Mt Piper Power Station
Monthly Environment Monitoring Data

Prepared by:
Mt Piper Environment Team

Report creation date: 11 November 2026

NR = Not Required, ND = No Data

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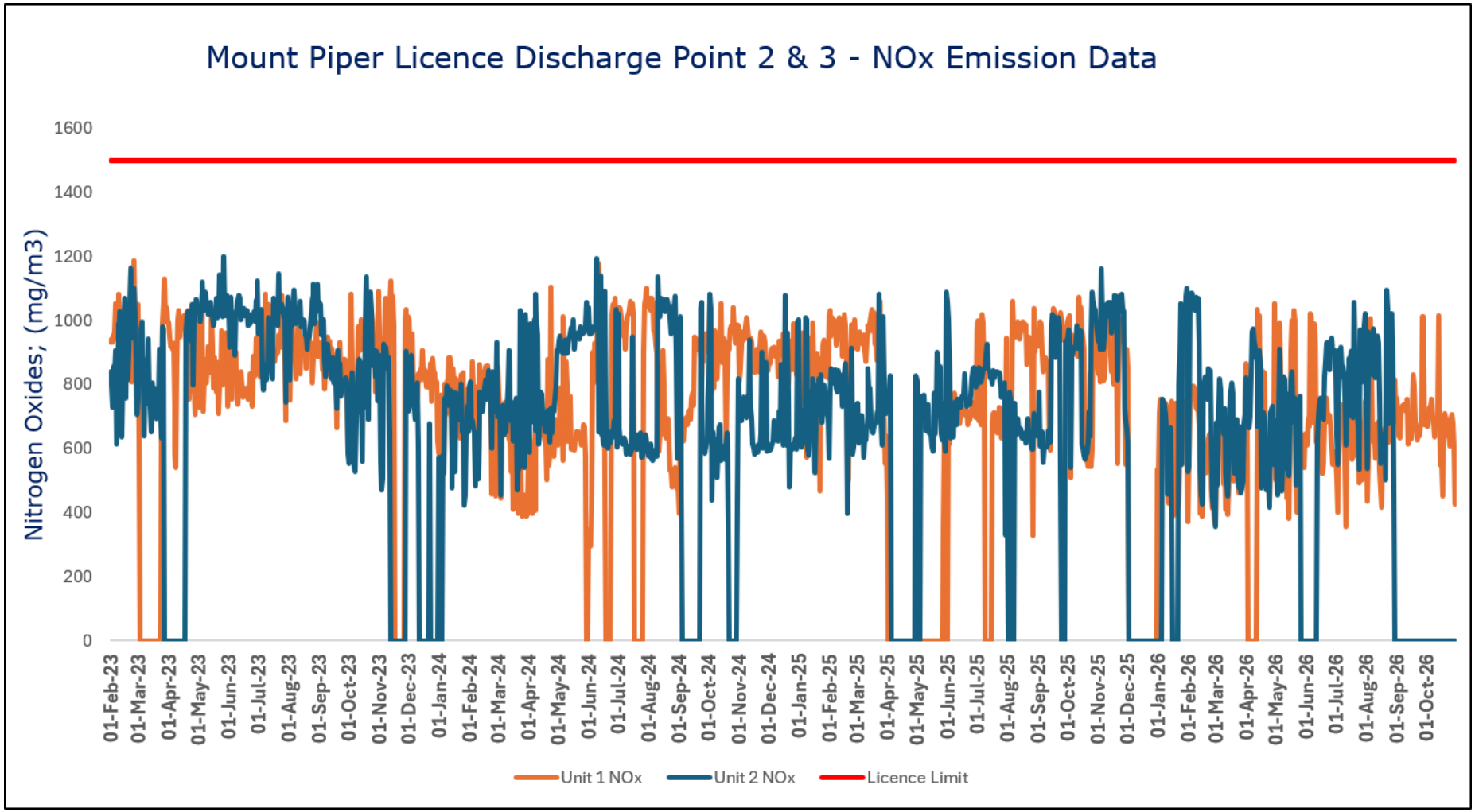
EPL Number:	13007
EPL Holder:	EnergyAustralia NSW
EPL Name of Facility:	MOUNT PIPER POWER STATION
EPL Address of Facility:	350 BOULDER RD PORTLAND, NSW 2847
EPL Website link:	Environment & Heritage | POEO Licences, Application and Notice Detail (nsw.gov.au)
EPL Monitoring Locations:	https://www.energyaustralia.com.au/about-us/energy-generation/mt-piper-power-station/mt-piper-epa-reports
EPL Unit of measure abbreviations:	https://www.energyaustralia.com.au/about-us/energy-generation/mt-piper-power-station/mt-piper-epa-reports
EPL Period monitored:	1 – 31 October 2026
Monthly Summary Status:	Complete: monitoring data obtained.

Table 1: Compliance Summary:

Were all licence monitoring limits met:	YES

Table 2: Details of any Licence Monitoring Limit not met:

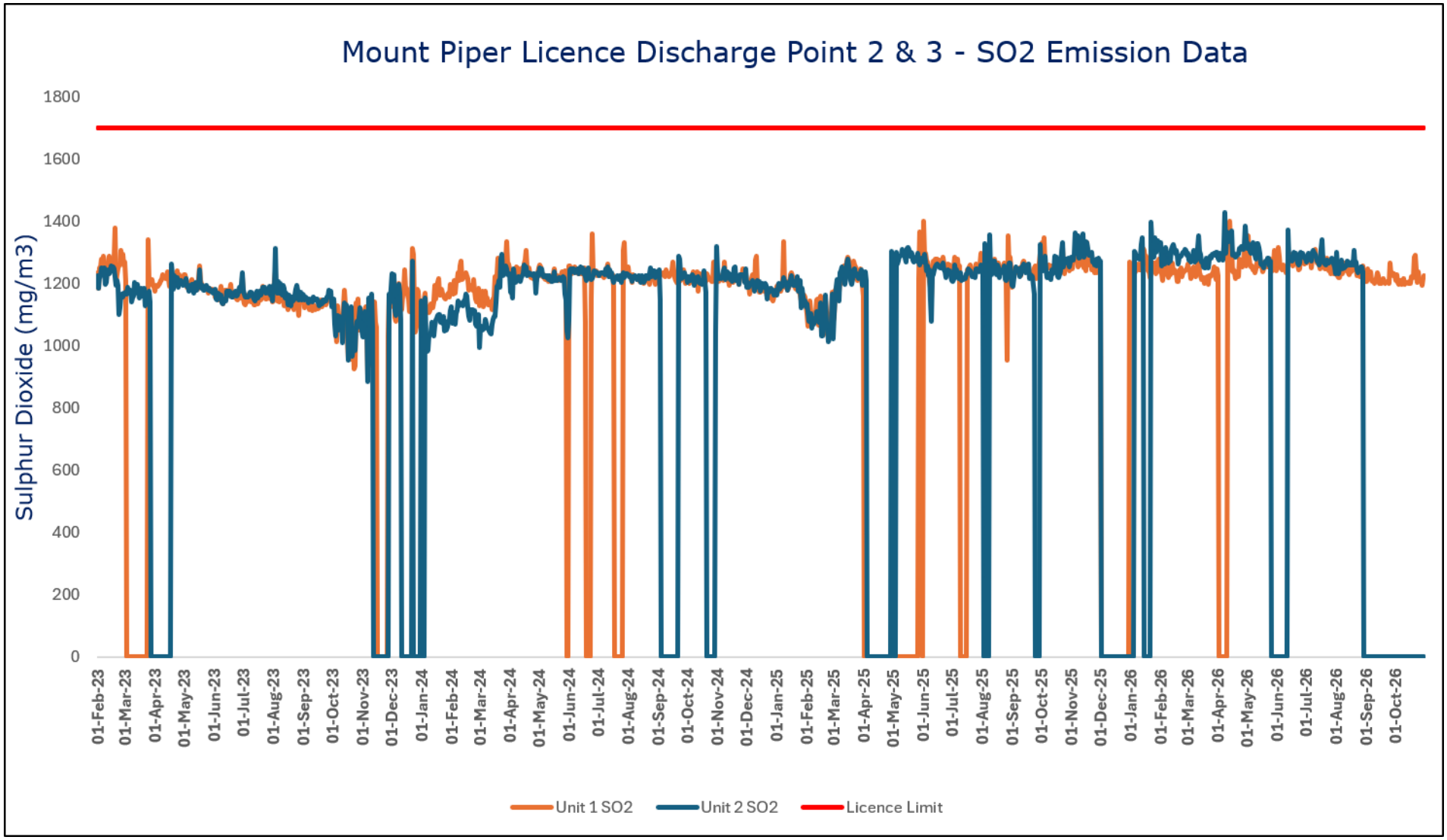
License Point No.	Air/Water/Noise	Pollutant	Value measured	Licence limit	Comments
NIL	-	-	-	-	-



Note: Gap in data is due to periods when the unit was shut down, or the monitoring equipment was offline.
Source: Data is obtained from the Continuous Emission Monitoring System.

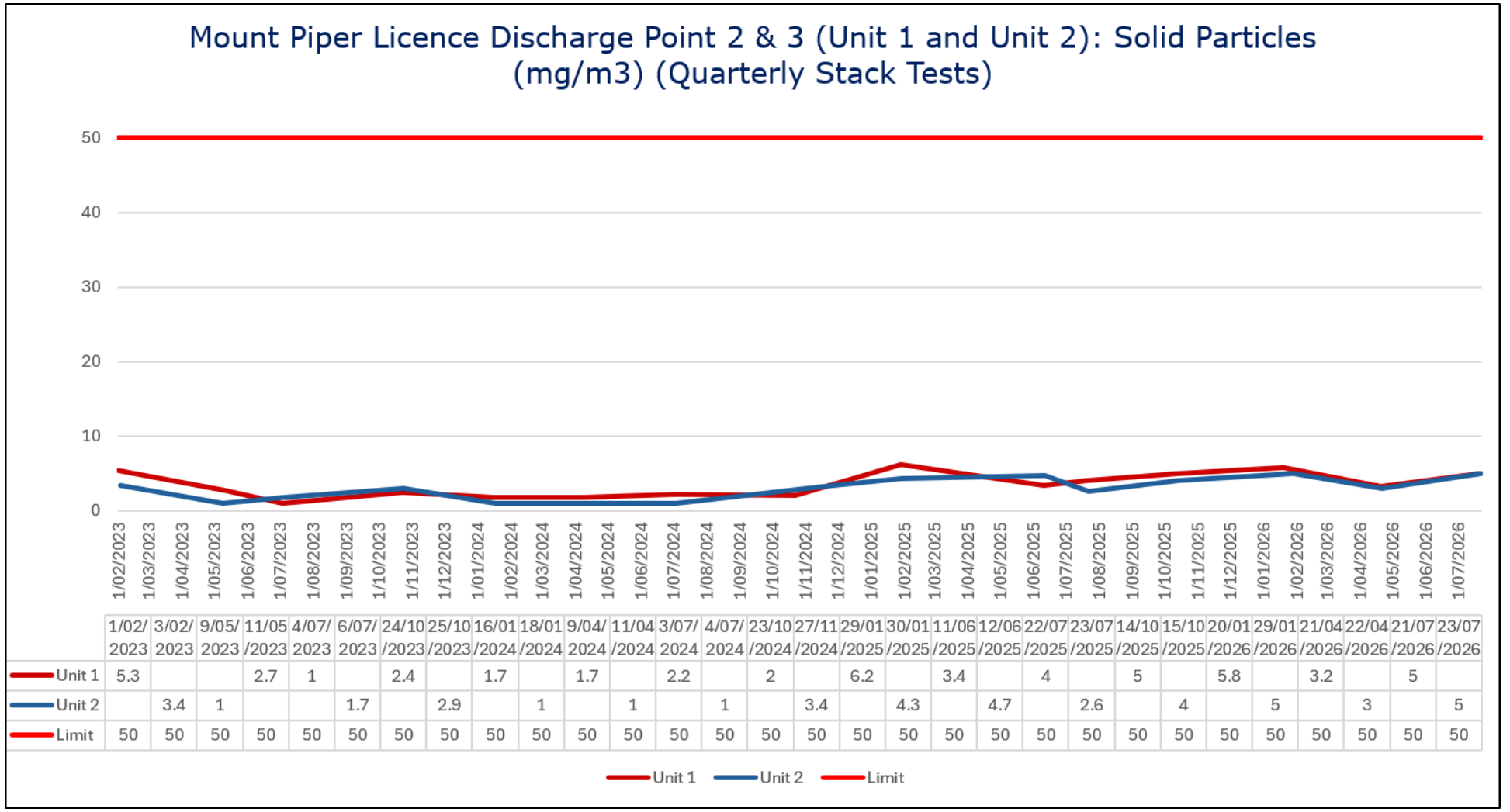
Figure 1: Nitrogen Dioxide (NOx) Emission Data

NR = Not Required, ND = No Data



Note: Gap in data is due to periods when the unit was shut down, or the monitoring equipment was offline.
Source: Data is obtained from the Continuous Emission Monitoring System.

Figure 2: Sulphur Dioxide (SO_2) Emission Data



	1/02/2023	3/02/2023	9/05/2023	11/05/2023	4/07/2023	6/07/2023	24/10/2023	25/10/2023	16/01/2024	18/01/2024	9/04/2024	11/04/2024	3/07/2024	4/07/2024	23/10/2024	27/11/2024	29/01/2025	30/01/2025	11/06/2025	12/06/2025	22/07/2025	23/07/2025	14/10/2025	15/10/2025	20/01/2026	29/01/2026	21/04/2026	22/04/2026	21/07/2026	23/07/2026
Unit 1	5.3			2.7	1		2.4		1.7		1.7		2.2		2		6.2		3.4		4		5		5.8		3.2		5	
Unit 2		3.4	1			1.7		2.9		1		1		1		3.4		4.3		4.7		2.6		4		5		3		5
Limit	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

Note: Gap in data is due to periods when the unit was shut down, or the monitoring equipment was offline.

Source: Data is obtained from the Quarterly Stack Testing conducted by Ektimo.

Figure 3: Solid particles Emission Data

Discharge to Water

Table 3: Water Quality at EPL Point 12

2026	Samples required by EPL (1/mth during discharge)	No. of samples during month	Conductivity (µS/cm)		Oil & Grease (mg/L)		pH		Total Suspended Solids (mg/L)		Turbidity (NTU)		Compliant	Comment
			Result	Limit	Result	Limit	Result	Limit	Result	Limit	Result	Limit		
January	1	2	343	500	<5	10	7.66	6.5-8.5	9.67	50	2.2	25	Yes	Flow / Discharge recorded week of 7/01/2026
			369		<5		7.46		10.33		9.7		Yes	Flow / Discharge recorded week of 21/01/2026
February	0	0	NR	500	NR	10	NR	6.5-8.5	NR	50	NR	25	Yes	Not sampled due to no flow / no discharge
March	1	2	313	500	<5	10	7.92	6.5-8.5	4.6	50	6.15	25	Yes	Flow / Discharge recorded week of 13/03/2026
			341		<5		7.84		21.7		13.4		Yes	Flow / Discharge recorded week of 25/03/2026
April	0	0	NR	500	NR	10	NR	6.5-8.5	NR	50	NR	25	Yes	Not sampled due to no flow / no discharge
May	0	0	NR	500	NR	10	NR	6.5-8.5	NR	50	NR	25	Yes	Not sampled due to no flow / no discharge
June	1	2	365	500	<5	10	7.87	6.5-8.5	3.0	50	4.18	25	Yes	Flow / Discharge recorded week of 09/06/2026
			384		<5		7.93		4.4		3.23		Yes	Flow / Discharge recorded week of 25/06/2026
July	1	1	311	500	<5	10	7.82	6.5-8.5	11.4	50	7.4	25	Yes	Flow / Discharge recorded week of 06/07/2026
August	1	1	319	500	<5	10	7.93	6.5-8.5	6.67	50	15.7	25	Yes	Flow / Discharge recorded week of 18/08/2026
September	0	0	NR	500	NR	10	NR	6.5-8.5	NR	50	NR	25	Yes	Not sampled due to no flow / no discharge
October	1	2	359	500	<5	10	7.95	6.5-8.5	4.67	50	7.7	25	Yes	Flow / Discharge recorded week of 07/10/2026
			302		<5		7.91		3.60		4.9		Yes	Flow / Discharge recorded week of 29/10/2026
November														
December														

Report creation date: 11 November 2026

NR = Not Required, ND = No Data

Air Emissions

Table 4: Nitrogen Oxides (NOx) Monitoring at EPL Points 2 and 3

2026	No. of samples required by licence	EPL Point	Lowest sample value (mg/m^3, hourly average)	Mean of sample (mg/m^3)	Highest sample value (mg/m^3, hourly average)	Limit (mg/m^3, hourly average)	99th percentile			Compliant
							Limit (mg/m^3)	87 1-hr averaging periods/yr	1hr averaging periods > limit	
January	Continuous	2	225	418	754	1500	1,100	87	0	Yes
		3	221	498	1100			86	1	Yes
February	Continuous	2	222	432	794	1500	1,100	87	0	Yes
		3	263	549	1086			86	0	Yes
March	Continuous	2	229	403	693	1500	1,100	87	0	Yes
		3	270	444	817			86	0	Yes
April	Continuous	2	254	454	1053	1500	1,100	87	0	Yes
		3	297	524	972			86	0	Yes
May	Continuous	2	237	464	1031	1500	1,100	87	0	Yes
		3	280	484	908			86	0	Yes
June	Continuous	2	237	522	1020	1500	1,100	87	0	Yes
		3	281	597	945			86	0	Yes
July	Continuous	2	228	439	760	1500	1,100	87	0	Yes
		3	243	590	1056			86	0	Yes
August	Continuous	2	156	428	1005	1500	1,100	87	0	Yes
		3	240	585	1095			86	0	Yes
September	Continuous	2	189	507	1012	1500	1,100	87	0	Yes
		3	NR	NR	NR			86	0	Yes
October	Continuous	2	167	498	1015	1500	1,100	87	0	Yes
		3	NR	NR	NR			86	0	Yes
November	Continuous	2				1500	1,100			
		3								
December	Continuous	2				1500	1,100			
		3								

Source: Data is obtained from Continuous Emission Monitoring System

NR = Not Required, ND = No Data

Table 5: Sulphur Dioxides (SO_2) Monitoring at EPL Points 2 and 3

2026	No. of samples required by licence	EPL Point	Lowest sample value (mg/m³, hourly average)	Mean of sample (mg/m³)	Highest sample value (mg/m³, hourly average)	Limit (mg/m³, hourly average)	99th percentile			Compliant
							Limit (mg/m³)	87 1-hr averaging periods/yr	1hr averaging periods > limit	
January	Continuous	2	1034	1213	1313	1700	1,400	87	0	Yes
		3	1024	1226	1367			87	0	Yes
February	Continuous	2	949	1194	1269	1700	1,400	87	0	Yes
		3	1017	1207	1295			87	0	Yes
March	Continuous	2	969	1185	1289	1700	1,400	87	0	Yes
		3	932	1191	1292			87	0	Yes
April	Continuous	2	942	1179	1400	1700	1,400	86	1	Yes
		3	941	1197	1373			87	0	Yes
May	Continuous	2	1001	1213	1352	1700	1,400	86	0	Yes
		3	957	1222	1302			87	0	Yes
June	Continuous	2	1134	1232	1315	1700	1,400	86	0	Yes
		3	1137	1251	1372			87	0	Yes
July	Continuous	2	964	1221	1309	1700	1,400	86	0	Yes
		3	1015	1242	1341			87	0	Yes
August	Continuous	2	901	1183	1266	1700	1,400	86	0	Yes
		3	999	1206	1307			87	0	Yes
September	Continuous	2	887	1145	1266	1700	1,400	86	0	Yes
		3	NR	NR	NR			87	0	Yes
October	Continuous	2	893	1162	1289	1700	1,400	86	0	Yes
		3	NR	NR	NR			87	0	Yes
November	Continuous	2				1700	1,400			
		3								
December	Continuous	2				1700	1,400			
		3								

Source: Data is obtained from the Continuous Emission Monitoring System

Table 6: Oxygen (O_2), Temperature & Moisture Monitoring at EPL Points 2 and 3

2026	No. of samples required by licence	EPL Point	Oxygen			Temperature			Moisture		
			Lowest sample value (%, hourly average)	Mean of sample (%)	Highest sample value (%, hourly average)	Lowest sample value (°C, hourly average)	Mean of sample (°C)	Highest sample value (°C, hourly average)	Lowest sample value (H_2O, hourly average)	Mean of sample (H_2O)	Highest sample value (H_2O, hourly average)
January	Continuous	2	7.6	9.5	13.6	99	115	131	4.1	6.7	8.9
		3	8.0	10.3	14.4	88	112	133	4.2	6.5	9.4
February	Continuous	2	7.5	9.6	13.7	101	116	130	4.2	6.9	8.9
		3	8.5	10.3	14.5	101	113	135	4.2	6.8	8.7
March	Continuous	2	7.9	10.2	13.9	101	113	129	4.2	6.6	9.1
		3	8.6	11	14.6	100	111	130	4.2	6.5	8.9
April	Continuous	2	7.7	10.8	13.9	77	113	127	3.5	5.7	7.9
		3	8.7	11.2	15.8	83	109	125	3.5	5.8	8.1
May	Continuous	2	7.3	9.8	14.0	104	116	130	3.8	6.3	8.4
		3	8.3	10.7	14.7	86	109	124	3.9	6.0	11.9
June	Continuous	2	7.6	9.0	11.6	106	119	128	5.2	6.5	8.0
		3	8.4	9.7	12.2	77	111	121	4.8	6.3	7.6
July	Continuous	2	7.6	9.9	13.9	102	114	128	3.5	5.8	8.0
		3	8.4	10.5	14.3	97	109	122	3.5	5.7	7.7
August	Continuous	2	7.7	10.0	16.9	98	114	128	2.5	5.8	8.0
		3	8.5	10.9	14.5	97	110	124	3.6	5.6	7.4
September	Continuous	2	7.7	10.0	14.3	97	116	128	3.1	5.8	7.8
		3	NR	NR	NR	NR	NR	NR	NR	NR	NR
October	Continuous	2	7.8	9.6	14.4	101	117	129	3.4	6.2	7.9
		3	NR	NR	NR	NR	NR	NR	NR	NR	NR
November	Continuous	2									
		3									
December	Continuous	2									
		3									

Source: Data is obtained from the Continuous Emission Monitoring System

Table 7: Quarterly Stack Emissions Monitoring at EPL Points 2 and 3

2026	No. of samples required by EPL per year	EPL Point	Samples taken (year to date)	Result				Limit	Compliant
				Q1	Q2	Q3	Q4		
Solid Particles (mg/m^3)	4	2	1	5.8	3.2	≤ 5	TBC	50	Yes
		3	1	5.0	≤ 3.0	≤ 5	ND**		Yes

*TBC = To Be Confirmed (Sample has been collected, not yet received by EA at the time of publishing this report).
**ND = Unit 2 outage during period, no emissions from EPL point 3.

