	X		
MW-9S		0938		Water	X		X	X	X	X	X	X	X		
BLIND DUPLICATE		0700		Water			X	X							
MS - 9S		0938		Water			X								
MSD - 9S		0938		Water			X								

480-229057 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Cat B

Special Instructions/QC Requirements:

Empty Kit Relinquished by: ~~Georgia Farry~~	Date:	Time:	Method of Shipment:		
Relinquished by: Georgia Farry	Date/Time: 4/29/25 1421	Company ROUX	Received by:	Date/Time: 4-29-25 1421	Company TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.8 ICE IR# SC

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Roux Environmental Engineering and Geology DPC

Job Number: 480-229057-1

Login Number: 229057
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

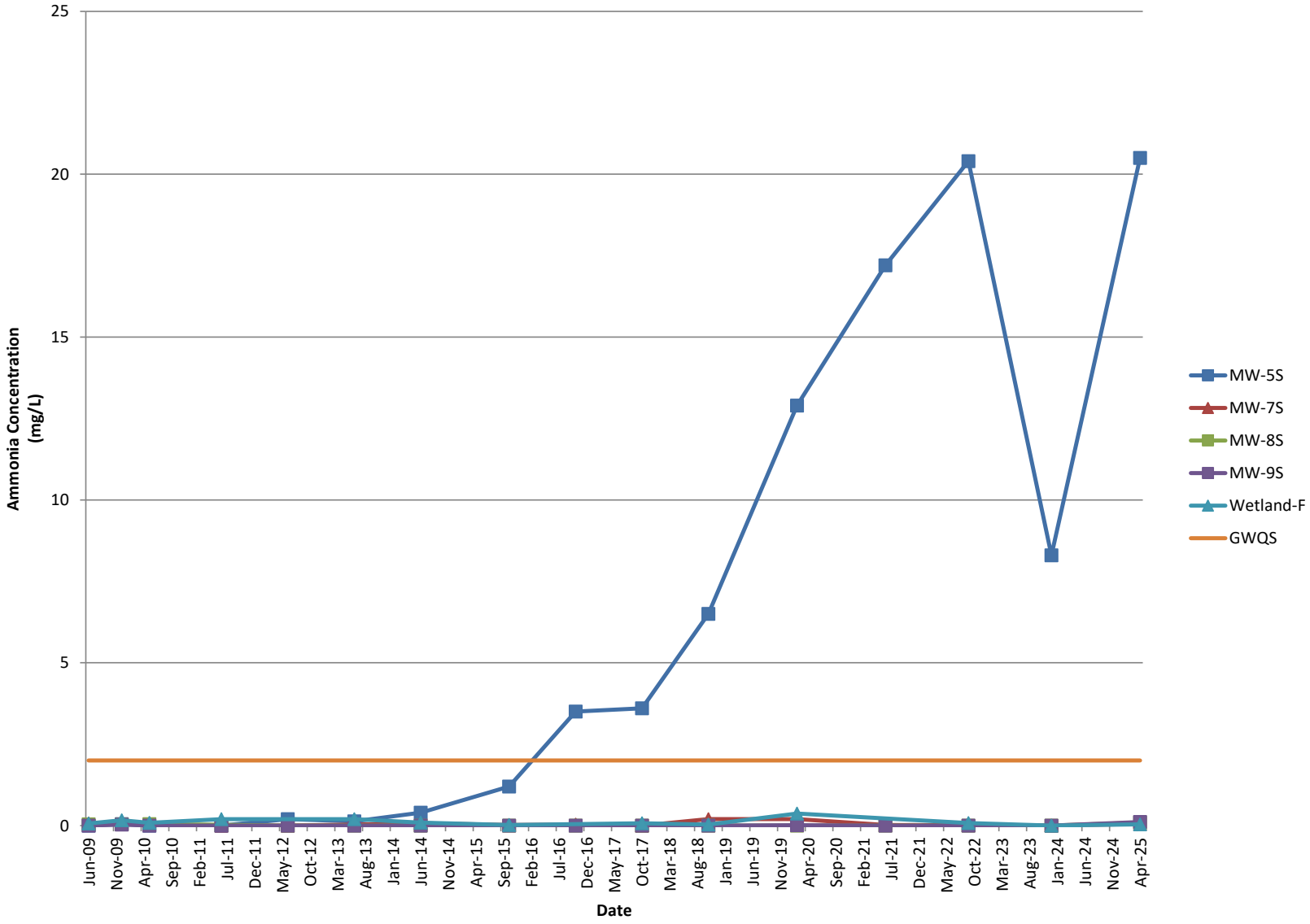
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8 ICE IR# SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ROUX
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