Table 8: Six Monthly Stack Emissions Monitoring at EPL Points 2 and 3

2026	No. of samples required by EPL per year	EPL Point	Samples taken (year to date)	Result		Limit	Compliant
				Jan - Jun	Jul - Dec		
Carbon Dioxide (%)	2	2	0	8.9	TBC	-	Yes
		3	0	8.4	ND**	-	Yes
Cadmium (mg/m^3)	2	2	1	0.0028	0.00059	0.03	Yes
		3	1	0.00012	≤ 0.0001		Yes
Mercury (mg/m^3)	2	2	1	0.00058	≤ 0.0005	0.03	Yes
		3	1	≤0.00025	0.00100		Yes
Type 1 and Type 2 substances in aggregate (mg/m^3)	2	2	1	≤0.024	≤ 0.06	0.60	Yes
		3	1	≤0.037	≤ 0.1		Yes
Hydrogen Chloride (mg/m^3)	2	2	0	0.49	TBC	50	Yes
		3	0	1.1	ND**		Yes
Fluorine (mg/m^3)	2	2	0	3.0	TBC	30	Yes
		3	0	6.3	ND**		Yes
Chlorine (mg/m^3)	2	2	0	0.06	TBC	4	Yes
		3	0	<0.03	ND**		Yes
Sulfuric Acid Mist and Sulfur Trioxide as SO^3 (mg/m^3)	2	2	0	1.9	TBC	100	Yes
		3	0	2.5	ND**		Yes
Volatile Organic Compounds as n-propane equivalent (mg/m^3)	2	2	0	<0.09	TBC	8	Yes
		3	0	<0.07	ND**		Yes

*TBC = To Be Confirmed (Sample has been collected, not yet received by EA at the time of publishing this report).
**ND = Unit 2 outage during period, no emissions from EPL point 3.

Mt Piper Power Station

Ambient Monitoring Data

- **Air Quality**
- **Thompsons Creek Reservoir Water Quality**

Table 9: Ambient Air Quality at Blackmans Flat, Wallerawang & Newnes Plateau

2026	No. of samples required by licence	Parameter	Blackmans Flat			Wallerawang			Newnes		
			Min Daily Reading	Monthly Average	Max Daily Reading	Min Daily Reading	Monthly Average	Max Daily Reading	Blank	Newnes1	Newnes2
January	Continuous	SO_2 (pphm)	0.0	0.1	0.6	-0.2	0.1	0.4	<0.9	<0.9	<0.9
		NO_2 (pphm)	0.1	0.3	0.6	0.1	0.3	0.6	<0.6	<0.6	<0.6
		PM2.5 (µg/m³)	2.0	5.4	10.5	0.7	5.8	9.6	NR	NR	NR
February	Continuous	SO_2 (pphm)	0.0	0.1	0.2	0.0	0.1	0.3	<0.9	<0.9	<0.9
		NO_2 (pphm)	0.1	0.4	0.7	0.1	0.3	0.7	<0.6	<0.6	<0.6
		PM2.5 (µg/m³)	1.6	4.3	7.7	0.0	4.2	9.0	NR	NR	NR
March	Continuous	SO_2 (pphm)	0.0	0.0	0.1	-0.1	0.1	0.3	<0.9	<0.9	<0.9
		NO_2 (pphm)	0.1	0.3	0.6	0.1	0.3	0.5	<0.6	<0.6	<0.6
		PM2.5 (µg/m³)	1.8	4.0	8.6	-0.8	3.1	8.7	NR	NR	NR
April	Continuous	SO_2 (pphm)	-0.1	0.0	0.4	-0.2	0.1	0.2	<0.9	<0.9	1.9
		NO_2 (pphm)	0.1	0.3	0.6	0.1	0.4	0.7	<0.6	<0.6	<0.6
		PM2.5 (µg/m³)	2.0	5.3	17.3	0.4	5.2	14.3	NR	NR	NR
May	Continuous	SO_2 (pphm)	0.0	0.0	0.4	-0.1	0.1	0.2	<0.9	<0.9	1.9
		NO_2 (pphm)	0.1	0.3	0.8	0.1	0.3	0.5	<0.6	<0.6	<0.6
		PM2.5 (µg/m³)	2.6	3.8	7.6	0.3	3.8	18.1	NR	NR	NR
June	Continuous	SO_2 (pphm)	0.0	0.0	0.7	0.0	0.1	0.1	<0.9	<0.9	<0.9
		NO_2 (pphm)	0.1	0.3	1.2	0.0	0.3	0.7	<0.6	<0.6	<0.6
		PM2.5 (µg/m³)	2.0	4.2	7.5	-0.8	5.0	12.7	NR	NR	NR
July	Continuous	SO_2 (pphm)	0.0	0.0	0.3	0.0	0.1	0.2	<0.9	<0.9	<0.9
		NO_2 (pphm)	0.1	0.3	0.6	0.0	0.3	0.9	<0.6	<0.6	<0.6
		PM2.5 (µg/m³)	1.1	3.5	4.8	-1.6	6.5	17.4	NR	NR	NR
August	Continuous	SO_2 (pphm)	-0.1	0.0	0.5	0.0	0.1	0.3	<0.9	<0.9	<0.9
		NO_2 (pphm)	0.1	0.3	0.6	0.1	0.1	0.7	<0.6	<0.6	<0.6
		PM2.5 (µg/m³)	1.7	4.3	7.1	2.5	7.0	14.0	NR	NR	NR
September	Continuous	SO_2 (pphm)	0.0	0.1	0.4	0.0	0.1	0.3	<0.9	<0.9	<0.9
		NO_2 (pphm)	0.1	0.3	0.5	0.1	0.3	0.7	<0.6	<0.6	<0.6
		PM2.5 (µg/m³)	2.3	4.5	11.1	2.4	6.3	14.6	NR	NR	NR
October	Continuous	SO_2 (pphm)									
		NO_2 (pphm)									
		PM2.5 (µg/m³)									
November	Continuous	SO_2 (pphm)									
		NO_2 (pphm)									
		PM2.5 (µg/m³)									
December	Continuous	SO_2 (pphm)									
		NO_2 (pphm)									
		PM2.5 (µg/m³)									

Source: Data is obtained from the Ambient Air Monthly Report

Report creation date: 11 November 2026

NR = Not Required, ND = No Data

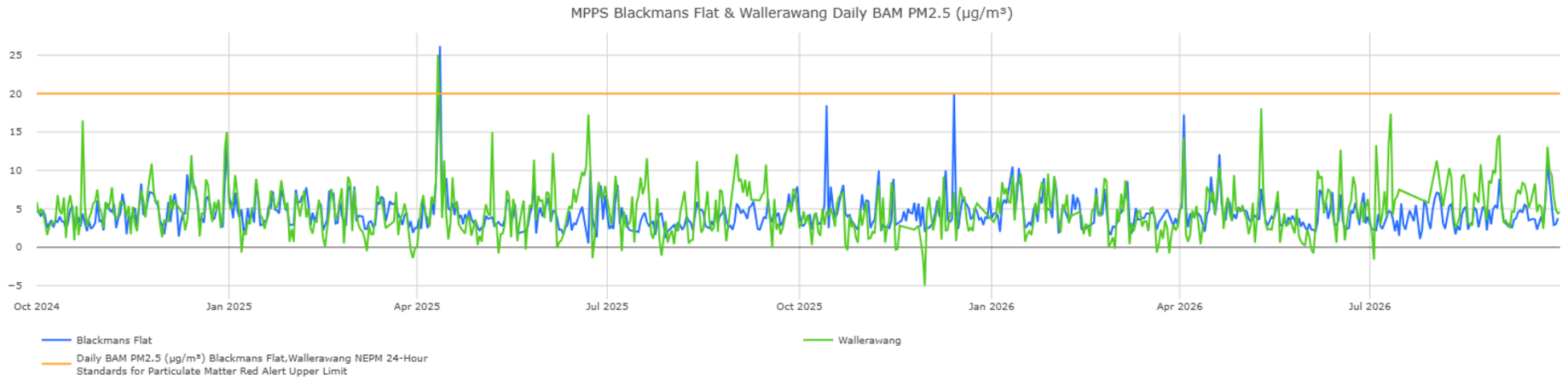


Figure 4: MPPS PM2.5 (µg/m³) Daily Average

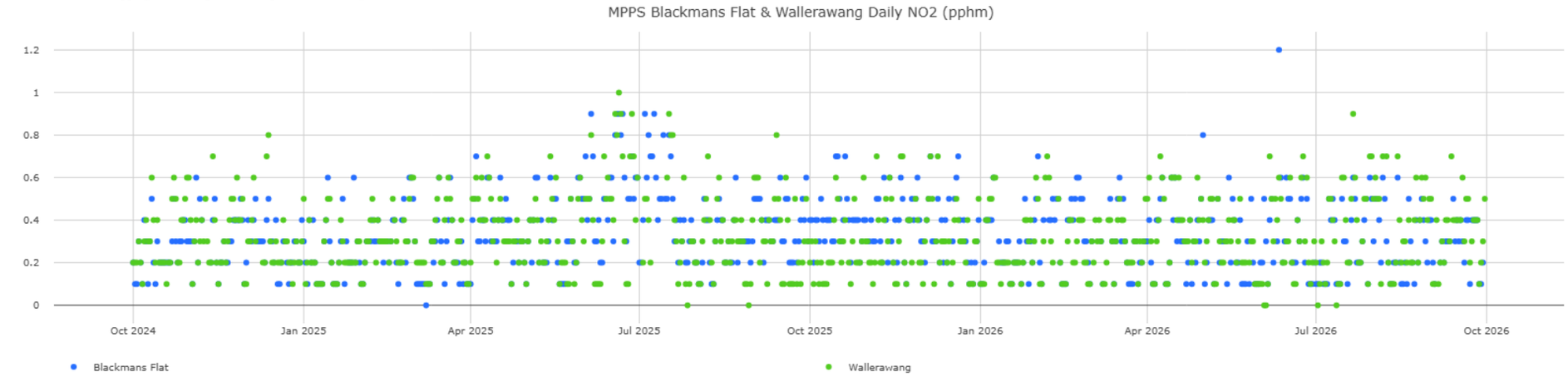


Figure 5: MPPS NO_2 pphm Daily Average

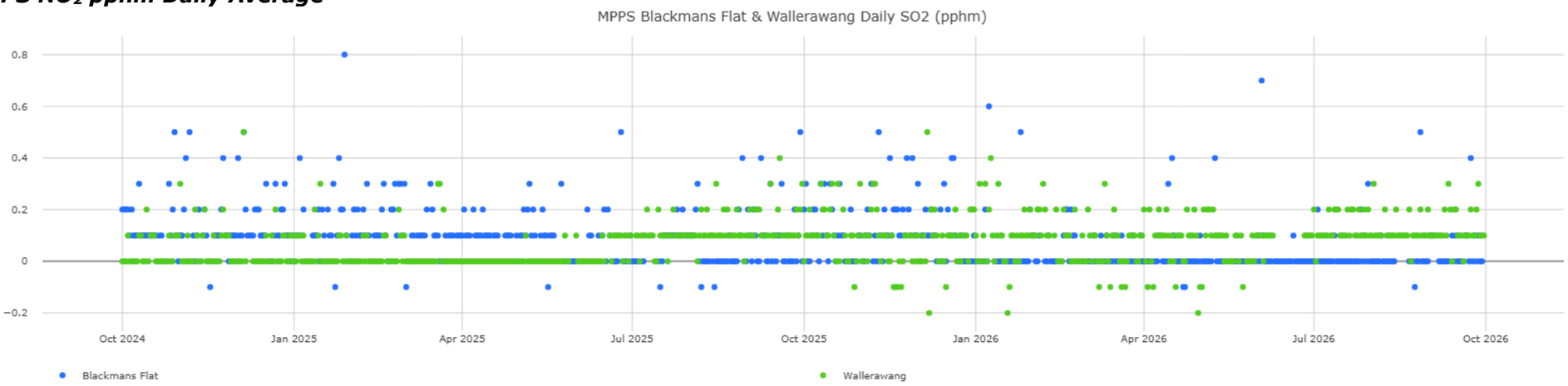


Figure 6: MPPS SO_2 pphm Daily Average

Table 10: TCR Water Quality and TCR Riparian Release

2026	Electrical Conductivity (µS/cm)						TCR Riparian Release*** (ML/month)
	Thompsons Creek Reservoir*			TCR Riparian Release**			
	Lowest Sample Value	Mean Sample Value	Highest Sample Value	Lowest Sample Value	Mean Sample Value	Highest Sample Value	
January	472	481	496	481	487	498	190
February	467	482	500	469	484	499	529
March	478	480	485	485	488	491	584
April	475	477	485	466	471	473	381
May	464	477	484	472	483	488	325
June	393	462	512	471	476	489	317
July	406	457	533	466	474	482	329
August	452	460	555	455	469	488	454
September	456	461	470	466	473	480	561
October	406	459	491	469	473	477	581
November							
December							

*Sampling Frequency: *Thompsons Creek Reservoir: Continuous Monitoring and ** TCR Riparian Release: Weekly Sampling*
*****TCR Riparian Release = TCD 100 mm Riparian Release***

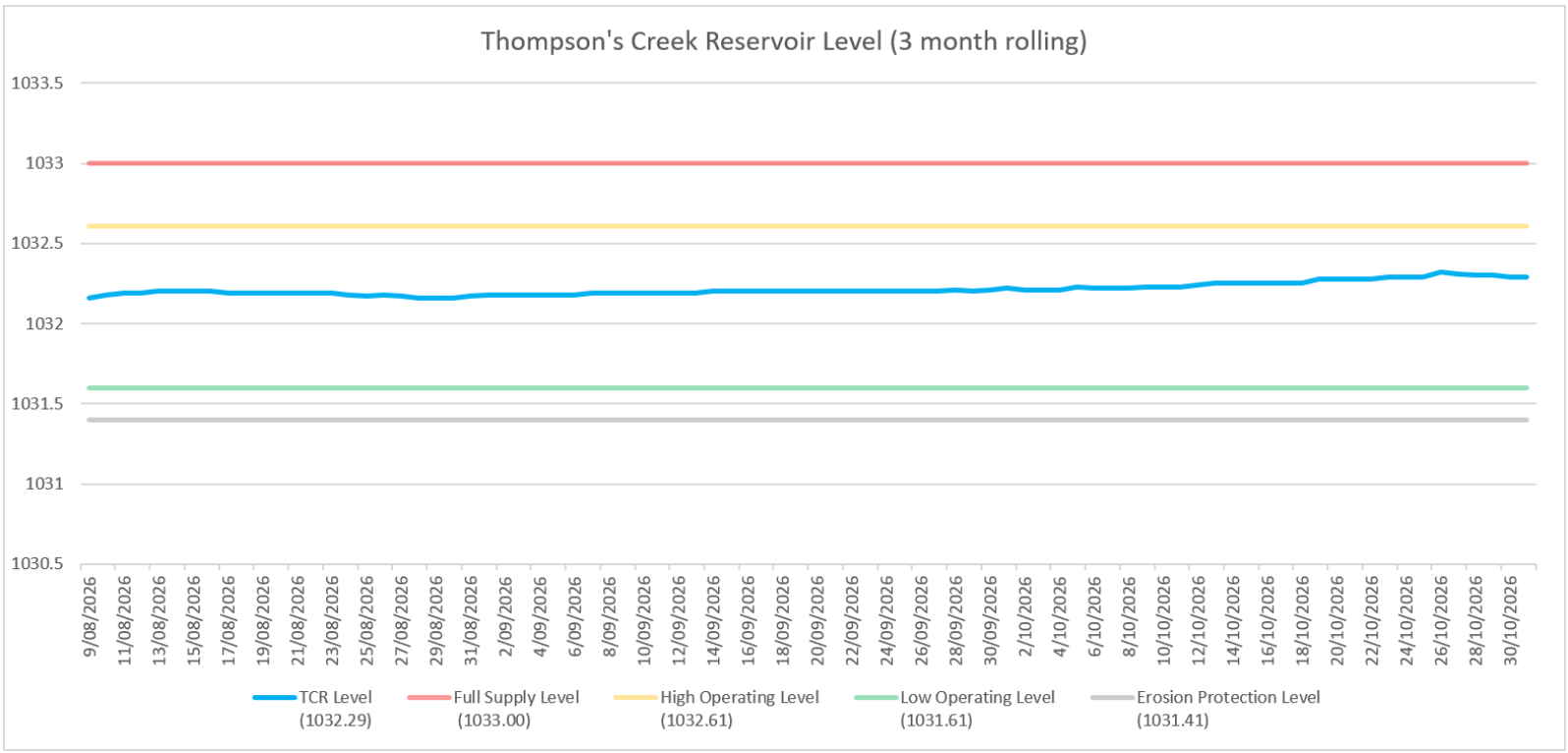


Figure 7: TCR Water Level

NR = Not Required, ND = No Data

Mt Piper Power Station

Water Monitoring Data

- **Ground Water**
- **Surface Water**

2026 Groundwater Pollution Monitoring Data (PED)			Bore MPGM4_D10 | EPA ID No.: 13				Bore_D102 | EPA ID No.: 14				Bore_D103 | EPA ID No.: 15				Bore_D104 | EPA ID No.: 16				Bore_D105 | EPA ID No.: 17				Bore_D106 | EPA ID No.: 18				Bore_D107 | EPA ID No.: 19			
Variable	Unit	Frequency	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Aluminium (dissolved)	mg/L	Quarterly	0.079	0.074	0.062		0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025		0.0025	0.006	0.006		0.0025	0.0025	0.0025		0.0025	0.0025	0.0025		0.0025	0.0025	0.0025	
Ammonia	mg/L	Quarterly	0.47	0.38	0.39		0.47	0.39	0.38		0.21	0.23	0.43		0.11	0.14	0.5		0.12	0.12	0.31		0.29	0.32	0.12		0.32	0.34	0.45	
Antimony (dissolved)	mg/L	Quarterly	0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.002	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005	
Arsenic (dissolved)	mg/L	Quarterly	0.006	0.003	0.004		0.0005	0.0005	0.0005		0.004	0.004	0.005		0.0005	0.012	0.01		0.0005	0.0005	0.0005		0.0005	0.002	0.0005		0.006	0.006	0.007	
Arsenic (III)	mg/L	6-monthly	0.0039		0.0022		0.0005		0.0005		0.0032		0.0034		0.0005		0.0087		0.0005		0.0005		0.0005		0.0005		0.0041		0.0043	
Arsenic (V)	mg/L	6-monthly	0.0015		0.0015		0.0005		0.0005		0.0005		0.0022		0.0005		0.0027		0.0005		0.001		0.0005		0.0005		0.0012		0.0022	
Barium (dissolved)	mg/L	Quarterly	0.015	0.017	0.018		0.018	0.021	0.021		0.017	0.018	0.019		0.047	0.055	0.055		0.014	0.016	0.016		0.017	0.02	0.015		0.015	0.017	0.017	
Beryllium (dissolved)	mg/L	Quarterly	0.001	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.001	
Bicarbonate alkalinity	mg/L	Quarterly	146	155	160		83	76	85		178	189	189		61	84	88		170	174	170		132	171	86		248	249	246	222
Boron (dissolved)	mg/L	Quarterly	2.3	3.21	2.44		1.66	1.17	1.53		2.05	1.78	1.97		0.025	0.13	0.11		0.46	0.32	0.21		2.97	2.71	1.58		5.78	4.75	5.49	
Cadmium (dissolved)	mg/L	Quarterly	0.0008	0.0015	0.0004		0.00005	0.0002	0.00005		0.00005	0.00005	0.00005		0.0001	0.00005	0.00005		0.00005	0.00005	0.00005		0.0004	0.0002	0.0002		0.0008	0.001	0.001	
Calcium	mg/L	Quarterly	182	224	203		528	479	523		227	200	214		112	68.1	64.9		167	138	145		389	348	291		354	321	338	
Chloride (dissolved)	mg/L	Quarterly	354	498	365		904	896	1470		272	240	317		100	75.3	95.3		203	163	228		864	734	769		808	687	1220	
Chromium (dissolved)	mg/L	Quarterly	0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.002		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005	
Chromium (hexavalent)	mg/L	6-monthly	0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005	
Chromium (trivalent)	mg/L	6-monthly	0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.002		0.0005		0.0005		0.0005		0.0005	
Cobalt (dissolved)	mg/L	Quarterly	0.138	0.192	0.167		0.177	0.185	0.157		0.219	0.222	0.192		0.016	0.01	0.009		0.121	0.113	0.107		0.161	0.222	0.101		0.226	0.228	0.2	
Copper (dissolved)	mg/L	Quarterly	0.0005	0.0005	0.009		0.0005	0.03	0.0005		0.006	0.0005	0.0005		0.002	0.0005	0.0005		0.0005	0.0005	0.0005		0.006	0.0005	0.002		0.021	0.0005	0.002	
Cyanide (total)	mg/L	Quarterly	0.001	0.001	0.001		0.001	0.001	0.001		0.001	0.001	0.001		0.001	0.001	0.001		0.001	0.001	0.001		0.001	0.001	0.001		0.001	0.001	0.001	
Dissolved organic carbon	mg/L	Quarterly	2	4	5		6	9	7		1	3	2		0.5	4	6		0.5	3	2		6	6	7		5	8	7	
Electrical conductivity	µS/cm	Quarterly	5709	7530	6820		8751	9520	8693	8630	4523	4878	4328	4391	1460	1245	1032	1478	2928	2997	2759	2858	9150	10044	7630	8121	10212	11040	9751	9223
Fluoride	mg/L	Quarterly	0.335	0.731	0.42		0.25	0.25	0.581		0.1	0.1	0.154		0.025	0.064	0.082		0.05	0.05	0.141		0.25	0.1	0.052		0.25	0.25	0.25	
Hardness (as calcium carbonate)	mg/L	Quarterly	1150	1460	1310		3180	3000	3310		1400	1290	1430		589	372	379		1050	909	1020		2590	2410	2260		2470	2300	2480	
Iron	mg/L	Quarterly	8.6	9	8.68		47.2	67.7	64.2		20.1	28.5	28.9		11.4	20.5	18.7		20	28	29		12.3	25.8	24.4		18.8	30.2	26	
Iron (dissolved)	mg/L	Quarterly	8.65	7.57	10		37.7	45.6	27.6		19.6	18.9	23.7		6.71	11.6	11.7		13.4	17.9	26.3		9.72	17.5	3.72		18.6	18.8	21.7	
Lead (dissolved)	mg/L	Quarterly	0.006	0.006	0.006		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.01	0.01	0.011	
Magnesium (dissolved)	mg/L	Quarterly	170	219	196		453	439	486		203	193	217		75	49	52.7		153	137	160		392	374	372		385	364	398	
Manganese (dissolved)	mg/L	Quarterly	4.02	5.8	5.53		12.6	12.9	14.6		11.2	11.2	12.2		3.4	2.3	2.14		8.85	8.32	9.44		8.74	10.8	6.65		9.27	9.31	10	
Mercury (dissolved)	mg/L	Quarterly	0.00002	0.00002	0.00002		0.00002	0.00002	0.00002		0.00002	0.00002	0.00002		0.00002	0.00002	0.00002		0.00002	0.00002	0.00002		0.00002	0.00002	0.00002		0.00002	0.00002	0.00002	
Molybdenum (dissolved)	mg/L	Quarterly	0.004	0.006	0.007		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.002		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005	
Nickel (dissolved)	mg/L	Quarterly	0.55	0.763	0.637		1.5	1.53	1.37		0.931	0.929	0.824		0.066	0.052	0.045		0.517	0.488	0.467		1.33	1.53	0.743		1.39	1.38	1.24	
Nitrate	mg/L	Quarterly	0.005	0.005	0.005		0.005	0.005	0.025		0.005	0.005	0.005		0.02	0.005	0.005		0.005	0.01	0.005		1.51	0.5	2.66		0.005	0.005	0.005	
Nitrate + nitrite (oxidised nitrogen)	mg/L	Quarterly	0.005	0.005	0.005		0.005	0.005	0.025		0.005	0.005	0.005		0.02	0.005	0.01		0.005	0.01	0.005		1.55	0.5	2.67		0.005	0.005	0.005	
Nitrite	mg/L	Quarterly	0.005	0.005	0.005		0.005	0.005	0.025		0.005	0.005	0.005		0.005	0.005	0.01		0.005	0.005	0.005		0.04	0.005	0.01		0.005	0.005	0.005	
pH	pH	Quarterly	5.91	5.9	5.85		6.54	6.13	6.23	6.02	6.17	6.21	6.14	6.06	5.95	6.17	6.27	5.68	6.12	6.18	6.2	6.05	6.04	6.02	6.07	5.89	6.08	6.12	6.21	6.11
Phosphorus (dissolved reactive)	mg/L	Quarterly	0.005	0.01	0.005		0.005	0.005	0.005		0.005	0.005	0.005		0.005	0.02	0.005		0.005	0.005	0.005		0.005	0.005	0.005		0.005	0.005	0.005	
Phosphorus (total)	mg/L	Quarterly	0.02	0.01	0.01		0.005	0.005	0.005		0.005	0.03	0.06		0.005	0.06	0.17		0.05	0.01	0.02		0.005	0.005	0.09		0.01	0.005	0.02	
Potassium	mg/L	Quarterly	120	150	129		75.4	71.6	70.5		39.8	38.7	36.6		10.9	10.3	9.33		20.7	19.3	18.4		113	118	70.9		261	248	245	
Selenium (dissolved)	mg/L	Quarterly	0.0002	0.0005	0.0003		0.0001	0.0003	0.0001	0.0001	0.0001	0.0003	0.0001		0.0001	0.0002	0.0001		0.0001	0.0002	0.0001		0.0018	0.0022	0.0025		0.0001	0.0005	0.0001	
Silver (dissolved)	mg/L	Quarterly	0.00005	0.00005	0.00005		0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005		0.00005	0.00005	0.00005		0.00005	0.00005	0.00005		0.00005	0.00005	0.00005		0.00005	0.00005	0.00005	
Sodium	mg/L	Quarterly	976	1190	1090		1210	1150	1210		597	570	582		102	79.5	72.9		288	259	268		1530	1480	1210		1780	1670	1680	
Standing Water Level	m	Quarterly	14.3	15.3	15.6		3.2	3.1	2.7	3.3	7.5	7.7	7.7	7.8	4.5	5.1	5.3	4.9	6.8	7.3	7	7.4	1.7	1.9	2	2.3	3.4	3.8	3.9	4.2
Sulfate (dissolved)	mg/L	Quarterly	2510	3410	2570		3780	3690	5990		2010	1790	2530		577	319	354		1170	955	1350		4390	3860	3420		4770	4210	6660	
Total dissolved solids	mg/L	Quarterly	4890	6090	5320		8660	7530	7470		4050	3570	3470		1250	668	660		2580	2030	2190		8760	8090	5320		9800	8620	8430	
Vanadium (dissolved)	mg/L	Quarterly	0.0004	0.0003	0.0004		0.0008	0.0005	0.0007	0.0004	0.0001	0.0001	0.0001		0.0001	0.0001	0.0001		0.0001	0.0001	0.0001		0.0005	0.0008	0.0003		0.0009	0.001	0.0009	
Zinc (dissolved)	mg/L	Quarterly	0.388	0.532	0.5		0.052	0.133	0.054		0.144	0.109	0.11		0.064	0.013	0.045		0.04	0.04	0.038		0.236	0.179	0.194		0.301	0.305	0.278	

Table 11: 2026 EPL 13007 Groundwater Data

Report creation date: 11 November 2026

NR = Not Required, ND = No Data

2026 Continued Groundwater Pollution Monitoring Data (PED)			Bore_D113 | EPA ID No.: 20				Bore MPGM4_D3 | EPA ID No.: 21				Bore MPGM4_D1 | EPA ID No.: 30				Bore MPGM4_D2 | EPA ID No.: 31				Bore MPGM4_D4 | EPA ID No.: 32				Bore MPGM4_D5 | EPA ID No.: 33				Bore MPGM4_D8 | EPA ID No.: 34			
Variable	**Unit**	**Frequency**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**
Aluminium (dissolved)	mg/L	Quarterly	0.008	0.0025	0.009		0.0025	0.0025	0.013		0.0025	0.007	0.0025		1.18	0.815	0.957	0.074	7.26	7.3	7.3	7.06	0.015	0.025	0.05	0.046	0.062	0.079	1.59	
Ammonia	mg/L	Quarterly	0.23	0.31	0.3		0.05	0.09	0.03		0.64	0.47	0.61		0.16	0.1	0.07	0.22	0.33	0.19	0.21	0.2	0.3	0.1	0.11	0.11	0.01	0.005	0.01	
Antimony (dissolved)	mg/L	Quarterly	0.0005	0.0005	0.0005		0.0005	0.002	0.0005		0.0005	0.005	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	
Arsenic (dissolved)	mg/L	Quarterly	0.001	0.0005	0.0005		0.0005	0.0005	0.0005		0.006	0.003	0.005		0.0005	0.002	0.0005	0.003	0.031	0.031	0.027	0.023	0.002	0.001	0.0005	0.0005	0.0005	0.0005	0.0005	
Arsenic (III)	mg/L	6-monthly	0.0005		0.0005		0.0005		0.0005		0.0067		0.0051			0.0005	0.0005			0.0189	0.0126			0.0005	0.0005		0.0005		0.0005	
Arsenic (V)	mg/L	6-monthly	0.0005		0.0012		0.0005		0.0005		0.0011		0.0023			0.0005	0.0005			0.011	0.0145			0.0014	0.0018		0.0005		0.0005	
Barium (dissolved)	mg/L	Quarterly	0.01	0.014	0.012		0.106	0.031	0.057		0.019	0.021	0.022		0.019	0.033	0.021	0.017	0.015	0.015	0.016	0.016	0.019	0.017	0.018	0.018	0.033	0.032	0.031	
Beryllium (dissolved)	mg/L	Quarterly	0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005	0.0005	0.002	0.002	0.003	0.002	0.002	0.002	0.001	0.0005	0.0005	0.0005	0.0005	
Bicarbonate alkalinity	mg/L	Quarterly	162	170	173		215	157	52		195	190	197		36	35	36	135	0.5	0.5	0.5	0.5	69	88	104	75	8	9	9	
Boron (dissolved)	mg/L	Quarterly	2	1.7	2.42		0.025	0.025	0.025		3.23	3.28	2.94		0.36	0.52	0.49	0.025	0.025	0.025	0.11	0.025	0.07	0.025	0.09	0.07	0.025	0.025	0.025	
Cadmium (dissolved)	mg/L	Quarterly	0.0003	0.0002	0.0001		0.00005	0.00005	0.00005		0.00005	0.00005	0.00005		0.00005	0.00005	0.00005	0.0003	0.0002	0.0002	0.0002	0.0002	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	
Calcium	mg/L	Quarterly	171	147	170		75.2	73.8	17.6		396	364	370		45	70.1	54.4	53	12.3	11.1	12.1	11.9	102	92.4	92.6	90.3	25.3	24.9	20.3	
Chloride (dissolved)	mg/L	Quarterly	262	212	289		95.7	42.7	28.3		707	734	532		161	87.8	63.9	19.1	45.5	17	16.9	16.9	86.3	22.1	19.9	25.2	20.9	18	11.7	
Chromium (dissolved)	mg/L	Quarterly	0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	
Chromium (hexavalent)	mg/L	6-monthly	0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.005	0.005	0.005		0.005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005		0.0005	
Chromium (trivalent)	mg/L	6-monthly	0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.005	0.005	0.005		0.005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005		0.0005	
Cobalt (dissolved)	mg/L	Quarterly	0.144	0.131	0.136		0.0005	0.001	0.0005		0.248	0.254	0.247		0.027	0.044	0.018	0.117	0.003	0.003	0.003	0.003	0.019	0.019	0.017	0.017	0.0005	0.0005	0.0005	
Copper (dissolved)	mg/L	Quarterly	0.0005	0.001	0.0005		0.0005	0.0005	0.003		0.007	0.0005	0.003		0.005	0.003	0.004	0.0005	0.002	0.001	0.001	0.001	0.0005	0.0005	0.0005	0.0005	0.002	0.003	0.005	
Cyanide (total)	mg/L	Quarterly	0.001	0.003	0.001		0.001	0.001	0.001		0.001	0.001	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
Dissolved organic carbon	mg/L	Quarterly	2	6	3		3	2	2		23	6	7		45	31	32	8	6	2	4	1	2	2	0.5	1	2	2	7	
Electrical conductivity	µS/cm	Quarterly	4656	4808	4620	5160	1044	869	330		8759	8640	8409		1030	1661	1290	1334	610	624	624	632	1191	1167	1139	1143	357	367	304	
Fluoride	mg/L	Quarterly	0.1	0.256	0.377		0.088	0.25	0.071		0.25	0.105	0.141		0.333	0.119	0.111	0.085	0.103	0.074	0.068	0.043	0.473	0.173	0.128	0.141	0.01	0.025	0.018	
Hardness (as calcium carbonate)	mg/L	Quarterly	1020	898	1110		398	354	96.7		2520	2350	2400		256	400	317	338	61.1	54.6	61.4	58.1	533	479	496	472	139	140	115	
Iron	mg/L	Quarterly	13.5	17.1	19		8.48	9.28	0.59		34.1	37.6	35.9		6.84	10.4	5.47	12.8	57.9	55.6	58.2	57.9	36.3	27	37.3	21.4	0.4	0.23	2.67	
Iron (dissolved)	mg/L	Quarterly	12.7	8.86	16.3		6	7.55	0.22		31.8	24.3	31.6		2.24	7.83	3.54	10.1	56.2	53.2	59.3	49.4	35.8	23.7	32.3	15	0.06	0.025	0.4	
Lead (dissolved)	mg/L	Quarterly	0.004	0.0005	0.003		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.002	0.003	0.002	0.0005	0.01	0.014	0.016	0.014	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	
Magnesium (dissolved)	mg/L	Quarterly	145	129	167		51	41.1	12.8		373	351	358		35	54.7	44	49.9	7.38	6.53	7.58	6.9	67.6	60.4	64.4	59.8	18.5	18.9	15.7	
Manganese (dissolved)	mg/L	Quarterly	5.32	4.94	6.13		0.455	0.689	0.056		14.6	15.9	16		1.61	2.69	1.55	6.98	0.598	0.608	0.628	0.607	7.41	6.8	7.29	6.84	0.034	0.041	0.055	
Mercury (dissolved)	mg/L	Quarterly	0.00002	0.00002	0.00002		0.00002	0.00002	0.00002		0.00002	0.00002	0.00002		0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	
Molybdenum (dissolved)	mg/L	Quarterly	0.0005	0.001	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	
Nickel (dissolved)	mg/L	Quarterly	0.566	0.519	0.549		0.006	0.006	0.002		1.54	1.57	1.49		0.092	0.154	0.098	0.226	0.012	0.012	0.011	0.011	0.042	0.042	0.038	0.037	0.044	0.039	0.03	
Nitrate	mg/L	Quarterly	0.005	0.05	0.005		0.05	0.005	0.04		0.005	0.005	0.005		0.05	0.005	0.06	0.005	0.005	0.005	0.04	0.005	0.005	0.005	0.02	0.005	0.11	0.15	0.19	
Nitrate + nitrite (oxidised nitrogen)	mg/L	Quarterly	0.005	0.05	0.005		0.05	0.005	0.04		0.005	0.005	0.005		0.05	0.005	0.06	0.005	0.005	0.005	0.04	0.005	0.01	0.005	0.02	0.005	0.11	0.15	0.19	
Nitrite	mg/L	Quarterly	0.005	0.005	0.005		0.005	0.005	0.005		0.005	0.005	0.005		0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01	0.005	0.005	0.005	0.005	0.005	0.005	
pH	pH	Quarterly	6.01	6.13	5.9	5.94	6.34	6.14	6.24		5.99	6.02	6.06		6.08	6.02	6.18	6.29	3.51	3.5	3.66	3.54	5.89	5.9	6.14	6.01	5.37	5.51	5.66	
Phosphorus (dissolved reactive)	mg/L	Quarterly	0.005	0.005	0.005		0.005	0.005	0.005		0.005	0.005	0.005		0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01	0.005	
Phosphorus (total)	mg/L	Quarterly	0.01	0.04	0.01		0.01	0.005	0.005		0.005	0.005	0.02		0.05	0.04	0.04	0.005	0.005	0.005	0.01	0.02	0.005	0.005	0.005	0.005	0.03	0.01	0.06	
Potassium	mg/L	Quarterly	92.2	84.1	79.7		9.48	9.86	3.3		126	114	114		11.4	16.7	13.1	11.8	8.88	9.51	9.16	9.03	10.6	11	9.71	10.1	2.86	2.69	2.66	
Selenium (dissolved)	mg/L	Quarterly	0.0001	0.0007	0.0001		0.0001	0.0001	0.0001		0.0001	0.0001	0.0001		0.0005	0.0005	0.0005	0.0001	0.0001	0.0002	0.0002	0.0001	0.0001	0.0002	0.0003	0.0001	0.0001	0.0001	0.0001	
Silver (dissolved)	mg/L	Quarterly	0.00005	0.00005	0.00005		0.00005	0.00005	0.00005		0.00005	0.00005	0.00005		0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	
Sodium	mg/L	Quarterly	732	670	740		71.2	39.8	27.7		1380	1250	1300		118	177	149	35.5	19.5	18.5	20.5	17.8	33.6	31.9	34.8	30.1	14.1	15.4	12.8	
Standing Water Level	m	Quarterly	9.6	9.8	9.9	10.1	7.4	7.8	9.2		2.8	3.2	3.4		2.8	2.8	3.1	2.5	1.4	1.4	1.4	1.5	10.5	10.4	10.5	10.7	2.6	2.4	8.3	
Sulfate (dissolved)	mg/L	Quarterly	1920	1600	2050		188	231	60.5		4100	4100	3080		1130	716	427	295	567	245	239	219	1550	471	365	463	119	125	79.2	
Total dissolved solids	mg/L	Quarterly	3850	3290	3550	4240	714	572	200		8590	7390	7380		745	1230	951	624	603	496	515	476	1010	891	852	769	298	225	262	
Vanadium (dissolved)	mg/L	Quarterly	0.0004	0.0004	0.0004		0.0001	0.0001	0.0001		0.0011	0.001	0.0009		0.0022	0.0014	0.0013	0.0001	0.004	0.0038	0.0041	0.0039	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0013	
Zinc (dissolved)	mg/L	Quarterly	0.254	0.301	0.241		0.011	0.0025	0.026		0.121	0.112	0.148		0.06	0.046	0.068	0.389	0.112	0.116	0.107	0.108	0.01	0.005	0.006	0.006	0.059	0.06	0.068	