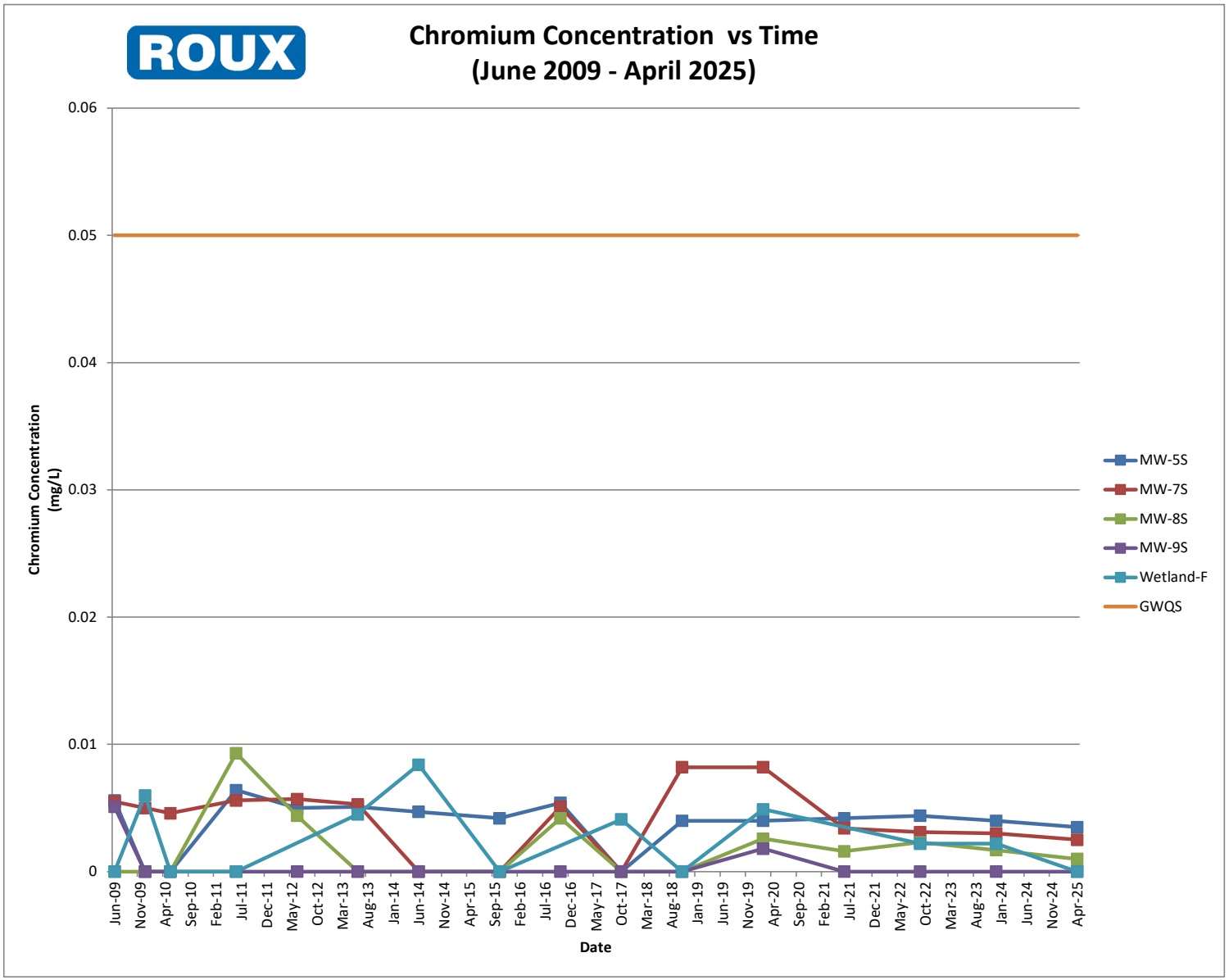
ATTACHMENT 3

HISTORIC DATA CHARTS

ROUX