Table 12: 2026 EPL 13007 Groundwater Data continued

Report creation date: 11 November 2026

NR = Not Required, ND = No Data

2026 Continued Groundwater Pollution Monitoring Data (PED)			Bore MPGM4_D9 | EPA ID No.: 35				Bore MPGM4_D15 | EPA ID No.: 36				Bore MPGM4_D16A | EPA ID No.: 37				Bore MPGM4_D19 | EPA ID No.: 38				Bore_D110 | EPA ID No.: 39				Bore_D117 | EPA ID No.: 40				Bore_D119 | EPA ID No.: 41			
Variable	**Unit**	**Frequency**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**
Aluminium (dissolved)	mg/L	Quarterly	0.0025	0.007	0.0025		0.0025	0.007	0.0025		0.0025	0.0025	0.0025		0.005	0.006	0.0025		0.006	0.0025	0.01		0.897	0.0025	0.01		0.0025	0.013	0.0025	
Ammonia	mg/L	Quarterly	0.37	0.46	0.61		0.53	0.4	0.36		0.4	0.32	0.33		0.25	0.25	0.27		0.41	0.43	0.37		0.28	0.43	0.37		0.67	0.43	0.27	
Antimony (dissolved)	mg/L	Quarterly	0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.004	0.0005	0.0005		0.0005	0.0005	0.0005	
Arsenic (dissolved)	mg/L	Quarterly	0.004	0.003	0.003		0.008	0.025	0.027		0.0005	0.0005	0.0005		0.001	0.001	0.001		0.004	0.002	0.008		0.001	0.002	0.008		0.008	0.005	0.002	
Arsenic (III)	mg/L	6-monthly	0.004		0.0031		0.006		0.0262		0.0005		0.0005		0.001		0.001		0.0056		0.0124		0.0005		0.0124		0.0005		0.0013	
Arsenic (V)	mg/L	6-monthly	0.0005		0.0014		0.0016		0.0169		0.0005		0.0005		0.0005		0.0012		0.0013		0.0005		0.0011		0.0005		0.0005		0.0005	
Barium (dissolved)	mg/L	Quarterly	0.02	0.03	0.027		0.022	0.015	0.02		0.067	0.082	0.108		0.011	0.012	0.012		0.016	0.015	0.013		0.027	0.015	0.013		0.018	0.014	0.027	
Beryllium (dissolved)	mg/L	Quarterly	0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.002	0.0005	0.0005		0.0005	0.0005	0.0005	
Bicarbonate alkalinity	mg/L	Quarterly	148	156	140		160	145	169		421	453	510		165	171	171		119	149	165		116	149	165		124	127	249	
Boron (dissolved)	mg/L	Quarterly	2.52	2.58	2.25		0.08	0.07	0.11		0.025	0.025	0.07		1.83	1.69	1.41		2.32	2.09	2.55		13.7	2.09	2.55		0.32	0.44	0.2	
Cadmium (dissolved)	mg/L	Quarterly	0.00005	0.00005	0.00005		0.00005	0.00005	0.00005		0.00005	0.00005	0.00005		0.00005	0.00005	0.00005		0.00005	0.00005	0.00005		0.0251	0.00005	0.00005		0.00005	0.00005	0.00005	
Calcium	mg/L	Quarterly	515	446	453		80.3	80	85.3		117	105	96.9		163	141	149		536	479	551		413	479	551		91.7	82.4	127	
Chloride (dissolved)	mg/L	Quarterly	83.7	879	658		82.5	85	65.2		17.5	17	14		267	246	215		943	884	947		125	884	947		98.9	73.8	63.8	
Chromium (dissolved)	mg/L	Quarterly	0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.001	0.0005		0.002	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005	
Chromium (hexavalent)	mg/L	6-monthly	0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005	
Chromium (trivalent)	mg/L	6-monthly	0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.0005		0.002		0.0005		0.0005		0.0005		0.0005		0.0005	
Cobalt (dissolved)	mg/L	Quarterly	0.198	0.197	0.198		0.136	0.149	0.147		0.003	0.0005	0.001		0.145	0.134	0.149		0.226	0.229	0.206		0.096	0.229	0.206		0.087	0.083	0.031	
Copper (dissolved)	mg/L	Quarterly	0.0005	0.0005	0.003		0.0005	0.0005	0.0005		0.001	0.002	0.0005		0.0005	0.0005	0.0005		0.036	0.0005	0.0005		0.005	0.0005	0.0005		0.003	0.0005	0.0005	
Cyanide (total)	mg/L	Quarterly	0.001	0.001	0.001		0.001	0.001	0.001		0.001	0.001	0.001		0.001	0.001	0.001		0.001	0.001	0.001		0.001	0.001	0.001		0.001	0.001	0.001	
Dissolved organic carbon	mg/L	Quarterly	6	6	10		0.5	2	2		0.5	1	1		2	3	4		8	6	6		0.5	6	6		6	2	3	
Electrical conductivity	µS/cm	Quarterly	9326	9259	8742		2012	2065	2011		1042	1066	1059		4552	4183	4170		9213	9966	8978		4671	9966	8978		2112	2089	1931	
Fluoride	mg/L	Quarterly	0.025	0.119	0.176		0.05	0.25	0.119		0.479	0.727	0.656		0.1	0.32	0.238		0.25	0.25	0.099		1.74	0.25	0.099		0.245	0.105	0.184	
Hardness (as calcium carbonate)	mg/L	Quarterly	3040	2710	2700		348	348	376		459	411	383		992	867	936		3180	2920	3310		1570	2920	3310		444	457	632	
Iron	mg/L	Quarterly	46.9	48.1	41.4		3.75	18	44.5		0.53	1.55	1.55		15.2	18.2	55.6		55	66.3	67		19.5	66.3	67		19.2	20.1	56.1	
Iron (dissolved)	mg/L	Quarterly	41.3	32.2	36.6		3.01	10.1	10.2		0.025	0.06	1.4		12.9	15.2	17		39.6	11.7	56.6		0.025	11.7	56.6		15.2	14.6	4.79	
Lead (dissolved)	mg/L	Quarterly	0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.0005	0.0005	0.0005		0.003	0.003	0.002		0.002	0.0005	0.0005		0.001	0.0005	0.0005		0.002	0.0005	0.0005	
Magnesium (dissolved)	mg/L	Quarterly	426	387	382		35.8	35.9	39.5		40.5	36.2	34.3		142	125	137		446	419	469		132	419	469		52.1	60.9	76.4	
Manganese (dissolved)	mg/L	Quarterly	12.3	12.5	12.5		0.741	0.77	0.961		0.156	0.111	0.125		5.27	5.25	7.86		13.6	13.1	14.1		8.16	13.1	14.1		1.64	1.74	1.3	
Mercury (dissolved)	mg/L	Quarterly	0.00002	0.00002	0.00002		0.00002	0.00002	0.00002		0.00002	0.00002	0.00002		0.00002	0.00002	0.00002		0.00002	0.00002	0.00002		0.00002	0.00002	0.00002		0.00002	0.00002	0.00002	
Molybdenum (dissolved)	mg/L	Quarterly	0.0005	0.0005	0.001		0.001	0.0005	0.003		0.008	0.003	0.006		0.0005	0.0005	0.0005		0.007	0.003	0.0005		0.288	0.003	0.0005		0.006	0.003	0.005	
Nickel (dissolved)	mg/L	Quarterly	1.58	1.54	1.61		0.198	0.212	0.198		0.014	0.004	0.004		0.573	0.537	0.583		1.69	1.69	1.52		0.301	1.69	1.52		0.181	0.166	0.066	
Nitrate	mg/L	Quarterly	0.005	0.005	0.005		0.05	0.06	0.005		0.25	0.02	0.02		0.005	0.005	0.01		0.04	0.03	0.025		2.74	0.03	0.025		0.35	0.04	0.06	
Nitrate + nitrite (oxidised nitrogen)	mg/L	Quarterly	0.005	0.005	0.005		0.05	0.06	0.005		0.25	0.02	0.02		0.005	0.005	0.01		0.04	0.03	0.025		2.74	0.03	0.025		0.35	0.04	0.06	
Nitrite	mg/L	Quarterly	0.005	0.005	0.005		0.005	0.005	0.005		0.005	0.005	0.005		0.005	0.005	0.005		0.005	0.005	0.025		0.005	0.005	0.025		0.005	0.005	0.005	
pH	pH	Quarterly	6.17	6.14	6.31		6.09	6.05	6.63		7.57	7.01	7.18		6.02	6.11	6.16		6.11	6.07	6		6.12	6.07	6		6.17	5.99	6.68	
Phosphorus (dissolved reactive)	mg/L	Quarterly	0.005	0.005	0.005		0.005	0.005	0.005		0.005	0.005	0.005		0.005	0.005	0.005		0.005	0.005	0.005		0.005	0.005	0.005		0.005	0.005	0.005	
Phosphorus (total)	mg/L	Quarterly	0.08	0.02	0.03		0.005	0.61	4.87		0.02	0.005	0.005		0.02	0.005	0.45		0.01	0.02	0.02		0.06	0.02	0.02		2.45	0.005	0.17	
Potassium	mg/L	Quarterly	97.2	95.1	94		27	26	25.3		23.5	21.1	20.2		83.7	70.7	60.7		96	88.1	85.7		141	88.1	85.7		32.3	36.3	24.2	
Selenium (dissolved)	mg/L	Quarterly	0.0003	0.0001	0.0005		0.0004	0.0001	0.0003		0.0003	0.0001	0.0001		0.0001	0.0008	0.0001		0.0004	0.0009	0.0001		0.123	0.0009	0.0001		0.0008	0.0004	0.0017	
Silver (dissolved)	mg/L	Quarterly	0.00005	0.00005	0.00005		0.00005	0.00005	0.00005		0.00005	0.00005	0.00005		0.00005	0.00005	0.00005		0.00005	0.00005	0.00005		0.00005	0.00005	0.00005		0.00005	0.00005	0.00005	
Sodium	mg/L	Quarterly	1420	1290	1290		303	281	281		67.7	74.9	84.5		701	606	602		1380	1310	1350		497	1310	1350		261	260	170	
Standing Water Level	m	Quarterly	2.7	2.2	2.8		24.7	25.3	25.4		38.3	39.4	29.5		9.6	9.9	9.9		19.2	19.4	19.6		28.6	19.4	19.6		29.5	29.4	29.7	
Sulfate (dissolved)	mg/L	Quarterly	417	4230	3310		749	756	595		162	139	105		1950	1740	1550		4270	4110	4370		2240	4110	4370		803	667	627	
Total dissolved solids	mg/L	Quarterly	8980	8000	7750		1400	1350	1410		698	652	635		3560	3220	3190		9070	7870	8140		4580	7870	8140		1430	1550	1420	
Vanadium (dissolved)	mg/L	Quarterly	0.0029	0.0029	0.0026		0.0001	0.0001	0.0004		0.0001	0.0001	0.0001		0.0003	0.0003	0.0001		0.0015	0.0013	0.0017		0.0014	0.0013	0.0017		0.0003	0.0002	0.0001	
Zinc (dissolved)	mg/L	Quarterly	0.054	0.042	0.09		0.142	0.118	0.113		0.074	0.048	0.013		0.205	0.177	0.173		0.189	0.167	0.157		0.762	0.167	0.157		0.389	0.141	0.047	

Table 13: 2026 EPL 13007 Groundwater Data continued

2025 Groundwater Pollution Monitoring Data (PED)			Bore MPGM4_D10 | EPA ID No.: 13				Bore_D102 | EPA ID No.: 14				Bore_D103 | EPA ID No.: 15				Bore_D104 | EPA ID No.: 16				Bore_D105 | EPA ID No.: 17				Bore_D106 | EPA ID No.: 18				Bore_D107 | EPA ID No.: 19				Bore_D113 | EPA ID No.: 20				Bore MPGM4_D3 | EPA ID No.: 21			
Variable	**Unit**	**Frequency**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**
Alkalinity (as calciumcarbonate)	mg/L	Quarterly	246	154	174	128	81	93	120	65	183	179	200	166	33	69	85	70	146	118	144	168	168	164	109	145	227	204	196	235	161	151	164	160	323	245	30	120
Aluminium	mg/L	Quarterly	0.715	0.342	0.117	0.073	0.268	0.053	0.054	0.128	0.032	0.058	0.085	0.121	0.031	0.266	0.21	2.52	<0.005	0.136	0.251	0.005	0.034	2.18	3.03	0.105	0.028	0.18	0.059	0.123	<0.005	<0.005	0.47	0.021	0.011	0.022	0.125	0.057
Ammonia	mg/L	Quarterly	30.3	4.73	9.62	1.04	0.35	0.28	0.35	0.36	0.21	0.26	0.24	0.23	0.12	0.11	0.1	0.21	0.12	0.5	0.33	0.13	0.51	0.47	0.38	0.31	0.31	0.39	0.12	0.41	0.21	0.21	0.2	0.23	0.01	0.09	0.01	0.08
Antimony	mg/L	Quarterly	0.002	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.002	0.002	<0.001	0.002	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic	mg/L	Quarterly	0.007	0.005	0.002	0.005	0.002	0.002	0.001	0.002	0.005	0.01	0.008	0.004	0.002	0.005	0.012	0.038	0.001	0.04	0.01	<0.001	0.003	0.025	0.004	0.003	0.007	0.014	0.007	0.015	0.001	<0.001	0.003	0.001	<0.001	<0.001	0.002	<0.001
Barium	mg/L	Quarterly	0.031	0.022	0.023	0.015	0.028	0.02	0.02	0.023	0.018	0.018	0.02	0.021	0.074	0.066	0.076	0.179	0.015	0.018	0.02	0.018	0.022	0.043	0.025	0.023	0.021	0.021	0.016	0.022	0.013	0.012	0.018	0.012	0.199	0.135	0.058	0.085
Beryllium	mg/L	Quarterly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bicarbonate alkalinity	mg/L	Quarterly	246	154	174	128	81	93	120	65	183	179	200	166	33	69	85	70	146	118	144	168	168	164	109	145	227	204	196	235	161	151	164	160	323	245	30	120
Boron	mg/L	Quarterly	1.72	3.04	1.56	2.29	1.32	1.26	1.21	1.29	2.01	1.93	1.92	1.93	0.24	0.12	0.11	0.08	0.55	0.84	0.81	0.34	3.05	3.37	2.08	2.14	5.44	4.12	3.52	4.54	2.19	2.03	1.69	2.02	<0.05	0.08	0.16	0.09
Cadmium	mg/L	Quarterly	0.0002	0.0012	<0.0001	0.0008	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	0.0004	0.0003	0.0009	0.0004	0.0003	0.001	0.0002	0.0003	0.0008	0.0002	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/L	Quarterly	147	215	130	236	514	484	495	508	190	194	200	216	124	62.9	65	76.1	151	179	206	146	378	412	354	348	328	337	351	357	170	169	171	163	60.9	52.1	10.2	79.6
Carbonate	mg/L	Quarterly	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride	mg/L	Quarterly	320	471	293	446	1530	1110	1360	1260	302	274	355	279	122	85.2	82.1	87.8	245	273	319	184	1180	1050	1210	1150	1060	839	998	857	360	314	331	306	184	170	29.9	37.7
Chromium	mg/L	Quarterly	0.002	0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.005	<0.001	0.001	<0.001	<0.001	<0.001	0.003	0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (hexavalent)	mg/L	Quarterly	0.002	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (trivalent)	mg/L	Quarterly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cobalt	mg/L	Quarterly	0.12	0.213	0.09	0.205	0.197	0.199	0.172	0.186	0.217	0.224	0.213	0.22	0.01	0.012	0.01	0.014	0.136	0.168	0.159	0.113	0.258	0.314	0.179	0.204	0.23	0.196	0.151	0.247	0.164	0.162	0.116	0.143	<0.001	<0.001	<0.001	0.001
Copper	mg/L	Quarterly	0.011	0.012	0.003	0.002	0.004	<0.001	<0.001	0.005	<0.001	0.002	<0.001	0.005	0.003	0.004	<0.001	0.03	0.004	0.007	0.002	0.002	0.003	0.018	0.009	0.002	0.003	0.022	0.002	0.004	0.001	0.002	0.018	0.005	0.002	0.005	<0.001	<0.001
Dissolved Oxygen	µS/cm	Quarterly	2.2	2.2	2.8	2.8	3.3	3	1.9	2.5	2.4	3.8	2.5	2.5	3.8	2.9	2.6	3.8	3.4	4.2	3	4.3	1.9	3.3	3.8	2.2	5.4	3	3.7	3.2	2.5	2.9	3.2	4.4	5.6	3.3	6.4	2.4
Electrical Conductivity	mg/L	Quarterly	5253	7302	4771	7925	8959	8685	8985	8852	4321	4256	4431	4412	1686	1035	1068	1166	2996	3455	3566	2790	10392	10602	9531	9104	10480	9353	9147	10765	5086	4974	4693	4513	1213	971	258	954
Iron	mg/L	Quarterly	10.5	12.2	10.9	11	62.5	71.9	69.1	70.2	18.5	24.2	21.9	22.2	12.6	7.81	11	34.8	23.1	57.5	32.6	18.9	25	82.8	25.9	20	23.8	28.4	10.9	27.4	14.1	12.5	8.59	16.2	0.07	0.71	0.35	5.57
Lead	mg/L	Quarterly	0.014	0.022	0.009	0.01	0.004	<0.001	<0.001	0.002	<0.001	<0.001	0.001	<0.001	0.001	0.002	<0.001	0.015	<0.001	0.015	0.005	<0.001	0.002	0.023	0.014	0.003	0.012	0.016	0.01	0.026	0.004	0.002	0.01	0.006	<0.001	0.001	0.001	<0.001
Magnesium	mg/L	Quarterly	140	219	127	227	493	429	436	438	197	181	181	197	82.8	41.5	42.3	52.5	153	156	168	140	468	427	390	388	411	339	337	395	162	144	140	137	52.7	42.9	8.63	44.4
Manganese	mg/L	Quarterly	3.39	5.98	3.28	6.76	13.7	13.2	13.1	14.4	10.8	10.7	11.7	12.7	3.55	2.02	1.94	2.55	9.56	11.1	12.2	8.7	14.3	13.4	11.3	12.5	10	8.84	7.99	10.2	6.21	5.74	4.45	5.61	0.026	0.203	0.044	1.39
Mercury	mg/L	Quarterly	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00011	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
Molybdenum	mg/L	Quarterly	0.034	0.017	0.005	0.007	0.002	<0.001	0.001	<0.001	<0.001	0.002	0.003	<0.001	<0.001	<0.001	0.001	0.003	<0.001	0.002	0.003	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.002	0.003	0.002	<0.001	<0.001	0.007	<0.001	<0.001	<0.001	<0.001	<0.001
Nickel	mg/L	Quarterly	0.465	0.831	0.398	0.794	1.55	1.56	1.38	1.5	0.872	0.915	0.875	0.917	0.056	0.058	0.048	0.071	0.534	0.645	0.618	0.475	1.76	2.01	1.32	1.41	1.42	1.3	1.06	1.5	0.653	0.66	0.518	0.545	0.011	0.02	0.006	0.025
Nitrate	mg/L	Quarterly	0.02	<0.01	<0.01	<0.01	0.01	<0.01	<0.10	<0.10	<0.01	0.02	0.02	<0.01	0.04	0.02	0.01	0.01	<0.01	0.01	0.02	<0.01	<0.01	<0.01	1.27	0.05	0.01	<0.01	0.26	0.01	0.01	0.11	0.36	<0.01	0.08	0.14	<0.01	<0.01
Nitrate + nitrite(oxidised nitrogen)	mg/L	Quarterly	0.02	<0.01	0.22	0.02	0.01	<0.01	<0.10	<0.10	<0.01	0.02	0.02	<0.01	0.04	0.02	0.01	0.01	<0.01	0.01	0.02	<0.01	<0.01	<0.01	1.39	0.07	0.01	<0.01	0.29	0.01	0.01	0.11	0.36	<0.01	0.08	0.16	<0.01	0.01
Nitrite	pH	Quarterly	<0.01	<0.01	0.22	0.02	<0.01	<0.01	<0.10	<0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.12	0.02	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	0.01
pH	mg/L	Quarterly	6.47	6.04	6.29	5.83	6.2	6.14	6.19	6.12	6.19	6.22	6.2	6.08	5.76	6.08	6.09	5.93	6.3	6.06	6.05	6.06	6.05	6.1	6.04	6.01	6.43	6.16	6.26	6.09	6.14	6.12	6.24	6.17	6.78	6.57	6.76	6.06
Potassium	mg/L	Quarterly	105	140	101	145	71.7	60	60	67	34.2	31.9	32.4	35.8	10.8	7.2	7.43	9.82	20.3	21.7	23.3	18.4	110	117	92.4	98.5	224	170	164	245	81.6	71.8	70.7	79.4	7.91	5.92	2.76	10
Selenium	mg/L	Quarterly	0.0039	0.0022	0.0005	0.0004	0.0005	0.0003	0.0003	0.0002	<0.0002	0.0003	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	0.001	0.0006	<0.0002	0.0002	0.0013	0.0032	0.0003	0.0003	0.0006	0.0005	0.0003	<0.0002	0.0003	0.0013	<0.0002	0.0002	<0.0002	<0.0002	<0.0002
Silver	mg/L	Quarterly	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0004	<0.0001	<0.0001	<0.0001	0.0007	<0.0001	<0.0001	<0.0001	0.0002	0.0002	<0.0001	<0.0001	0.0009	<0.0001	<0.0001	0.0001	0.0003	<0.0001	<0.0001	0.0001	0.0002	<0.0001	<0.0001	<0.0001	0.0008	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium	mg/L	Quarterly	799	1260	889	1250	1220	1080	1110	1170	545	524	526	572	104	65.2	73.8	91.7	296	321	344	263	1730	1680	1440	1460	1800	1460	1420	1840	768	687	669	713	90.8	77.4	25.6	42.3
Standing Water Level	m	Quarterly	15.8	15.6	14.4	15.1	2.5	2.8	2.7	2.4	7.6	8	7.7	7.5	4.6	4.9	4.7	4.7	6.7	7.1	7	6.7	1.5	1.9	1.8	1.5	3.3	3.7	3.6	3.3	9.6	10	9.8	9.5	7.5	7.7	6.8	7.4
Sulfate	mg/L	Quarterly	2150	3110	2030	3230	5580	4140	5040	5070	2150	2010	2610	2150	745	346	342	415	1370	1500	1760	1140	5710	5580	5680	5670	5900	4650	5410	5300	2460	2240	2370	2320	57.8	49	48.1	263
Sulfur	mg/L	Quarterly	725	1170	709	1410	1420	1300	1350	1620	709	628	608	800	245	102	105	154	438	453	477	425	1700	1710	1540	1700	1720	1450	1440	2080	820	686	637	795	14	15	16	103
Total Dissolved Solids	mg/L	Quarterly	4000	5870	3700	6010	9510	7880	7810	7810	3820	3440	3540	3210	1330	706	721	814	2550	2760	2820	1950	10700	9340	8240	7620	10800	7960	7720	9060	4390	3880	3560	3510	742	522	168	560
Vanadium	mg/L	Quarterly	0.0032	0.0017	0.0011	0.0006	0.0022	0.0004	0.0006	0.0013	<0.0002	0.0003	0.0004	0.0003	<0.0002	0.0004	0.0004	0.0047	<0.0002	0.002	0.001	<0.0002	0.0008	0.0073	0.0077	0.0008	0.0016	0.0041	0.0032	0.0045	0.0005	0.0003	0.0018	0.0005	<0.0002	<0.0002	<0.0002	<0.0002
Zinc	mg/L	Quarterly	0.203	0.51	0.132	0.55	0.116	0.063	0.056	0.065	0.116	0.163	0.137	0.134	0.15	0.107	0.044	0.102	0.054	0.142	0.12	0.048	0.176	0.343	0.228	0.224	0.301	0.278	0.157	0.399	0.28	0.296	0.351	0.258	0.008	0.046	0.019	0.027

Table 14: 2025 EPL 13007 Groundwater Data

Report creation date: 11 November 2026

NR = Not Required, ND = No Data

2024 Groundwater Pollution Monitoring Data (PED)			Bore MPGM4_D10 | EPA ID No.: 13				Bore_D102 | EPA ID No.: 14				Bore_D103 | EPA ID No.: 15				Bore_D104 | EPA ID No.: 16				Bore_D105 | EPA ID No.: 17				Bore_D106 | EPA ID No.: 18				Bore_D107 | EPA ID No.: 19				Bore_D113 | EPA ID No.: 20				Bore MPGM4_D3 | EPA ID No.: 21			
Variable	Unit	Frequency	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Alkalinity (as calciumcarbonate)	mg/L	Quarterly	131	144	148	157	63	58	79	117	215	205	214	207	74	47	71	71	122	146	135	166	180	175	176	182	233	238	248	254	169	167	171	175	179	58	89	162
Aluminium	mg/L	Quarterly	0.11	0.079	0.091	0.07	0.01	0.06	0.114	0.063	0.05	0.12	0.049	0.093	0.15	0.13	0.197	0.119	0.04	0.03	0.024	0.037	0.07	0.42	0.581	0.151	0.02	0.03	0.021	0.025	0.05	0.06	1.1	0.019	0.01	<0.01	0.008	0.013
Ammonia	mg/L	Quarterly	0.42	0.42	0.4	0.41	0.26	0.56	0.27	0.38	0.16	0.19	0.17	0.2	0.11	0.1	0.09	0.01	0.12	0.13	0.1	0.12	0.37	0.41	0.41	0.48	0.38	0.46	0.41	0.38	0.21	0.19	0.24	0.21	0.07	0.03	<0.01	0.07
Antimony	mg/L	Quarterly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic	mg/L	Quarterly	0.003	0.003	0.002	0.003	0.001	<0.001	0.001	0.001	0.003	0.007	0.005	0.005	0.008	0.004	0.005	0.002	0.003	0.002	0.001	0.002	0.002	0.005	0.002	0.002	0.003	0.005	0.006	0.006	<0.001	0.001	0.002	0.002	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	Quarterly	0.017	0.016	0.017	0.016	0.024	0.026	0.026	0.022	0.016	0.018	0.017	0.018	0.099	0.099	0.094	0.069	0.017	0.015	0.016	0.017	0.019	0.024	0.019	0.019	0.019	0.016	0.018	0.018	0.011	0.012	0.019	0.011	0.081	0.056	0.071	0.053
Beryllium	mg/L	Quarterly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bicarbonate alkalinity	mg/L	Quarterly	131	144	148	157	63	58	79	117	215	205	214	207	74	47	71	71	122	146	135	166	180	175	176	182	233	238	248	254	169	167	171	175	179	58	89	162
Boron	mg/L	Quarterly	3.12	3.63	2.95	4.45	1.14	1.29	1.25	1.2	1.54	1.8	1.66	1.71	0.06	0.07	0.12	0.06	0.71	0.55	0.49	0.49	2.3	2.96	2.4	2.35	5.05	5.05	5.39	5.48	1.48	2.08	1.99	1.95	0.08	<0.05	0.21	0.22
Cadmium	mg/L	Quarterly	0.0004	0.0009	0.001	0.0017	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0002	<0.0001	<0.0001	0.0014	0.0012	0.0012	0.0011	0.0001	0.0002	0.0003	0.0002	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/L	Quarterly	264	291	283	308	523	488	561	526	175	181	175	191	82.7	84.8	65.4	67.6	181	163	150	161	481	478	464	420	403	381	372	359	159	179	198	218	79.8	28.6	25.5	75.9
Carbonate	mg/L	Quarterly	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride	mg/L	Quarterly	602	635	675	673	1160	1140	1030	1130	219	240	216	251	75.5	81.2	84.4	83.2	250	221	192	219	1300	1150	1130	1040	1250	1090	814	930	254	307	289	352	84.4	37.2	72.1	65.5
Chromium	mg/L	Quarterly	0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.007	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.003	0.002	<0.001	<0.001	0.002	0.003	0.003	0.001	<0.001	<0.001	<0.001	<0.001
Chromium (hexavalent)	mg/L	Quarterly	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001
Chromium (trivalent)	mg/L	Quarterly	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001
Cobalt	mg/L	Quarterly	0.231	0.25	0.253	0.276	0.212	0.178	0.208	0.2	0.183	0.178	0.192	0.205	0.016	0.011	0.016	0.014	0.167	0.119	0.13	0.136	0.346	0.294	0.302	0.277	0.353	0.226	0.268	0.257	0.128	0.134	0.161	0.171	0.001	<0.001	<0.001	<0.001
Copper	mg/L	Quarterly	<0.001	0.001	0.007	0.002	<0.001	0.004	0.006	0.002	<0.001	0.001	0.003	0.002	0.002	0.002	0.007	0.002	<0.001	<0.001	0.001	0.002	<0.001	0.005	0.003	0.004	0.001	<0.001	0.002	0.004	<0.001	<0.001	0.011	0.002	0.002	<0.001	0.001	<0.001
Dissolved Oxygen	µS/cm	Quarterly	1.4	1	1.7	1	2.5	4.5	2.9	2	1.1	1.7	1.4	1.8	1.3	1.3	2.4	2.5	1.3	2.2	1.3	1.5	1.5	2.3	1.7	2.2	1.1	2	1.4	3.1	1.2	1.3	3.8	1.4	1.7	3.2	5.8	1.5
Electrical Conductivity	mg/L	Quarterly	8260	9333	9562	11405	8550	9490	9018	8965	3660	4370	3860	4103	1210	1320	992	1094	3210	3380	2862	3020	11640	13320	11469	10625	13290	13630	11733	11091	4320	5360	4940	5478	1010	461	527	1081
Iron	mg/L	Quarterly	9.14	6.99	7.68	6.71	50	38.9	53.8	69.8	9.83	20.1	14.7	21.7	13.3	10	4.59	1.11	21	23.8	18.4	25.7	24.6	31.2	21.9	26.8	21.9	21.7	17.5	22.6	8.38	13.1	11.3	16	10.4	1.29	0.3	7.16
Lead	mg/L	Quarterly	0.009	0.011	0.011	0.029	<0.001	<0.001	0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.001	0.007	0.002	0.002	0.015	0.012	0.013	0.013	0.003	0.003	0.006	0.003	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/L	Quarterly	288	314	303	329	474	452	483	464	171	176	176	184	54.5	57.8	45.7	46.5	168	157	152	156	588	567	542	484	528	472	455	423	138	156	174	190	50.4	20	20.3	44.9
Manganese	mg/L	Quarterly	6.66	6.96	7.18	8.68	14.7	15.2	13.7	16	9.81	10.5	9.44	12.2	2.64	2.82	2.3	2.29	12	10	8.95	11.1	18.2	17.8	15.9	16.6	13.3	11.3	10.5	12.3	5.18	6.63	6.33	8.07	0.678	0.107	0.046	0.678
Mercury	mg/L	Quarterly	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00007	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
Molybdenum	mg/L	Quarterly	0.007	0.008	0.008	0.009	<0.001	0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Nickel	mg/L	Quarterly	0.895	1.02	1.02	1.13	1.6	1.36	1.62	1.57	0.704	0.695	0.762	0.816	0.055	0.043	0.055	0.067	0.607	0.452	0.529	0.546	2.21	1.99	2.04	1.85	2.03	1.37	1.63	1.55	0.485	0.507	0.621	0.667	0.011	0.003	0.006	0.006
Nitrate	mg/L	Quarterly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	0.02	0.04	0.06	<0.01	<0.01	0.02	<0.01	0.01	<0.01	0.02	0.03	0.02	<0.01	0.01	<0.01	<0.01	<0.01	0.06	<0.01	0.02	0.03	0.04	0.01
Nitrate + nitrite(oxidised nitrogen)	mg/L	Quarterly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07	0.02	0.04	0.06	<0.01	<0.01	0.02	<0.01	0.01	<0.01	0.02	0.03	0.02	<0.01	0.01	<0.01	<0.01	<0.01	0.06	<0.01	0.02	0.03	0.04	0.01
Nitrite	pH	Quarterly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH	mg/L	Quarterly	5.91	5.78	5.87	5.84	6.12	6.08	6.11	6.05	6.2	6.19	6.1	6.07	5.99	5.74	5.91	5.85	5.96	6.07	5.96	5.93	6.03	6.05	5.95	5.95	6.09	6.12	5.98	6.03	6.05	6.01	6.12	5.91	6.22	6.96	6.32	6.17
Potassium	mg/L	Quarterly	179	185	190	201	77.8	66.3	71.3	67.1	34.2	31.7	33.5	33.2	10.6	9.01	8.29	8.71	26.5	22.1	20.6	21.5	118	131	119	107	302	287	278	275	81	81.3	83.8	89.8	11.1	4.68	3.96	9.67
Selenium	mg/L	Quarterly	0.0006	0.0011	0.0012	0.0022	<0.0002	0.0006	0.0005	0.0004	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0005	0.0004	0.0004	<0.0002	0.0003	0.0004	0.0004	<0.0002	<0.0002	0.0004	0.0003	<0.0002	<0.0002	<0.0002	<0.0002
Silver	mg/L	Quarterly	<0.001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.0001	<0.0001
Sodium	mg/L	Quarterly	1380	1720	1640	1780	1140	1050	1200	1160	483	492	488	521	90.3	70.7	72.4	86.8	337	305	283	306	2030	2050	1990	1810	2350	2210	2150	1980	683	708	754	854	42.3	31.9	44.4	47.4
Standing Water Level	m	Quarterly	14.1	14.7	14.9	15.4	1.9	2.1	2.5	2.6	7.1	7.4	7.6	7.7	4.3	4.4	4.7	4.8	9.4	6.7	7	7	0.7	1.3	1.2	1.5	2.4	3	3.2	3.4	8.9	9.2	9.6	9.9	6.7	6.7	7.1	7.5
Sulfate	mg/L	Quarterly	4080	4250	4480	4570	4310	3900	3930	4090	1730	1770	1660	1840	429	434	377	350	1480	1300	1230	1240	6250	5640	5610	5110	7140	6100	4900	5370	1860	2100	2060	2410	278	110	52.2	262
Sulfur	mg/L	Quarterly	1540	1450	1560	1900	1340	1400	1350	1350	555	635	555	608	141	158	113	118	461	470	386	417	2000	2160	1800	1760	2190	2180	1890	1840	635	786	733	855	84	38	17	86
Total Dissolved Solids	mg/L	Quarterly	7050	8010	7850	8960	7890	7340	7960	7880	2950	2960	3020	3290	832	818	684	739	2890	2300	2200	2380	11500	10700	10400	9420	12000	10300	10100	9520	3400	3700	3950	4530	553	265	266	706
Vanadium	mg/L	Quarterly	<0.01	0.0004	0.0004	0.0005	<0.01	<0.01	0.0014	0.001	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.0005	0.0002	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	0.0015	0.001	<0.01	<0.01	0.0012	0.0012	<0.01	<0.01	0.0029	0.0004	<0.01	<0.01	<0.0002	<0.0002
Zinc	mg/L	Quarterly	0.589	0.69	0.78	0.896	0.045	0.119	0.09	0.077	0.074	0.121	0.112	0.13	0.118	0.146	0.056	0.074	0.08	0.062	0.051	0.068	0.179	0.237	0.183	0.18	0.366	0.329	0.356	0.352	0.176	0.235	0.316	0.284	0.011	<0.005	0.015	0.012

Table 15: 2024 EPL 13007 Groundwater Data

Report creation date: 11 November 2026

NR = Not Required, ND = No Data

2023 Groundwater Pollution Monitoring Data (PED)			Bore MPGM4_D10 | EPA ID No.: 13				Bore_D102 | EPA ID No.: 14				Bore_D103 | EPA ID No.: 15				Bore_D104 | EPA ID No.: 16				Bore_D105 | EPA ID No.: 17				Bore_D106 | EPA ID No.: 18				Bore_D107 | EPA ID No.: 19				Bore_D113 | EPA ID No.: 20				Bore MPGM4_D3 | EPA ID No.: 21			
Variable	**Unit**	**Frequency**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**
Alkalinity (as calciumcarbonate)	mg/L	Quarterly	134	199	205	163	104	70	110	98	232	239	252	228	140	65	90	85	158	140	155	151	216	186	192	196	268	238	249	252	183	158	171	180	168	129	178	159
Aluminium	mg/L	Quarterly	0.1	0.04	0.06	0.12	0.04	0.02	0.11	0.04	0.92	0.06	0.26	0.13	0.21	0.18	0.31	0.02	0.03	<0.01	0.02	0.02	0.05	0.02	1.76	0.65	0.03	<0.01	0.1	0.04	0.19	0.05	0.3	0.08	0.01	<0.01	0.02	0.02
Ammonia	mg/L	Quarterly	0.36	0.37	0.41	0.43	0.3	0.34	0.31	0.23	0.24	0.16	0.18	0.27	0.2	0.1	0.12	0.04	0.26	0.28	0.13	0.17	0.36	0.36	0.4	0.31	0.39	0.42	0.48	0.35	0.25	0.3	0.25	0.24	0.08	0.12	0.09	0.07
Antimony	mg/L	Quarterly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	<0.001	<0.001	<0.001	0.003	<0.001
Arsenic	mg/L	Quarterly	0.01	0.004	0.007	0.002	<0.001	<0.001	0.001	<0.001	0.009	0.004	0.006	0.004	0.032	0.011	0.008	0.004	0.002	<0.001	0.002	<0.001	0.002	0.001	0.005	0.002	0.007	0.006	0.008	0.004	0.001	0.001	0.001	0.001	0.006	<0.001	0.001	<0.001
Barium	mg/L	Quarterly	0.021	0.022	0.022	0.019	0.024	0.021	0.025	0.021	0.024	0.014	0.017	0.016	0.154	0.178	0.192	0.122	0.018	0.016	0.023	0.015	0.022	0.017	0.041	0.02	0.02	0.016	0.024	0.017	0.014	0.011	0.018	0.013	0.085	0.028	0.068	0.046
Beryllium	mg/L	Quarterly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001
Bicarbonate alkalinity	mg/L	Quarterly	134	199	205	163	104	70	110	98	232	239	252	228	140	65	90	85	158	140	155	151	216	186	192	196	268	238	249	252	183	158	171	180	168	129	178	159
Boron	mg/L	Quarterly	2.62	2.81	3.05	5.44	1.39	1.36	1.39	1.22	1.67	1.64	1.78	1.62	<0.05	<0.05	0.13	<0.05	0.54	0.52	0.8	0.51	2.61	1.84	1.99	1.9	5.41	5.35	6.14	5.02	1.69	1.69	1.78	1.86	0.07	<0.05	<0.05	<0.05
Cadmium	mg/L	Quarterly	0.0003	<0.0001	<0.0001	0.0003	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0001	0.0001	0.0011	0.0009	0.0011	0.001	0.0001	0.0001	0.0002	0.0001	<0.0001	<0.0001	0.0004	<0.0001
Calcium	mg/L	Quarterly	220	243	261	346	522	512	548	522	158	143	154	168	68.3	104	68.2	65.2	164	164	168	175	568	497	511	492	382	373	389	390	148	180	187	201	70.5	70.2	85.1	79.2
Carbonate	mg/L	Quarterly	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride	mg/L	Quarterly	516	555	614	962	1520	1070	1020	1040	205	180	180	203	31.3	76.2	60.6	68.4	236	221	216	220	1680	1410	1320	1290	1730	1170	1190	1120	226	289	309	313	89.2	40.2	68.7	52.5
Chromium	mg/L	Quarterly	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.008	0.001	<0.001	<0.001	0.003	0.008	0.016	0.015	0.234	0.011	<0.001	<0.001	0.001	<0.001
Chromium (hexavalent)	mg/L	Quarterly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chromium (trivalent)	mg/L	Quarterly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt	mg/L	Quarterly	0.269	0.206	0.212	0.274	0.229	0.211	0.244	0.199	0.167	0.156	0.169	0.169	0.049	0.055	0.048	0.027	0.143	0.148	0.159	0.144	0.332	0.328	0.342	0.312	0.304	0.304	0.326	0.288	0.114	0.157	0.168	0.167	0.01	<0.001	0.002	<0.001
Copper	mg/L	Quarterly	<0.001	<0.001	0.011	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	0.002	0.002	0.006	0.004	<0.001	<0.001	<0.001	<0.001	0.001	0.004	0.01	0.003	<0.001	0.005	<0.001	0.001	0.001	<0.001	0.006	0.001	0.013	<0.001	0.002	<0.001
Dissolved Oxygen	mg/L	Quarterly	1	0.8	0.7	0.8	1.9	2.2	1.8	1.7	1.4	2	1.4	1.5	1.4	1.9	1.8	1.7	1	1.1	1.3	1	1.7	1.1	1.7	1.2	1	1.3	1.4	1.3	0.7	1	1.3	0.6	1.8	0.7	1.7	1.2
Electrical Conductivity	µS/cm	Quarterly	7120	8210	8250	11330	8610	8500	8750	8520	3560	3360	3440	3580	750	1280	930	970	2960	3070	3120	3120	13100	12670	12260	11850	12720	12680	12520	12240	3600	4570	4620	4830	1010	870	1020	930
Iron	mg/L	Quarterly	9.84	6.19	9.6	5.83	49.9	34.6	58.4	49.6	15.5	11	18.7	14.5	18.7	9.47	9.17	2.42	21.9	17.4	27.3	21.5	31.8	21.8	43.3	28.1	21.4	19.3	28.7	21.4	8.68	10.2	14.9	12.1	10.8	6.59	10.4	8.8
Lead	mg/L	Quarterly	0.007	<0.001	0.005	0.011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	0.007	0.002	0.01	0.009	0.014	0.012	0.003	0.002	0.003	0.003	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/L	Quarterly	228	252	279	395	475	452	483	480	154	133	149	162	27.5	57.4	38.4	40	158	151	162	165	690	616	634	612	544	497	520	510	124	147	159	168	45	38.6	52.1	45.8
Manganese	mg/L	Quarterly	7.31	6.33	6.48	10.4	14.3	14.2	14.4	13.6	8.35	7.99	7.92	8.83	3.89	3.58	4.16	2.43	9.91	10.2	10.5	10.1	20	19.4	18.2	17.6	13.1	12.5	12.5	11.8	4.63	6.26	6.14	6.53	0.665	0.655	0.581	0.686
Mercury	mg/L	Quarterly	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00005	<0.00004	0.0001	<0.00004	0.00007	<0.00004	0.00007	0.00011	0.00005	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
Molybdenum	mg/L	Quarterly	0.006	0.011	0.015	0.011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	0.002	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.008	<0.001	<0.001	<0.001	0.001	<0.001
Nickel	mg/L	Quarterly	0.864	0.81	0.845	1.21	1.5	1.42	1.66	1.43	0.606	0.568	0.647	0.648	0.124	0.194	0.088	0.06	0.524	0.541	0.586	0.542	2.1	2.2	2.14	2.04	1.79	1.77	1.89	1.69	0.361	0.538	0.692	0.601	0.016	0.008	0.008	0.006
Nitrate	mg/L	Quarterly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	0.02	0.02	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	0.03	0.02	0.02	0.01
Nitrate + nitrite(oxidised nitrogen)	mg/L	Quarterly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	0.02	0.04	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	0.03	0.02	0.04	0.01
Nitrite	mg/L	Quarterly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01
pH	pH	Quarterly	5.85	6.06	6.07	5.95	8.61	6.06	6.08	6.15	6.28	6.33	6.26	6.26	6.49	5.92	6.1	6.07	6.05	6.04	5.99	6.07	6.12	6.03	6.05	6.11	6.1	6.14	6.08	6.14	6.09	6.03	6.02	6.07	6.2	6.11	6.25	6.22
Potassium	mg/L	Quarterly	125	178	155	235	71.1	64.9	80.5	77.8	29.7	24.6	32.6	33.1	5.01	7.57	8.82	8.67	21.9	20	25.2	24.4	119	93.2	107	112	269	273	291	294	65.7	71.2	88.2	87.7	7.81	8.81	10.1	9.8
Selenium	mg/L	Quarterly	0.0005	0.0004	0.0004	0.0012	0.0002	0.0002	0.0002	0.0002	0.0002	<0.0002	<0.0002	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	0.0003	0.0002	0.0002	0.0003	0.0004	0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Silver	mg/L	Quarterly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	mg/L	Quarterly	1120	1320	1480	2080	1060	1090	1100	1110	457	438	449	460	49.8	80.5	68.3	82.2	294	310	312	312	2090	2130	2100	2070	2110	2320	2260	2260	506	668	684	713	56.9	39.1	59	45.9
Standing Water Level	m	Quarterly	14	14.2	14.8	15.7	1.5	1.9	2.1	2.4	6.9	7.2	7.1	7.4	4.2	4.5	4.6	4.5	6.2	6.5	6.6	6.9	0	0.6	0.9	1.2	1.6	0.4	2.8	3	8.5	8.9	9.1	9.5	6.1	6.7	7	7.2
Sulfate	mg/L	Quarterly	3410	3450	3960	5910	5220	3860	3810	3730	1570	1410	1420	1580	184	486	288	288	1400	1340	1320	1300	7480	6200	6250	5810	8540	6210	6500	6080	1690	2040	2220	2150	227	250	242	238
Sulfur	mg/L	Quarterly	1130	1220	1310	1940	1340	1160	1350	1390	557	450	484	552	60	160	91	99	422	423	446	462	2290	1980	1920	2120	2130	1950	2000	2190	524	657	699	773	71	80	85	76
Total Dissolved Solids	mg/L	Quarterly	5950	6710	6950	10400	8200	7050	7680	7550	2790	2660	2700	2790	486	903	579	582	2540	2440	2380	2330	12600	11400	11000	10900	11200	10900	11100	10800	2770	3840	3630	3850	618	530	699	583
Vanadium	mg/L	Quarterly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	mg/L	Quarterly	0.747	0.275	0.309	0.676	0.058	0.07	0.095	0.066	0.117	0.092	0.107	0.096	0.096	0.382	0.234	0.106	0.062	0.077	0.082	0.064	0.243	0.21	0.245	0.193	0.338	0.34	0.393	0.35	0.2	0.25	0.273	0.256	0.011	0.007	0.013	0.006