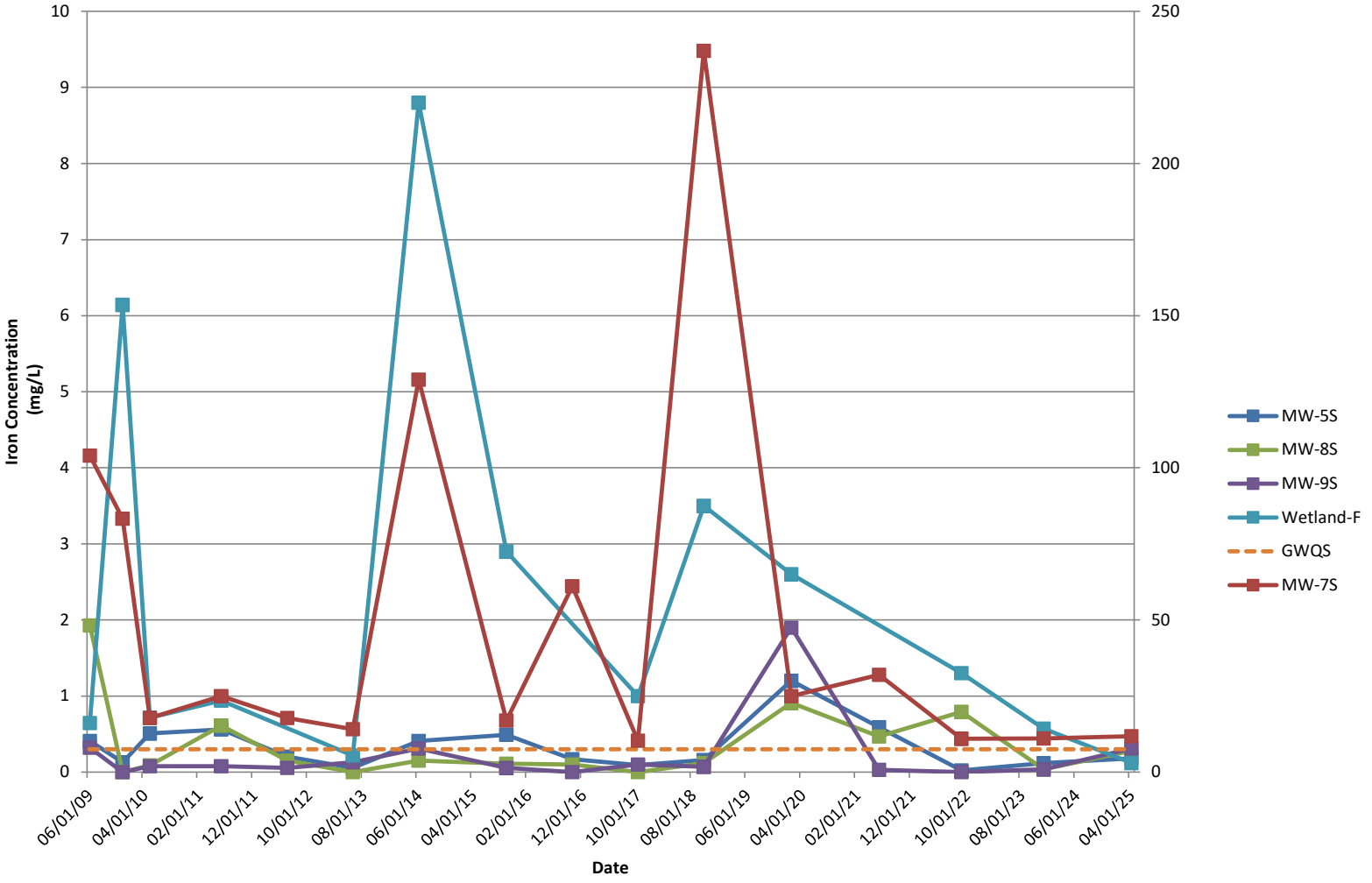
Ammonia Concentration vs Time
(June 2009 - April 2025)