Table 16: 2023 EPL 13007 Groundwater Data

2026 Surface Water Pollution Monitoring Data (PED)			SW_Wangcol C | EPA ID No.: 22												SW_Wangcol E | EPA ID No.: 23												SW_Wangcol F | EPA ID No.: 24											
Variable	Unit	Frequency	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Aluminium (dissolved)	mg/L	Monthly	0.024	0.117	0.012	0.007	0.008	0.06	0.06	<0.005	0.012	0.008			<0.005	0.011	0.006	<0.005	0.005	0.021	0.01	<0.005	<0.005	<0.005			<0.005	0.011	0.011	<0.005	<0.005	0.029	0.015	<0.005	<0.005	<0.005		
Ammonia	mg/L	Monthly	<0.01	0.04	0.01	0.01	<0.01	0.05	0.03	0.01	0.01	0.04			0.03	0.02	0.04	0.03	<0.01	0.03	0.02	0.04	0.03	0.04			0.03	0.02	0.02	<0.01	<0.01	0.03	0.02	<0.01	0.02	0.01		
Antimony (dissolved)	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001		
Arsenic (dissolved)	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Arsenic (III)	mg/L	6-monthly	<0.0010						<0.0010						<0.0010						<0.0010						<0.0010						<0.0010					
Arsenic (V)	mg/L	6-monthly	<0.0010						<0.0010						<0.0010						<0.0010						<0.0010						<0.0010					
Barium (dissolved)	mg/L	Monthly	0.02	0.015	0.016	0.019	0.02	0.012	0.014	0.017	0.018	0.023			0.027	0.018	0.02	0.022	0.019	0.013	0.013	0.018	0.019	0.022			0.027	0.018	0.012	0.013	0.022	0.012	0.009	0.021	0.018	0.033		
Beryllium (dissolved)	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Bicarbonate alkalinity	mg/L	Monthly	82	61	103	103	118	75	69	97	100	131			43	45	120	115	114	81	88	95	99	139			43	45	101	105	123	89	89	90	94	131		
Boron (dissolved)	mg/L	Monthly	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	0.06	<0.05			0.11	0.09	0.2	0.23	0.06	<0.05	0.06	0.24	0.22	0.35			0.11	0.09	0.13	0.11	0.24	0.11	0.06	0.21	0.23	0.35		
Cadmium (dissolved)	mg/L	Monthly	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		
Calcium	mg/L	Monthly	22.3	15.2	18.6	21.6	28.7	20.5	14.6	21.4	21.1	26.8			38.1	24.2	41.2	44.4	30.7	18	19	42	38.2	60.3			38.1	24.2	31.6	30.9	57.4	28.3	21.2	45.9	43.9	79.3		
Chloride (dissolved)	mg/L	Monthly	8.92	5.71	11.1	10.5	16.8	8.47	10.9	14.3	9.57	9.18			17.4	26.2	60.7	65.6	30.6	15.3	23.2	69.9	55.5	88.1			17.4	26.2	40.1	38.2	92.2	37	26.6	79.9	67.2	119		
Chromium (dissolved)	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Chromium (hexavalent)	mg/L	6-monthly	<0.001						<0.001						<0.001						<0.001						<0.001						<0.001					
Chromium (trivalent)	mg/L	6-monthly	<0.001						<0.001						<0.001						<0.001						<0.001						<0.001					
Cobalt (dissolved)	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			0.004	0.002	0.008	0.01	0.003	<0.001	0.002	0.009	0.008	0.014			0.004	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Copper (dissolved)	mg/L	Monthly	0.001	0.002	0.002	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	0.004	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.002	<0.001		
Cyanide (total)	mg/L	Monthly	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
Dissolved organic carbon	mg/L	Monthly	4	5	5	3	6	6	5	3	3	4			4	3	5	8	5	5	3	4	2	4			4	3	7	3	4	6	4	3	3	4		
Electrical conductivity	µS/cm	Monthly	316	192	338	376	488	282	263	433	359	382			657	481	1078	1191	619	391	457	1186	1010	1517			657	481	722	735	1409	677	523	1253	1118	1849		
Fluoride Hardness (as calcium carbonate)	mg/L	Monthly	0.299	0.191	0.186	0.271	0.17	0.194	0.101	0.123	0.179	0.2			0.079	0.202	0.149	0.222	0.159	0.193	0.116	0.111	0.146	0.17			0.079	0.202	0.156	0.225	0.131	0.183	0.114	0.117	0.144	0.159		
Iron	mg/L	Monthly	0.41	0.99	0.57	0.43	0.55	0.45	0.48	0.48	0.58	0.5			0.78	0.73	1.56	1.73	1.19	0.73	0.71	1.41	0.98	2.34			0.78	0.73	0.25	0.2	0.42	0.63	0.37	0.13	0.15	0.16		
Lead (dissolved)	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Magnesium (dissolved)	mg/L	Monthly	10	6.19	8.46	11.2	16.4	8.12	7.81	13.1	11.7	14.4			23	15.4	33.1	35.8	19.4	10.3	14.2	37	30.4	50.5			23	15.4	21.4	22.3	45.1	20.4	16.5	39.6	33.8	64.4		
Manganese (dissolved)	mg/L	Monthly	0.119	0.143	0.172	0.158	0.107	0.043	0.09	0.13	0.11	0.238			0.84	0.298	1.22	1.4	0.617	0.166	0.322	0.896	0.745	1.35			0.84	0.298	0.219	0.448	0.436	0.212	0.094	0.197	0.11	0.174		
Mercury (dissolved)	mg/L	Monthly	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004			<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004			<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004		
Molybdenum (dissolved)	mg/L	Monthly	0.004	0.003	0.003	0.003	0.004	0.003	0.002	0.002	0.003	0.003			<0.001	<0.001	0.001	0.001	0.002	0.002	0.002	<0.001	0.002	0.001			<0.001	<0.001	0.002	0.002	<0.001	0.002	0.001	0.001	0.004	0.001		
Nickel (dissolved)	mg/L	Monthly	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.003			0.029	0.022	0.083	0.107	0.022	0.009	0.022	0.087	0.083	0.148			0.029	0.022	0.038	0.041	0.091	0.032	0.022	0.073	0.073	0.145		
Nitrate	mg/L	Monthly	0.01	0.04	<0.01	0.01	0.01	0.05	0.04	<0.01	<0.01	<0.01			0.01	<0.01	0.01	0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01			0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Nitrate + nitrite (oxidised nitrogen)	mg/L	Monthly	0.01	0.04	<0.01	0.01	0.02	0.05	0.04	<0.01	<0.01	<0.01			0.01	<0.01	0.01	0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01			0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Nitrite	mg/L	Monthly	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
pH	pH	Monthly	7.4	7.26	7.43	7.98	8.3	8.18	8.63	8.62	8.17	7.55			7.15	7.43	7.2	8.13	8.05	8.28	8.49	8.07	7.84	7.03			7.15	7.43	7.77	8.02	7.84	8.1	8.25	8.42	8.19	7.66		
Phosphorus (dissolved reactive)	mg/L	Monthly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Phosphorus (total)	mg/L	Monthly	0.01	0.09	<0.01	<0.01	0.06	0.07	<0.01	0.04	0.04	0.02			<0.01	0.02	<0.01	<0.01	0.08	0.02	<0.01	<0.01	0.02	0.01			<0.01	0.02	<0.01	<0.01	0.04	0.02	<0.01	0.02	0.01	<0.01		
Potassium	mg/L	Monthly	3.99	5.15	4.14	4.72	9.39	6.69	4.03	5.12	5	5.68			6.32	6.95	12.7	13.9	11.1	6.74	5.64	13.4	12.1	19.2			6.32	6.95	8.88	8.72	18.8	10.4	6.58	13.3	12.3	20.8		
Selenium (dissolved)	mg/L	Monthly	0.0004	0.0002	0.0006	0.0003	0.0004	0.0003	0.0006	0.0003	0.0002	<0.0002			<0.0002	<0.0002	0.0003	<0.0002	0.0004	0.0003	0.0002	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002	0.0003	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
Silver (dissolved)	mg/L	Monthly	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		
Sodium	mg/L	Monthly	30.9	18.6	40.7	40.6	50.2	35.1	26	40	30.4	36.4			61.2	50.9	122	137	71.5	39.2	47.1	115	107	181			61.2	50.9	79.9	80.7	175	76.4	52.7	118	115	226		
Sulfate (dissolved)	mg/L	Monthly	97.9	29.7	52.6	61.2	103	49	40.8	94.8	57	54.4			181	227	331	334	148	70.9	97	406	298	470			181	227	199	171	443	179	119	438	344	607		
Total dissolved solids	mg/L	Monthly	207	146	226	225	344	200	172	240	188	219			460	341	676	746	416	240	298	728	632	990			460	341	472	440	972	388	340	738	700	1240		
Vanadium (dissolved)	mg/L	Monthly	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
Zinc (dissolved)	mg/L	Monthly	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			0.012	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	0.008			0.012	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		

Table 17: 2026 EPL 13007 Surface Water Data (YTD)

Report creation date: 11 November 2026

NR = Not Required, ND = No Data

2026 Surface Water Pollution Monitoring Data (PED)			SW_Wangcol G | EPA ID No.: 25												Coxs River Upstream WX9 | EPA ID No.: 27												Wangcol Creek Weir (LMP01) | EPA ID No.: 28											
Variable	Unit	Frequency	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Aluminium (dissolved)	mg/L	Monthly	<0.005	0.033	0.007	<0.005	<0.005	0.016	0.02	<0.005	<0.005	<0.005			0.01	0.047	0.031	0.017	0.015	0.013	0.052	0.013	0.025	0.021			0.016	0.016	0.02	0.005	0.006	0.023	0.093	<0.005	0.019	0.021		
Ammonia	mg/L	Monthly	0.04	0.02	0.02	<0.01	<0.01	0.02	0.01	0.02	0.02	0.02			0.04	0.04	0.04	0.03	0.02	0.03	0.02	0.02	0.04	0.01			0.01	<0.01	0.04	0.02	0.02	0.04	0.05	0.07	0.03	0.07		
Antimony (dissolved)	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Arsenic (dissolved)	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Arsenic (III)	mg/L	6-monthly	<0.0010						<0.0010						<0.0010						<0.0010						<0.0010						<0.0010					
Arsenic (V)	mg/L	6-monthly	<0.0010						<0.0010						<0.0010						<0.0010						<0.0010						<0.0010					
Barium (dissolved)	mg/L	Monthly	0.021	0.01	0.01	0.013	0.021	0.011	0.009	0.021	0.018	0.034			0.027	0.02	0.02	0.021	0.021	0.024	0.017	0.021	0.015	0.017			0.016	0.016	0.016	0.021	0.024	0.017	0.013	0.022	0.021	0.02		
Beryllium (dissolved)	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Bicarbonate alkalinity	mg/L	Monthly	59	57	100	105	123	88	81	93	94	127			118	192	163	169	167	138	144	165	185	166			76	113	113	111	145	98	55	104	108	99		
Boron (dissolved)	mg/L	Monthly	0.27	0.11	0.13	0.13	0.24	0.08	0.08	0.24	0.22	0.38			0.31	0.07	0.09	0.09	0.15	0.16	0.22	0.13	0.1	0.16			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		
Cadmium (dissolved)	mg/L	Monthly	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		
Calcium	mg/L	Monthly	64.4	25	31.1	30.9	57.2	28.6	21.1	46	44.3	81.2			70.3	18	24.6	28.8	31.8	37.2	30.3	28.5	15.7	32.3			25.8	26.6	21.1	22.9	30.6	21.4	13.7	26.2	24.3	22.8		
Chloride (dissolved)	mg/L	Monthly	54.6	29.6	39.1	38.4	90.8	36.7	26.8	79.5	65.1	120			76.7	14	24.2	28.9	31.3	35.1	28.5	27.1	15.9	27.9			5.68	9.45	8.13	11.1	18.2	9.64	6.03	11.7	9.12	8		
Chromium (dissolved)	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Chromium (hexavalent)	mg/L	6-monthly	<0.001						<0.001						<0.001						<0.001						<0.001						<0.001					
Chromium (trivalent)	mg/L	6-monthly	<0.001						<0.001						<0.001						<0.001						<0.001						<0.001					
Cobalt (dissolved)	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Copper (dissolved)	mg/L	Monthly	<0.001	0.002	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.002	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			0.002	<0.001	0.002	<0.001	<0.001	0.002	0.003	<0.001	0.001	0.003		
Cyanide (total)	mg/L	Monthly	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
Dissolved organic carbon	mg/L	Monthly	4	5	4	4	5	6	4	4	3	4			9	5	5	5	3	4	9	8	10	4			10	3	7	8	4	5	4	2	4	7		
Electrical conductivity	µS/cm	Monthly	1274	536	713	729	1420	673	519	1226	1100	1862			1441	650	708	792	818	823	756	679	364	809			346	410	352	443	548	374	208	471	376	343		
Fluoride Hardness (as calcium carbonate)	mg/L	Monthly	0.081	0.248	0.152	0.223	0.129	0.175	0.168	0.128	0.144	0.161			0.178	0.255	0.304	0.414	0.313	0.273	0.268	0.298	0.38	0.231			0.173	0.413	0.275	0.183	0.221	0.233	0.141	0.174	0.186	0.204		
Iron	mg/L	Monthly	0.19	1.12	0.27	0.16	0.29	0.78	0.37	0.12	0.13	0.15			0.38	0.5	0.55	0.51	0.46	0.44	0.41	0.37	0.42	0.29			2.43	0.69	0.51	0.19	0.22	0.59	1.21	0.14	0.31	1.8		
Lead (dissolved)	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Magnesium (dissolved)	mg/L	Monthly	43	17.3	22	21.7	45.5	19.9	16.6	39.9	34.4	64.6			47.8	10.4	14.9	17.9	19.7	22	20.1	17.2	9.67	18.3			10.2	11.1	9.35	13.6	19.8	10.7	6.23	16.1	13.3	11		
Manganese (dissolved)	mg/L	Monthly	0.326	0.205	0.207	0.41	0.419	0.205	0.088	0.189	0.098	0.143			0.265	0.051	0.099	0.06	0.079	0.108	0.086	0.082	0.037	0.048			0.063	0.066	0.076	<0.001	0.091	0.031	0.035	0.04	0.032	0.025		
Mercury (dissolved)	mg/L	Monthly	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004			<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004			<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004		
Molybdenum (dissolved)	mg/L	Monthly	<0.001	<0.001	0.002	0.002	0.001	0.001	<0.001	<0.001	0.001	<0.001			<0.001	0.006	0.004	0.003	0.003	0.003	0.004	0.004	0.005	0.005			0.008	0.009	0.005	0.006	0.008	0.006	0.003	0.007	0.01	0.007		
Nickel (dissolved)	mg/L	Monthly	0.064	0.023	0.038	0.041	0.09	0.033	0.022	0.077	0.075	0.148			0.059	0.008	0.015	0.021	0.025	0.027	0.021	0.017	0.006	0.022			0.004	0.003	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003		
Nitrate	mg/L	Monthly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			0.01	0.02	0.21	0.06	0.03	0.08	0.02	0.04	0.01	<0.01			0.14	0.08	0.16	0.09	0.1	0.08	0.1	0.04	0.08	0.14		
Nitrate + nitrite (oxidised nitrogen)	mg/L	Monthly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			0.01	0.02	0.22	0.06	0.03	0.08	0.02	0.04	0.02	<0.01			0.15	0.09	0.16	0.09	0.1	0.08	0.1	0.04	0.08	0.16		
Nitrite	mg/L	Monthly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01			0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02		
pH	pH	Monthly	7.65	7.65	7.79	7.92	8.1	7.83	8.06	8.3	8.22	7.74			7.47	8	7.76	8.18	8.2	8.05	8.09	8.22	8.15	8.06			7.87	7.97	8.01	7.86	7.93	7.96	7.89	8	8.14	8.04		
Phosphorus (dissolved reactive)	mg/L	Monthly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Phosphorus (total)	mg/L	Monthly	<0.01	0.04	0.03	<0.01	0.03	0.02	<0.01	0.02	0.02	<0.01			0.04	0.05	<0.01	0.01	0.01	<0.01	<0.01	0.02	0.03	0.02			0.06	0.04	0.05	0.05	0.06	0.03	0.04	0.02	0.04	0.05		
Potassium	mg/L	Monthly	13.7	7.82	8.69	8.75	18.5	10.3	6.44	13.3	12.2	21.4			19.7	7.36	10	11.3	11.6	12.5	9.8	8.44	6.87	11.2			5.16	6.17	4.62	5.69	9.66	6.47	4.39	6.19	5.62	5.88		
Selenium (dissolved)	mg/L	Monthly	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			0.0006	0.0011	0.0005	0.0006	0.0003	0.0005	0.0004	0.0006	0.001	0.0009		
Silver (dissolved)	mg/L	Monthly	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		
Sodium	mg/L	Monthly	145	56.9	79.8	80.3	172	75.9	52.1	118	114	226			153	96.9	92.7	104	107	102	91.2	78.5	88.3	105			27.3	47.6	36.7	38.9	55	44.6	17.3	45.3	35.6	34.1		
Sulfate (dissolved)	mg/L	Monthly	356	188	191	171	440	179	134	425	331	614			491	70.7	146	220	212	217	188	166	81.5	192			71.5	67.3	55	88.5	111	67.1	42.7	98	63.7	57.7		
Total dissolved solids	mg/L	Monthly	876	364	450	432	968	423	320	784	708	1220			1050	378	482	495	542	528	478	432	334	522			214	276	254	280	319	242	143	254	232	243		
Vanadium (dissolved)	mg/L	Monthly	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002	0.0005	0.0005	0.0003	0.0003	<0.0002	<0.0002	<0.0002	0.0002	0.0002			0.0003	0.0003	0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	0.0005	0.0003		
Zinc (dissolved)	mg/L	Monthly	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			0.009	<0.005	0.005	<0.005	<0.005	0.007	<0.005	0.006	<0.005	0.008			<0.005	0.005	<0.005	<0.005	<0.005	0.007	0.009	<0.005	0.009	0.011		

Table 18: 2026 EPL 13007 Surface Water Data (YTD Continued)

Report creation date: 11 November 2026

NR = Not Required, ND = No Data

2026 Surface Water Pollution Monitoring Data (PED)			Wangcol Creek NC01 | EPA ID No.: 29											
Variable	Unit	Frequency	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Aluminium (dissolved)	mg/L	Monthly	ND	ND	0.026	0.005	0.008	0.091	0.05	<0.005	0.007	0.007		
Ammonia	mg/L	Monthly	ND	ND	0.05	0.01	<0.01	0.07	0.02	<0.01	0.01	0.03		
Antimony (dissolved)	mg/L	Monthly	ND	ND	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Arsenic (dissolved)	mg/L	Monthly	ND	ND	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Arsenic (III)	mg/L	6-monthly			<0.0010				<0.0010					
Arsenic (V)	mg/L	6-monthly			<0.0010				<0.0010					
Barium (dissolved)	mg/L	Monthly	ND	ND	0.014	0.018	0.022	0.011	0.012	0.017	0.017	0.023		
Beryllium (dissolved)	mg/L	Monthly	ND	ND	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Bicarbonate alkalinity	mg/L	Monthly	ND	ND	88	101	126	88	72	107	101	137		
Boron (dissolved)	mg/L	Monthly	ND	ND	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	0.08	<0.05		
Cadmium (dissolved)	mg/L	Monthly	ND	ND	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		
Calcium	mg/L	Monthly	ND	ND	17.6	21.8	29.1	18.7	14.8	21.3	20.3	27.6		
Chloride (dissolved)	mg/L	Monthly	ND	ND	5.86	10.8	18.2	10.8	11.4	13.7	9.2	9.1		
Chromium (dissolved)	mg/L	Monthly	ND	ND	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Chromium (hexavalent)	mg/L	6-monthly			<0.001				<0.005					
Chromium (trivalent)	mg/L	6-monthly			<0.001				<0.005					
Cobalt (dissolved)	mg/L	Monthly	ND	ND	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Copper (dissolved)	mg/L	Monthly	ND	ND	0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.002		
Cyanide (total)	mg/L	Monthly	ND	ND	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
Dissolved organic carbon	mg/L	Monthly	ND	ND	6	4	10	9	7	3	3	3		
Electrical conductivity	µS/cm	Monthly	ND	ND	249	382	497	327	269	439	350	381		
Fluoride Hardness (as calcium carbonate)	mg/L	Monthly	ND	ND	0.174	0.31	0.234	0.202	0.105	0.122	0.171	0.206		
Iron	mg/L	Monthly	ND	ND	0.88	0.63	0.63	1.03	0.66	0.62	0.58	0.75		
Lead (dissolved)	mg/L	Monthly	ND	ND	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Magnesium (dissolved)	mg/L	Monthly	ND	ND	8.17	11.2	16.4	10.2	8.04	13.3	11.8	14.5		
Manganese (dissolved)	mg/L	Monthly	ND	ND	<0.001	0.178	0.298	0.02	0.134	0.156	0.134	0.255		
Mercury (dissolved)	mg/L	Monthly	ND	ND	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004		
Molybdenum (dissolved)	mg/L	Monthly	ND	ND	0.003	0.003	0.004	0.002	0.003	0.004	0.01	0.005		
Nickel (dissolved)	mg/L	Monthly	ND	ND	0.002	0.003	0.003	0.003	0.002	0.002	0.002	0.003		
Nitrate	mg/L	Monthly	ND	ND	<0.01	0.02	0.02	0.01	0.05	<0.01	<0.01	0.01		
Nitrate + nitrite (oxidised nitrogen)	mg/L	Monthly	ND	ND	<0.01	0.02	0.02	0.01	0.05	<0.01	<0.01	0.01		
Nitrite	mg/L	Monthly	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
pH	pH	Monthly	ND	ND	7.22	7.81	8.11	8.17	8.3	8.7	8.52	7.54		
Phosphorus (dissolved reactive)	mg/L	Monthly	ND	ND	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02		
Phosphorus (total)	mg/L	Monthly	ND	ND	0.02	<0.01	0.08	0.06	0.04	0.02	0.04	0.02		
Potassium	mg/L	Monthly	ND	ND	3.93	4.77	11.1	6.76	3.99	5.1	4.83	5.6		
Selenium (dissolved)	mg/L	Monthly	ND	ND	0.0003	0.0003	0.0003	0.0003	0.0007	0.0004	0.0003	<0.0002		
Silver (dissolved)	mg/L	Monthly	ND	ND	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		
Sodium	mg/L	Monthly	ND	ND	22	40.7	53.5	32.5	26.9	41.6	29.7	36.6		
Sulfate (dissolved)	mg/L	Monthly	ND	ND	31.1	66.2	103	51.9	42.2	92.6	55.9	57		
Total dissolved solids	mg/L	Monthly	ND	ND	150	226	350	212	165	247	200	227		
Vanadium (dissolved)	mg/L	Monthly	ND	ND	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002		
Zinc (dissolved)	mg/L	Monthly	ND	ND	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	<0.005	0.01		

Table 19: 2026 EPL 13007 Surface Water Data (YTD Continued)

ND (No data collected): NCO1 was dry at the time of the monitoring event and sampling could not be undertaken.

2025 Surface Water Pollution Monitoring Data (PED)			SW_Wangcol C | EPA ID No.: 22											SW_Wangcol E | EPA ID No.: 23										
Variable	Unit	Frequency	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alkalinity (as calciumcarbonate)	mg/L	Monthly	120	81	118	98	78	78	54	71	128	37	120	121	187	136	163	123	104	76	58	64	43	134	141	162
Aluminium	mg/L	Monthly	0.082	0.041	0.093	0.027	0.108	0.035	0.124	0.183	0.197	1.55	0.128	0.441	0.015	<0.005	0.012	<0.005	0.022	<0.005	0.049	<0.005	1.1	0.026	0.013	0.025
Ammonia	mg/L	Monthly	0.03	<0.01	0.02	0.02	0.02	<0.01	<0.01	<0.01	0.02	0.01	0.05	0.01	0.06	0.05	0.07	0.04	0.05	0.03	0.02	0.01	0.02	0.03	0.09	0.08
Antimony	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic	mg/L	Monthly	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	Monthly	0.025	0.022	0.051	0.032	0.028	0.02	0.016	0.019	0.032	0.021	0.025	0.039	0.04	0.038	0.046	0.044	0.044	0.027	0.022	0.016	0.017	0.036	0.043	0.055
Beryllium	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bicarbonate alkalinity	mg/L	Monthly	120	81	118	98	78	78	54	71	128	37	120	121	187	136	163	123	104	76	58	64	43	134	141	162
Boron	mg/L	Monthly	<0.05	<0.05	0.13	<0.05	0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	0.07	0.97	0.52	1.01	0.36	0.89	0.34	0.12	0.08	<0.05	0.3	0.7	1.94
Cadmium	mg/L	Monthly	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/L	Monthly	26.1	22	34.5	29.1	22.8	19.6	15.7	18.6	32.9	11.6	30.3	30.3	128	88.5	137	80.6	136	56.7	30.6	26.2	13.2	62.3	108	254
Chloride	mg/L	Monthly	6.36	12.4	17.3	16.1	17.7	15.2	12.5	16.1	11	6.73	10.8	7.68	273	156	231	136	292	115	49.9	43	10.3	81.8	222	591
Chromium	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cobalt	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.034	0.02	0.044	0.014	0.045	0.016	0.005	0.003	<0.001	0.011	0.03	0.085
Copper	mg/L	Monthly	<0.001	0.001	0.004	0.004	<0.001	<0.001	<0.001	0.001	0.003	0.004	0.002	0.007	0.001	<0.001	0.004	0.007	<0.001	<0.001	<0.001	<0.001	0.004	0.005	<0.001	0.002
Dissolved Oxygen	µS/cm	Monthly	3.8	4.2	2.6	5.2	6.9	13.2	12.2	10.9	5.8	27.7	2.8	4.6	5.6	7.2	5.1	9	6.4	13.4	15.9	14.1	13.3	8.6	2.2	4.8
Electrical Conductivity	mg/L	Monthly	390	363	588	424	380	350	299	351	515	150	462	468	3784	2270	3325	1874	5334	1611	829	658	155	1562	3051	6929
Iron	mg/L	Monthly	0.35	0.35	0.73	0.54	0.35	0.27	0.26	0.29	0.32	1.15	0.31	0.45	4.51	2.2	4.88	3.14	7.32	3.15	1.23	0.61	1.09	1.15	2.46	10.7
Lead	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
Magnesium	mg/L	Monthly	13.4	10.1	18	14.3	11.2	9.48	7.66	10.3	21.6	5.2	19	18.2	136	80	137	68.6	132	49	23.8	20	6.93	52.5	104	257
Manganese	mg/L	Monthly	0.6	0.328	1.08	0.504	0.3	0.19	0.121	0.111	0.23	0.05	0.268	0.528	4.38	2.79	6.3	2.9	5.6	1.76	0.717	0.412	0.083	1.13	3.14	7.75
Mercury	mg/L	Monthly	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
Molydenum	mg/L	Monthly	0.01	0.003	0.008	0.005	0.003	0.006	0.005	0.005	0.01	0.002	0.004	0.008	0.001	<0.001	0.005	<0.001	<0.001	0.004	0.002	0.001	<0.001	0.004	<0.001	0.001
Nickel	mg/L	Monthly	0.003	0.003	0.007	0.005	0.009	0.002	0.002	0.003	0.005	0.004	0.003	0.005	0.416	0.239	0.442	0.148	0.428	0.15	0.055	0.035	0.008	0.139	0.316	0.906
Nitrate	mg/L	Monthly	<0.01	<0.01	0.07	<0.01	<0.01	0.01	0.03	0.04	0.01	0.04	0.01	0.05	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	0.01	0.02	<0.01	0.04	<0.01	0.02
Nitrate + nitrite(oxidised nitrogen)	mg/L	Monthly	<0.01	<0.01	0.08	<0.01	<0.01	0.01	0.03	0.04	0.01	0.04	0.01	0.05	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	0.01	0.02	<0.01	0.04	<0.01	0.02
Nitrite	pH	Monthly	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH	mg/L	Monthly	7.47	7.2	7.19	7.28	7.19	8.17	7.48	7.64	7.72	7.64	7.51	7.67	6.94	7.1	6.54	7.13	6.36	7.96	7.14	7.43	7.6	7.46	6.92	6.63
Potassium	mg/L	Monthly	4.54	4.85	8.68	6.82	4.79	4.62	4.05	4.41	6.34	3.58	6.07	5.97	63.5	27.5	42.8	21.5	36.7	17.2	9.04	6.93	4.02	16.6	34.9	96.2
Selenium	mg/L	Monthly	0.0003	0.0004	0.0004	<0.0002	0.0003	0.0008	0.0009	0.0007	0.0004	0.0003	0.0003	0.0003	0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	0.0003	0.0002	0.0002	0.0002	<0.0002	0.0002
Silver	mg/L	Monthly	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	0.0008
Sodium	mg/L	Monthly	38.5	39.4	61.8	42.5	33.4	34.4	29.8	35.6	41.7	11.3	36.7	38.6	900	291	530	231	488	180	87.3	68.1	19.7	168	396	1050
Sulfate	mg/L	Monthly	24	25	49	32	25	25	21	25	37	9	30	38	627	315	513	234	503	177	81	63	15	167	393	1200
Sulfur	mg/L	Monthly	61.8	52.6	131	109	92	87.9	71.6	81.9	101	33	99.6	115	1400	756	1220	761	1690	643	272	214	52.9	464	1290	3470
Total Dissolved Solids	mg/L	Monthly	254	229	375	265	253	222	190	212	320	138	276	296	2760	1630	2690	1330	2830	1050	521	369	160	984	2210	5760
Vanadium	mg/L	Monthly	0.0003	0.0002	0.0004	<0.0002	0.0002	<0.0002	0.0002	0.0003	0.0007	0.0022	0.0004	0.0007	0.0005	0.0002	0.0004	<0.0002	0.0004	<0.0002	0.0003	<0.0002	0.0015	0.0003	0.0004	0.0007
Zinc	mg/L	Monthly	<0.005	<0.005	0.014	0.014	0.007	0.007	<0.005	0.018	0.014	0.023	0.007	0.018	0.032	<0.005	0.028	0.023	0.031	0.011	0.025	<0.005	0.015	0.021	0.024	0.066

Table 20: 2025 EPL 13007 Surface Water Data

2025 Surface Water Pollution Monitoring Data (PED)			SW_Wangcol F | EPA ID No.: 24												SW_Wangcol G | EPA ID No.: 25											
Variable	Unit	Frequency	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alkalinity (as calciumcarbonate)	mg/L	Monthly	148	102	166	129	100	78	51	58	50	121	130	150	147	120	164	123	93	79	56	62	48	120	134	151
Aluminium	mg/L	Monthly	0.032	0.016	0.019	0.008	0.007	0.012	0.054	0.042	1.24	0.047	0.016	0.043	0.027	0.017	0.017	0.008	<0.005	0.007	0.054	0.042	1.28	0.012	0.016	0.073
Ammonia	mg/L	Monthly	0.03	0.06	0.03	0.02	0.02	<0.01	<0.01	0.02	0.02	0.02	0.03	0.01	0.03	0.01	0.02	0.04	0.01	<0.01	0.01	<0.01	0.01	0.01	0.02	0.01
Antimony	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	Monthly	0.015	0.014	0.056	0.028	0.037	0.022	0.011	0.011	0.013	0.027	0.017	0.055	0.013	0.013	0.052	0.028	0.034	0.021	0.011	0.01	0.012	0.025	0.016	0.051
Beryllium	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bicarbonate alkalinity	mg/L	Monthly	148	102	166	129	100	78	51	58	50	121	130	150	147	120	164	123	93	79	56	62	48	120	134	151
Boron	mg/L	Monthly	0.21	0.15	0.61	0.3	0.34	0.25	0.07	0.1	<0.05	0.31	0.21	0.52	0.22	0.18	0.59	0.3	0.4	0.21	0.07	0.09	<0.05	0.25	0.23	0.63
Cadmium	mg/L	Monthly	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/L	Monthly	47.8	38.6	120	68.1	71.4	43.9	23.6	24.1	13.4	59.6	54.2	143	46.6	39.4	122	69.8	72	42.7	23.8	24	13.5	59.3	55.3	141
Chloride	mg/L	Monthly	62.3	60.2	183	125	170	88	31.7	38.2	10.9	75.2	74.1	280	66.1	45.9	188	100	156	85.5	31.3	37	10.8	74	72.5	324
Chromium	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001
Cobalt	mg/L	Monthly	<0.001	<0.001	0.002	0.002	<0.001	0.001	<0.001	<0.001	<0.001	0.001	0.002	0.001	<0.001	0.001	0.001	0.001	0.003	0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001
Copper	mg/L	Monthly	<0.001	<0.001	0.004	0.007	<0.001	<0.001	<0.001	<0.001	0.004	0.005	<0.001	0.006	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	0.001
Dissolved Oxygen	µS/cm	Monthly	7.6	11	7.6	10.4	9.8	15.6	13.5	12.8	10.3	7.7	2.1	8.3	7.5	9.3	7.4	9.6	10.1	14.3	14.2	15.7	11.8	8.3	4.3	7.2
Electrical Conductivity	mg/L	Monthly	1083	874	2770	1591	1826	1231	566	568	250	1384	1283	3197	1082	863	2796	1581	1813	1154	566	570	250	1389	1266	3209
Iron	mg/L	Monthly	0.28	0.21	0.36	0.36	0.27	0.16	0.27	0.28	1.14	0.22	0.11	0.74	0.25	0.23	0.22	0.35	0.11	0.12	0.27	0.28	1.16	0.11	0.11	0.36
Lead	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
Magnesium	mg/L	Monthly	37.8	28.8	107	56.5	59.8	35.9	16.9	17.7	7.62	47.3	44.7	124	37.8	29.1	109	57.4	60.3	35.2	17.1	17.6	7.81	47.2	45.2	123
Manganese	mg/L	Monthly	0.378	0.434	2.5	1.54	0.524	0.502	0.166	0.124	0.068	0.244	0.11	0.378	0.259	0.397	2.09	1.16	0.388	0.411	0.163	0.113	0.065	0.139	0.096	0.379
Mercury	mg/L	Monthly	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
Molydenum	mg/L	Monthly	0.004	0.001	0.003	0.002	0.004	0.001	0.001	<0.001	0.001	0.004	0.001	0.002	0.002	0.001	0.004	0.001	<0.001	0.003	0.001	<0.001	<0.001	0.007	<0.001	0.002
Nickel	mg/L	Monthly	0.066	0.048	0.237	0.104	0.137	0.078	0.027	0.027	0.01	0.094	0.071	0.255	0.066	0.05	0.232	0.104	0.152	0.073	0.026	0.026	0.01	0.102	0.072	0.256
Nitrate	mg/L	Monthly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01
Nitrate + nitrite(oxidised nitrogen)	mg/L	Monthly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01
Nitrite	pH	Monthly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH	mg/L	Monthly	7.81	7.3	7.64	7.7	7.6	8.7	7.51	7.69	7.56	7.73	7.86	7.74	7.79	7.6	7.72	7.71	7.56	8.22	7.5	7.85	7.65	8.01	7.89	7.82
Potassium	mg/L	Monthly	11.4	10.2	27.2	18.4	17.5	12.9	6.8	6.32	4.46	14.4	13.4	27.6	52	10.1	27.2	18.4	17.7	12.5	6.99	6.29	4.41	13.9	13.6	27.5
Selenium	mg/L	Monthly	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	0.0003	0.0002	0.0003	<0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	0.0003	0.0003	0.0002	<0.0002	<0.0002
Silver	mg/L	Monthly	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium	mg/L	Monthly	133	97	367	194	208	129	55.8	58.3	22.7	149	138	391	807	97.9	369	199	209	123	56.4	58	23	145	141	389
Sulfate	mg/L	Monthly	106	75	352	179	206	119	51	52	19	148	134	483	313	78	357	186	211	117	52	52	22	146	136	478
Sulfur	mg/L	Monthly	296	183	894	563	823	445	172	177	57.6	411	413	1460	310	190	915	487	769	408	166	186	60.5	412	408	1660
Total Dissolved Solids	mg/L	Monthly	819	562	2050	1050	1220	748	346	343	166	893	844	2410	808	538	2080	1030	1230	732	351	336	172	814	868	2440
Vanadium	mg/L	Monthly	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	0.0017	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0018	0.0002	<0.0002	0.0002
Zinc	mg/L	Monthly	0.008	<0.005	0.015	0.018	<0.005	0.006	0.009	<0.005	0.023	0.025	<0.005	0.04	<0.005	<0.005	<0.005	0.015	0.006	<0.005	0.008	<0.005	0.012	<0.005	<0.005	0.007

Table 21: 2025 EPL 13007 Surface Water Data (Continued)

2024 Surface Water Pollution Monitoring Data (PED)			SW_Wangcol C | EPA ID No.: 22												SW_Wangcol E | EPA ID No.: 23											
Variable	Unit	Frequency	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alkalinity (as calciumcarbonate)	mg/L	Monthly	80	90	109	83	85	87	82	65	98	72	63	81	114	127	183	105	98	74	78	77	90	139	142	123
Aluminium	mg/L	Monthly	0.2	0.62	0.28	0.05	0.17	0.179	0.134	0.296	0.028	0.703	0.362	0.16	0.04	0.04	<0.01	<0.01	0.02	0.03	0.019	0.018	<0.005	0.022	<0.005	0.028
Ammonia	mg/L	Monthly	0.02	0.01	0.01	0.01	0.02	<0.01	<0.01	0.02	0.03	0.02	0.02	<0.01	0.02	0.02	0.05	0.03	0.03	0.02	0.03	0.15	0.04	0.05	0.02	0.02
Antimony	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	Monthly	0.02	0.023	0.027	0.023	0.024	0.024	0.026	0.025	0.022	0.034	0.031	0.019	0.026	0.028	0.063	0.034	0.03	0.023	0.024	0.022	0.027	0.034	0.04	0.022
Beryllium	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bicarbonate alkalinity	mg/L	Monthly	80	90	109	83	85	87	82	65	98	72	63	81	114	127	183	105	98	74	78	77	90	139	142	123
Boron	mg/L	Monthly	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	0.11	0.1	<0.05	<0.05	<0.05	0.18	0.08	1.6	0.28	0.11	0.19	0.22	0.2	0.34	0.61	0.67	0.13
Cadmium	mg/L	Monthly	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/L	Monthly	16.8	21.4	23.6	20.5	21.9	22.4	22.4	18	30.2	14.1	12.1	20.2	40.3	36.6	302	50	34.8	39.2	44.7	36.5	58.2	89	92.2	33.4
Chloride	mg/L	Monthly	12.4	8.27	11.7	8.62	9.94	11.4	13.2	11.8	14.3	11.3	9.34	8.6	94.6	53.7	735	105	45.8	72.5	86	60.9	119	248	226	30.8
Chromium	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	0.006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cobalt	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.01	0.007	0.116	0.019	0.006	0.009	0.012	0.008	0.016	0.028	0.027	0.004
Copper	mg/L	Monthly	0.002	0.002	<0.001	<0.001	<0.001	0.001	0.001	0.002	0.012	0.003	0.002	0.002	0.001	<0.001	<0.001	<0.001	<0.001	0.007	0.002	<0.001	0.002	<0.001	<0.001	0.004
Dissolved Oxygen	µS/cm	Monthly	5.2	6.2	3.7	7.8	8.1	13.3	12.1	9.7	12.4	6.4	5.8	5.2	7.3	8	3.6	9.99	9.6	14.8	13.5	11	11.4	7.6	6.9	8.9
Electrical Conductivity	mg/L	Monthly	318	302	363	389	320	386	394	328	488	261	227	364	1150	870	7450	1780	820	1133	1303	1082	1825	2798	2997	717
Iron	mg/L	Monthly	0.62	0.86	0.57	0.38	0.44	0.58	0.42	0.4	0.35	0.67	0.78	0.39	2.17	1.86	12.2	3.06	1.36	1.68	1.82	1.32	2.29	3.09	2.12	1.05
Lead	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/L	Monthly	8.96	11.5	12.8	12.5	12.7	14.1	13.8	10.8	17.5	8.1	6.32	9.04	37.5	30.3	336	51.4	29.3	37.6	42.8	33.7	56.5	92.4	94.1	23
Manganese	mg/L	Monthly	0.246	0.206	0.56	0.168	0.187	0.222	0.138	0.099	0.181	0.279	0.284	0.206	1.95	1.93	13.8	2.64	1.34	1.16	1.32	0.935	1.66	3.05	3.7	1
Mercury	mg/L	Monthly	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
Molydenum	mg/L	Monthly	0.005	0.004	0.006	0.003	0.003	0.01	0.009	0.007	0.009	0.004	0.003	0.006	0.002	0.002	<0.001	0.001	<0.001	0.002	<0.001	0.002	0.001	<0.001	<0.001	0.004
Nickel	mg/L	Monthly	0.003	0.005	0.002	0.003	0.002	0.003	0.003	0.002	0.006	0.003	0.003	0.004	0.091	0.067	1.08	0.17	0.056	0.098	0.109	0.076	0.163	0.284	0.32	0.043
Nitrate	mg/L	Monthly	0.03	<0.01	0.06	0.01	0.01	0.02	0.16	<0.01	0.02	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.06	0.01	<0.01	0.01	<0.01	0.03
Nitrate + nitrite(oxidised nitrogen)	mg/L	Monthly	0.03	<0.01	0.06	0.01	0.01	0.02	0.16	0.01	0.02	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.06	0.01	<0.01	0.01	<0.01	0.03
Nitrite	pH	Monthly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH	mg/L	Monthly	7.46	7.66	7.09	8.07	7.65	7.75	7.14	8.4	7.7	7.03	6.95	7.57	7.26	7.49	6.31	7.15	7.4	7.6	6.91	7.94	7.41	6.66	6.78	7.57
Potassium	mg/L	Monthly	3.92	5.18	6.13	4.76	5.43	4.53	5.72	4.96	6.88	4.66	3.82	4.52	12.2	9.84	98.5	15.5	9.74	10.4	12.8	11.1	18.1	31.7	32.6	8.95
Selenium	mg/L	Monthly	0.0008	0.0003	0.0003	0.0004	<0.0002	<0.0002	0.0002	0.0003	0.0004	0.0002	<0.0002	0.0013	0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	0.0003
Silver	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001
Sodium	mg/L	Monthly	35.1	25.5	21.9	29.3	25.2	33.6	38	28.6	44.4	24.6	16.7	41.5	131	99	1070	175	85.7	116	139	111	200	356	350	82.7
Sulfate	mg/L	Monthly	19	16	32	26	21	29	36	23	39	14	8	24	111	77	1270	178	81	112	139	112	205	326	342	56
Sulfur	mg/L	Monthly	60.6	53.1	66.6	88	58.5	84.3	98.1	68	126	45.5	27.1	72.3	442	247	3760	523	223	366	461	323	675	1170	1200	168
Total Dissolved Solids	mg/L	Monthly	218	174	234	208	185	253	246	201	275	159	116	238	797	630	5980	1020	500	720	819	654	1170	2150	2100	422
Vanadium	mg/L	Monthly	<0.01	<0.01	<0.01	<0.01	<0.01	0.0003	0.0002	0.0004	0.0003	0.0009	0.0005	0.0004	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.0002	0.0002	0.0003	0.0002	<0.0002
Zinc	mg/L	Monthly	<0.005	0.011	0.006	0.009	0.008	0.008	0.01	0.009	0.027	0.014	0.015	0.015	0.01	0.013	0.037	0.01	0.007	0.021	0.019	0.007	0.015	0.024	0.026	0.022