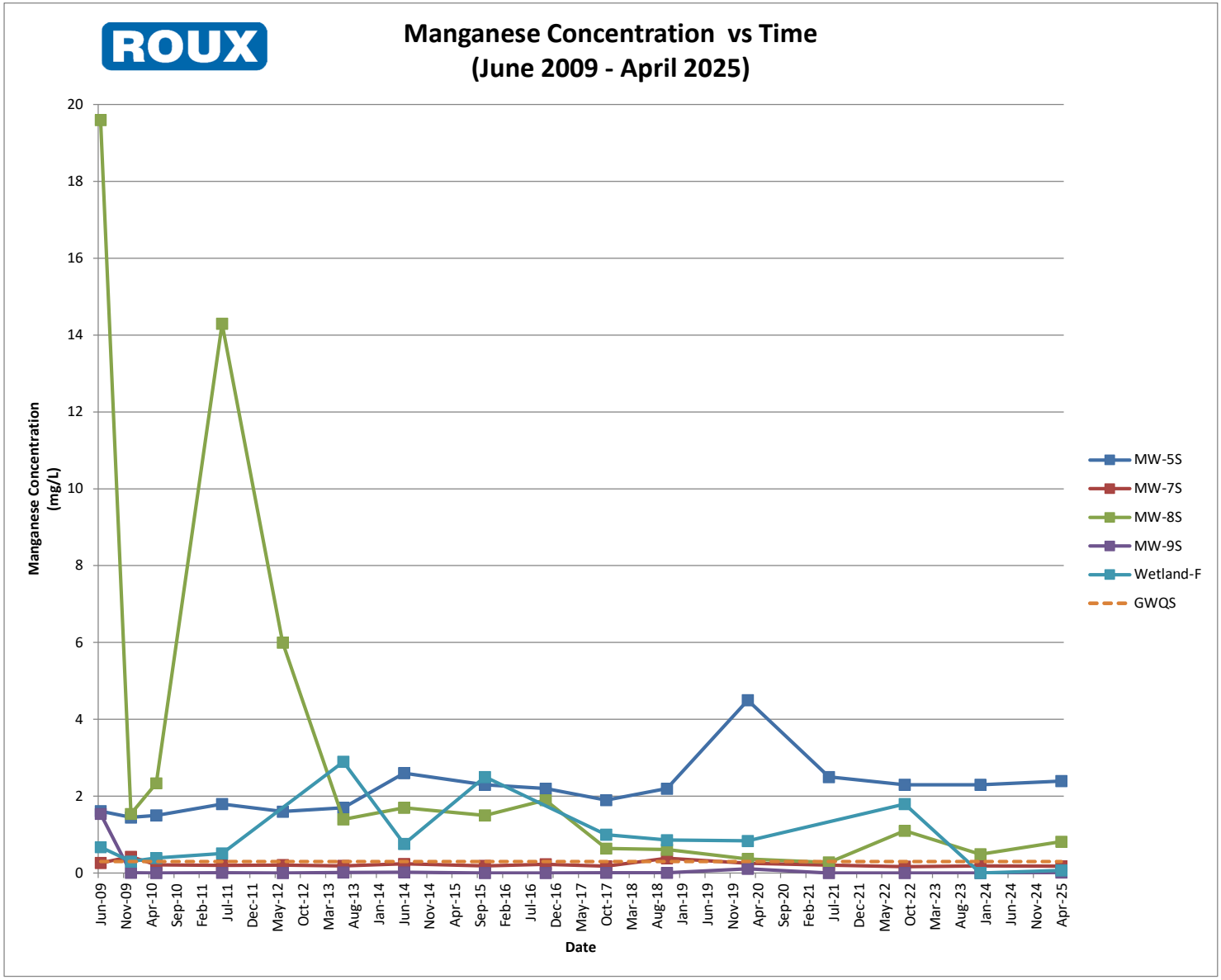

ROUX
Chromium Concentration vs Time
(June 2009 - April 2025)
Chromium Concentration (mg/L)
0.06
0.05
0.04
0.03
0.02
0.01
0
Jun-09
Nov-09
Apr-10
Sep-10
Feb-11
Jul-11
Dec-11
May-12
Oct-12
Mar-13
Aug-13
Jan-14
Jun-14
Nov-14
Apr-15
Sep-15
Feb-16
Jul-16
Dec-16
May-17
Oct-17
Mar-18
Aug-18
Jan-19
Jun-19
Nov-19
Apr-20
Sep-20
Feb-21
Jul-21
Dec-21
May-22
Oct-22
Mar-23
Aug-23
Jan-24
Jun-24
Nov-24
Apr-25
Date
MW-5S
MW-7S
MW-8S
MW-9S
Wetland-F
GWQS

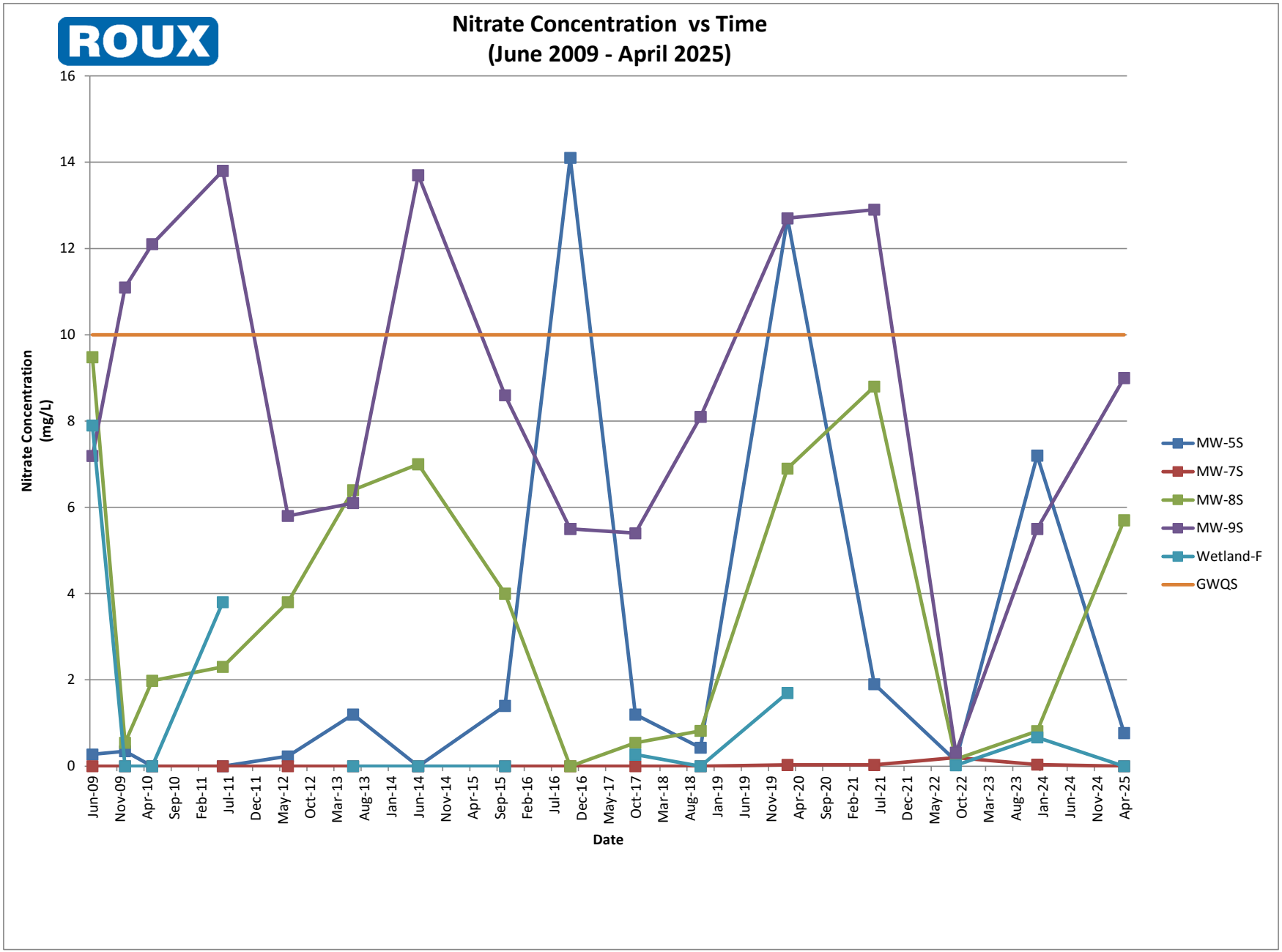
ROUX

Iron Concentration vs Time
(June 2009 - April 2025)



NOTE: IRON CONCENTRATION FOR WELL MW-7S IS PLOTTED ON THE RIGHT HAND SCALE; ALL OTHE DATA IS ON THE LEFT HAND SCALE


ROUX
Manganese Concentration vs Time
(June 2009 - April 2025)
Manganese Concentration (mg/L)
20
18
16
14
12
10
8
6
4
2
0
Jun-09
Nov-09
Apr-10
Sep-10
Feb-11
Jul-11
Dec-11
May-12
Oct-12
Mar-13
Aug-13
Jan-14
Jun-14
Nov-14
Apr-15
Sep-15
Feb-16
Jul-16
Dec-16
May-17
Oct-17
Mar-18
Aug-18
Jan-19
Jun-19
Nov-19
Apr-20
Sep-20
Feb-21
Jul-21
Dec-21
May-22
Oct-22
Mar-23
Aug-23
Jan-24
Jun-24
Nov-24
Apr-25
Date
MW-5S
MW-7S
MW-8S
MW-9S
Wetland-F
GWQS


ROUX
Nitrate Concentration vs Time
(June 2009 - April 2025)
Nitrate Concentration (mg/L)
16
14
12
10
8
6
4
2
0
Jun-09
Nov-09
Apr-10
Sep-10
Feb-11
Jul-11
Dec-11
May-12
Oct-12
Mar-13
Aug-13
Jan-14
Jun-14
Nov-14
Apr-15
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Oct-22
Mar-23
Aug-23
Jan-24
Jun-24
Nov-24
Apr-25
Date
MW-5S
MW-7S
MW-8S
MW-9S
Wetland-F
GWQS

ATTACHMENT 4

FIELD INSPECTION FORM & PHOTOLOG

ROUX

Field Inspection Report
Post-Remedial Operation & Maintenance Plan

Property Name: Peter Cooper Markhams Site Project No.: 4548.00018

Client: Biltekoff & Pullen

Property Address: Bentley Road Dayton, NY 14041

Property ID: (Tax Assessment Map) Section: Block: Lot(s):

Preparer's Name: Thomas A Behrendt Date/Time: 4/29/25 1215

CERTIFICATION

The results of this inspection were discussed with the Site Manager. Any corrective actions required have been identified and noted in this report, and a supplemental Corrective Action Form has been completed. Proper implementation of these corrective actions have been discussed with the Site Manager, agreed upon, and scheduled.

Preparer / Inspector: Tom Behrendt **Date:** 4/29/25

Signature:

Next Scheduled Inspection Date:

Property Access

1. Is the access road in need of repair?	☐ yes	☒ no	☐ N/A
2. Sufficient signage posted (No Trespassing)?	☒ yes	☐ no	☐ N/A
3. Has there been any noted or reported trespassing?	☐ yes	☒ no	☐ N/A

Please note any irregularities/ changes in site access and security:

Final Surface Cover / Vegetation

The integrity of the vegetative soil cover or other surface coverage (e.g., asphalt, concrete) over the entire Site must be maintained. The following documents the condition of the above.

1. Final Cover is in Place and in good condition?	☒ yes	☐ no	☐ N/A
Cover consists of (mainly): Wild Vegatative Grass Cover			
2. Evidence of erosion?	☐ yes	☒ no	☐ N/A
3. Cracks visible in pavement?	☐ yes	☐ no	☒ N/A
4. Evidence of distressed vegetation/turf?	☐ yes	☒ no	☐ N/A
5. Evidence of unintended traffic and/or rutting?	☐ yes	☒ no	☐ N/A
6. Evidence of uneven settlement and/or ponding?	☐ yes	☒ no	☐ N/A

ROUX

Field Inspection Report
Post-Remedial Operation & Maintenance Plan

Final Surface Cover / Vegetation

7. Damage to any surface coverage? ☐ yes ☒ no ☐ N/A

If yes to any question above, please provide more information below.

Gas Vent System Monitoring and Maintenance

Are there signs of stressed vegetation around gas vents? ☐ yes ☒ no ☐ N/A

Are the gas vents currently intact and operational? ☒ yes ☐ no ☐ N/A

Has regular maintenance and monitoring been documented and enclosed or referenced? ☒ yes ☐ no ☐ N/A

Groundwater Monitoring

Is there a plan in place and currently being followed? ☒ yes ☐ no ☐ N/A

Are the wells currently intact and operational? ☒ yes ☐ no ☐ N/A

When was the most recent sampling event report and submittal? Date: 4/29/25

When is the next projected sampling event? Date: July 2026

Property Use Changes / Site Development

Has the property usage changed, or site been redeveloped since the last inspection? ☐ yes ☒ no ☐ N/A

If yes, please list with date:

ROUX

Field Inspection Report
Post-Remedial Operation & Maintenance Plan

New Information

Has any new information been brought to the owner/engineer's attention regarding any and/or all engineering and institutional controls and their operation and effectiveness?

☐ yes ☒ no ☐ N/A

Comments:

This space for Notes and Comments

Please include the following Attachments:

1. Site Sketch
2. Photographs

PHOTOGRAPHIC LOG

Client Name:	Site Location: Peter Cooper -Markhams Site	Project No.:

Photo No.	Date
1	04/29/25

Direction Photo Taken:
Southwest

Description:
Elevated fill area, east end.

Photo No.	Date
2	04/29/25

Direction Photo Taken:
Southeast

Description:
Elevated fill area, northwest side.

Prepared By: TAB

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
	Peter Cooper -Markhams Site	

Photo No.	Date
3	04/29/25

Direction Photo Taken:
West

Description:
PVC Vent pipe on elevated fill area.

Photo No.	Date
4	04/29/25

Direction Photo Taken:
Northwest

Description:
Top of containment fill area facing west.

Prepared By: TAB

ROUX

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name: Markhams

Project No.:

Client:

Date: 4/29/25

Instrument Source: ☐ Roux ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
☒ pH meter	units	904	Myron L Company Ultra Meter 6P	6213516 ☐ 6243084 ☐ 6212375 ☐ 6243003 ☐ 6223973 ☑	GF	4.00	4.01	4
						7.00	7.03	7
						10.01	9.94	10
☒ Turbidity meter	NTU	904	Hach 2100P or 2100Q Turbidimeter	06120C020523 (P) ☒ 13120C030432 (Q) ☐ 17110C062619 (Q) ☐	GF	10 NTU verification	9.43	10
						<0.4	0.97	0.4
						20	20.4	20
						100	124	100
						800	889	800
☒ Sp. Cond. meter	uS mS	904	Myron L Company Ultra Meter 6P	6213516 ☐ 6243084 ☐ 6212375 ☐ 6243003 ☐ 6223973 ☑	GF	7,000 mS @ 25 °C	7,012	7,000
☐ PID	ppm		MinRAE 2000			open air zero ____ ppm Iso. Gas		MIBK response factor = 1.0
☑ Dissolved Oxygen	ppm	904	HACH Model HQ30d	171932597009 ☐ 100500041867 ☐ 22293299821 ☑	GF	100% Satuartion	—	
☐ Particulate meter	mg/m^3					zero air		
☐ Radiation Meter	uR/H					background area		

ADDITIONAL REMARKS:

PREPARED BY: JAB **DATE:** 4/29/25