Table 22: 2024 EPL 13007 Surface Water Data

2024 Surface Water Pollution Monitoring Data (PED)			SW_Wangcol F | EPA ID No.: 24												SW_Wangcol G | EPA ID No.: 25											
Variable	Unit	Frequency	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alkalinity (as calciumcarbonate)	mg/L	Monthly	87	108	149	82	92	65	74	74	86	99	118	102	84	109	149	83	94	79	74	74	88	114	118	98
Aluminium	mg/L	Monthly	0.18	0.09	0.02	<0.01	0.04	0.014	0.008	0.022	0.007	0.037	0.013	0.045	0.13	0.07	0.04	0.01	0.04	0.009	0.008	0.013	0.027	0.02	0.009	0.046
Ammonia	mg/L	Monthly	0.02	<0.01	0.02	<0.01	0.01	<0.01	<0.01	0.01	<0.01	0.02	0.02	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	0.02	0.02	<0.01	<0.01	<0.01
Antimony	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic	mg/L	Monthly	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001
Barium	mg/L	Monthly	0.008	0.011	0.021	0.015	0.015	0.025	0.02	0.015	0.033	0.03	0.015	0.008	0.007	0.012	0.021	0.016	0.015	0.024	0.022	0.014	0.032	0.03	0.017	0.007
Beryllium	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bicarbonate alkalinity	mg/L	Monthly	87	108	149	82	92	65	74	74	86	99	118	102	84	109	149	83	94	79	74	74	88	114	118	98
Boron	mg/L	Monthly	0.11	0.11	0.24	0.13	0.11	0.27	0.22	0.18	0.37	0.35	0.26	0.13	0.07	<0.05	0.22	0.14	0.1	0.24	0.2	0.19	0.34	0.38	0.25	0.12
Cadmium	mg/L	Monthly	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/L	Monthly	19.9	31.3	57	31.8	32.8	51	46.2	37.5	80	75	48.5	29.5	20	30.6	54.5	31.2	33	50.8	45.9	37.6	77.2	74.1	45.8	29
Chloride	mg/L	Monthly	22.9	41	95.5	51.3	45.3	103	65.6	68.3	149	161	101	31.9	24.3	41.6	91.7	51.8	41.8	105	71	65.7	133	162	102	28
Chromium	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cobalt	mg/L	Monthly	0.001	0.001	0.003	0.001	0.001	0.002	0.001	<0.001	0.001	0.001	0.001	<0.001	<0.001	0.001	0.003	0.001	<0.001	0.002	0.001	<0.001	0.001	<0.001	<0.001	<0.001
Copper	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	0.029	<0.001	0.002	<0.001	0.003	<0.001	0.006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.016	<0.001	<0.001	0.003
Dissolved Oxygen	µS/cm	Monthly	7.2	8.6	7.3	12.46	9.4	13.2	11.4	11.3	11.1	7.3	7.6	8	7.9	7.6	7.3	8.9	9.9	13.3	12.4	10.7	12.1	9.2	8	8.4
Electrical Conductivity	mg/L	Monthly	458	700	1300	940	770	1428	1177	1043	2096	2048	1369	628	458	700	1290	930	760	1434	1179	1020	2070	2039	1368	610
Iron	mg/L	Monthly	0.6	0.5	0.52	0.19	0.38	0.17	0.26	0.29	0.13	0.18	0.22	0.3	0.54	0.48	0.5	0.21	0.37	0.14	0.26	0.24	0.14	0.12	0.19	0.27
Lead	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
Magnesium	mg/L	Monthly	14.3	23.9	49.6	28.4	26.8	50.7	43.1	33.3	73.4	68.9	41	20.1	14.6	23.6	48.5	27.8	27	50.4	42.9	33.4	71.3	67.2	38.9	20
Manganese	mg/L	Monthly	0.467	0.874	1.49	0.694	0.426	0.465	0.313	0.121	0.246	0.219	0.27	0.258	0.426	0.813	1.47	0.716	0.417	0.449	0.301	0.094	0.229	0.181	0.201	0.208
Mercury	mg/L	Monthly	<0.00004	<0.00004	<0.00004	<0.00004	0.00008	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
Molydenum	mg/L	Monthly	0.004	0.003	0.013	0.002	0.001	<0.001	<0.001	<0.001	0.002	<0.001	0.001	0.005	0.002	0.002	0.002	0.001	<0.001	0.001	<0.001	0.001	0.005	<0.001	0.001	0.003
Nickel	mg/L	Monthly	0.02	0.043	0.098	0.055	0.04	0.101	0.08	0.059	0.159	0.147	0.086	0.031	0.02	0.043	0.099	0.06	0.039	0.104	0.079	0.058	0.157	0.145	0.087	0.031
Nitrate	mg/L	Monthly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	0.02	<0.01	<0.01	0.01
Nitrate + nitrite(oxidised nitrogen)	mg/L	Monthly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	0.02	<0.01	<0.01	0.01
Nitrite	pH	Monthly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH	mg/L	Monthly	7.69	7.87	7.39	8.18	7.57	7.76	7.29	8.16	7.97	6.86	7.51	7.37	7.62	8.21	7.52	7.78	7.71	7.76	7.36	7.64	7.89	7.52	7.59	8
Potassium	mg/L	Monthly	5.66	8.79	15.3	9.04	10	13.6	12.7	11.4	20.2	20.6	15	8.25	5.85	8.89	15.3	8.75	9.78	12.8	12.6	11	20.8	20.1	14.2	8.21
Selenium	mg/L	Monthly	0.0005	0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	0.0004	0.0003	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	0.0018	<0.0002	<0.0002	0.0003
Silver	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	0.0003	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sodium	mg/L	Monthly	48.2	77.8	126	88.3	76.7	153	133	110	246	236	139	64.2	48.6	77.4	123	86.1	76.9	150	132	107	244	229	132	62.8
Sulfate	mg/L	Monthly	33	56	143	82	73	151	127	110	251	230	125	45	34	56	138	84	72	151	128	116	244	220	120	55
Sulfur	mg/L	Monthly	104	182	417	251	207	510	327	337	796	765	473	146	107	184	396	252	199	507	344	334	733	763	481	143
Total Dissolved Solids	mg/L	Monthly	304	501	803	516	450	932	704	662	1360	1450	836	329	328	492	839	520	416	900	730	607	1390	1460	822	381
Vanadium	mg/L	Monthly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.0002	0.0019	<0.0002	<0.0002	<0.0002
Zinc	mg/L	Monthly	<0.005	<0.005	0.013	<0.005	0.008	0.01	<0.005	0.01	0.006	0.02	0.007	0.046	<0.005	<0.005	<0.005	<0.005	<0.005	0.009	0.006	<0.005	0.052	<0.005	<0.005	0.032

Table 23: 2024 EPL 13007 Surface Water Data (Continued)

2023 Surface Water Pollution Monitoring Data (PED)			SW_Wangcol C | EPA ID No.: 22											SW_Wangcol E | EPA ID No.: 23										
Variable	Unit	Frequency	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alkalinity (as calciumcarbonate)	mg/L	Monthly	39	36	56	43	42	58	56	57	66	85	107	86	77	92	112	87	77	63	54	62	64	119	94	141
Aluminium	mg/L	Monthly	0.25	0.3	0.21	0.44	0.06	0.07	0.14	0.24	0.21	0.32	0.32	0.49	0.02	0.03	0.02	0.02	<0.01	<0.01	<0.01	<0.01	0.01	0.02	0.02	0.05
Ammonia	mg/L	Monthly	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	0.01	<0.01	<0.01	0.04	0.03	0.03	0.02	<0.01	0.01	<0.01	0.08	0.14	0.05	0.04	0.03	0.09	0.06	0.06
Antimony	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	Monthly	0.026	0.025	0.029	0.024	0.018	0.025	0.025	0.029	0.024	0.025	0.031	0.027	0.026	0.026	0.036	0.032	0.03	0.037	0.041	0.042	0.035	0.047	0.052	0.046
Beryllium	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bicarbonate alkalinity	mg/L	Monthly	39	36	56	43	42	58	56	57	66	85	107	86	77	92	112	87	77	63	54	62	64	119	94	141
Boron	mg/L	Monthly	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	0.09	0.11	0.1	0.11	0.09	0.18	0.24	0.27	0.3	0.23	1.16	0.76	0.98
Cadmium	mg/L	Monthly	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/L	Monthly	9.69	8.23	15.2	11.7	10.5	20.9	19	18.3	20.1	21.8	25.7	15.7	38.7	38.9	38.6	31.2	43.6	54.3	58	64.5	50	176	131	132
Chloride	mg/L	Monthly	8.52	7.03	10.5	8.4	12.3	12.9	13.6	13.5	13.8	20.7	15.7	14.5	72.6	74.6	67.1	59.4	102	123	104	144	113	382	330	300
Chromium	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cobalt	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.008	0.007	0.006	0.006	0.012	0.014	0.017	0.02	0.014	0.065	0.039	0.04
Copper	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002	0.005	0.012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002	0.004	0.003
Dissolved Oxygen	µS/cm	Monthly	8	6.9	7.1	6.4	9.8	10.7	13.3	8.8	11.1	7.9	5.1	3.2	6.6	7.2	7.7	7.8	11.4	10.4	12.8	10.6	12	5.7	7.3	4
Electrical Conductivity	mg/L	Monthly	157	127	220	178	195	320	321	277	348	409	448	326	940	950	890	820	1290	1440	1600	1790	1530	4850	3650	4270
Iron	mg/L	Monthly	0.34	0.48	0.44	0.6	0.36	0.35	0.44	0.53	0.46	0.59	0.58	0.7	1.13	1.25	1.31	1.53	2.59	3.05	3.76	3.84	3.13	7.38	3.95	3.33
Lead	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/L	Monthly	6.8	5.14	9.91	6.67	6.32	13.4	11.5	10.6	11.6	12.1	13.9	7.85	36.3	34.7	33.8	27.5	42.5	51	55.8	64.7	49.6	201	143	152
Manganese	mg/L	Monthly	0.137	0.168	0.247	0.227	0.128	0.201	0.155	0.205	0.16	0.272	0.48	0.353	1.38	2.15	2.95	2.29	2.57	2.84	2.78	2.99	2.21	6.9	4.92	5.66
Mercury	mg/L	Monthly	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	0.00006	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
Molydenum	mg/L	Monthly	<0.001	<0.001	0.001	0.001	<0.001	0.001	0.009	0.017	0.021	0.009	0.009	0.011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.002
Nickel	mg/L	Monthly	0.001	0.001	0.002	0.002	0.001	0.002	0.001	0.002	0.002	0.003	0.005	0.004	0.071	0.079	0.062	0.059	0.102	0.123	0.149	0.177	0.128	0.609	0.432	0.451
Nitrate	mg/L	Monthly	<0.01	<0.01	<0.01	0.01	0.04	0.05	0.03	<0.01	0.02	0.02	<0.01	<0.01	0.02	<0.01	0.04	<0.01	<0.01	0.09	<0.01	<0.01	<0.01	0.02	<0.01	<0.01
Nitrate + nitrite(oxidised nitrogen)	mg/L	Monthly	<0.01	<0.01	<0.01	0.02	0.04	0.05	0.03	<0.01	0.02	0.02	<0.01	0.02	0.02	<0.01	0.04	0.01	<0.01	0.09	<0.01	<0.01	<0.01	0.02	<0.01	<0.01
Nitrite	pH	Monthly	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH	mg/L	Monthly	7.6	7.01	7.19	7.21	7.55	7.46	7.96	7.56	8.04	7.29	7.31	7.41	7.07	7.03	7.14	7.12	7	6.96	7.47	7.24	7.65	6.54	6.78	6.72
Potassium	mg/L	Monthly	2.6	2.34	3.74	3.03	2.83	4.2	4.5	4.9	5.18	7.66	7.31	4.68	8.35	8.28	7.87	7.35	10.8	12.8	14.4	18.6	13.9	61.5	44.2	43.6
Selenium	mg/L	Monthly	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	0.0002	0.0003	0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Silver	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	mg/L	Monthly	11.4	9.55	14	10.1	15.1	20.8	25.9	20.9	27	49.2	48.4	37.4	98.6	101	93.3	78.3	138	164	180	212	158	725	513	540
Sulfate	mg/L	Monthly	9	5	13	9	11	25	24	19	25	29	31	19	96	95	81	71	131	161	184	212	163	743	500	535
Sulfur	mg/L	Monthly	27.1	14.3	37.8	28.4	37.1	77.3	73.8	63.5	87.5	87.7	95.7	47.1	308	316	256	234	462	572	455	678	537	1820	1650	1460
Total Dissolved Solids	mg/L	Monthly	101	94	134	114	102	203	188	202	188	236	306	203	596	625	554	464	778	968	1020	1250	953	3690	2930	3020
Vanadium	mg/L	Monthly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	mg/L	Monthly	<0.005	<0.005	0.007	0.006	<0.005	<0.005	<0.005	0.006	0.012	0.055	0.017	0.01	0.006	0.008	0.008	<0.005	<0.005	0.011	0.012	0.014	0.016	0.044	0.046	0.029

Table 24: 2023 EPL 13007 Surface Water Data

2023 Surface Water Pollution Monitoring Data (PED)			SW_Wangcol F | EPA ID No.: 24												SW_Wangcol G | EPA ID No.: 25											
Variable	Unit	Frequency	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alkalinity (as calciumcarbonate)	mg/L	Monthly	72	86	113	77	68	64	63	55	57	78	92	107	73	89	113	75	68	63	76	55	53	84	94	108
Aluminium	mg/L	Monthly	0.01	0.02	0.15	0.02	<0.01	<0.01	<0.01	0.01	0.01	0.01	0.02	0.05	0.01	0.03	<0.01	0.03	<0.01	<0.01	<0.01	0.01	0.02	0.02	0.02	0.05
Ammonia	mg/L	Monthly	0.01	<0.01	0.02	<0.01	0.01	0.08	0.04	<0.01	0.02	0.04	0.05	0.15	0.02	<0.01	0.01	<0.01	0.12	0.22	0.02	<0.01	<0.01	<0.01	0.04	<0.01
Antimony	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium	mg/L	Monthly	0.021	0.021	0.038	0.014	0.016	0.034	0.034	0.017	0.015	0.025	0.028	0.01	0.021	0.021	0.032	0.014	0.016	0.034	0.033	0.018	0.015	0.023	0.028	0.01
Beryllium	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bicarbonate alkalinity	mg/L	Monthly	72	86	113	77	68	64	63	55	57	78	92	107	73	89	113	75	68	63	76	55	53	84	94	108
Boron	mg/L	Monthly	0.12	0.12	0.24	0.08	0.11	0.32	0.32	0.18	0.19	0.32	0.39	0.23	0.1	0.12	0.22	0.08	0.1	0.32	0.33	0.18	0.18	0.36	0.39	0.26
Cadmium	mg/L	Monthly	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/L	Monthly	42.7	44.6	66	28.5	33.4	76.9	79.2	47.7	47.8	79	93.8	31.7	42.2	45.7	66	30	33.8	76.3	78	47.1	45.7	78.6	94	35
Chloride	mg/L	Monthly	73.6	84.4	131	57.6	69.5	153	154	91.5	95.8	139	187	44.6	76.1	88.3	136	55.7	67.1	172	150	95.7	99.2	138	185	42.3
Chromium	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cobalt	mg/L	Monthly	<0.001	<0.001	0.002	<0.001	<0.001	0.001	0.002	0.001	0.001	<0.001	0.002	0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001
Copper	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	0.002	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.001	<0.001	<0.001
Dissolved Oxygen	µS/cm	Monthly	6.3	6.6	7.8	7.7	10.5	10.4	12.9	10.7	9.9	8.9	7	6.7	6.7	7.7	7.8	8.1	11.8	11.3	10.9	10.1	10.4	8.2	7.4	6.6
Electrical Conductivity	mg/L	Monthly	980	1060	1590	750	880	1930	1970	1170	1300	1910	2310	840	970	1060	1610	750	880	1930	1970	1770	1290	1910	2300	850
Iron	mg/L	Monthly	0.22	0.21	0.7	0.27	0.21	0.08	0.17	0.16	0.16	0.24	0.32	0.36	0.2	0.2	0.21	0.26	0.19	0.05	0.16	0.13	0.17	0.22	0.23	0.41
Lead	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/L	Monthly	38	38.6	62.7	24.4	29.4	72.3	74.6	42.6	44.1	72.4	85.2	26.8	37.6	39.4	62.2	25.7	29.7	71.4	73.4	41.7	42.4	72.1	85.9	29.7
Manganese	mg/L	Monthly	0.53	0.888	2.15	0.401	0.403	0.334	0.394	0.143	0.157	0.287	0.351	0.298	0.509	0.847	1.77	0.405	0.381	0.305	0.37	0.142	0.159	0.26	0.275	0.278
Mercury	mg/L	Monthly	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004	<0.00004
Molydenum	mg/L	Monthly	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.002
Nickel	mg/L	Monthly	0.061	0.072	0.119	0.044	0.05	0.136	0.152	0.073	0.074	0.133	0.175	0.047	0.059	0.072	0.117	0.042	0.05	0.134	0.153	0.073	0.073	0.133	0.177	0.047
Nitrate	mg/L	Monthly	0.02	<0.01	<0.01	0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.01	<0.01	0.01	0.03	0.04	0.03	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrate + nitrite(oxidised nitrogen)	mg/L	Monthly	0.02	<0.01	<0.01	0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.01	<0.01	0.01	0.03	0.04	0.03	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrite	pH	Monthly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH	mg/L	Monthly	7.56	7.39	7.43	7.48	7.4	7.39	7.46	7.47	7.61	7.44	7.56	7.52	7.54	7.44	7.49	7.52	7.4	7.39	7.98	7.68	8.14	7.5	7.53	7.93
Potassium	mg/L	Monthly	8.31	9.01	14	7.21	7.63	16.7	17.6	13	12.9	20.2	22.9	8.95	8.16	9.28	13.7	7.4	7.72	16.5	17.4	12.8	12.2	19.9	22.9	9.84
Selenium	mg/L	Monthly	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Silver	mg/L	Monthly	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	mg/L	Monthly	97.6	111	188	62.6	88.8	226	230	127	134	225	280	89.7	97.5	113	185	70.3	89.3	224	228	125	128	223	281	96.9
Sulfate	mg/L	Monthly	101	110	176	63	96	231	241	129	140	250	274	69	100	112	176	65	87	228	239	127	133	240	279	76
Sulfur	mg/L	Monthly	316	358	528	221	290	678	704	414	423	630	858	214	329	378	556	212	279	776	695	436	465	622	854	209
Total Dissolved Solids	mg/L	Monthly	590	692	1080	428	509	1400	1310	750	956	1160	1760	489	614	688	1100	397	486	1320	1330	758	808	1180	1730	526
Vanadium	mg/L	Monthly	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	mg/L	Monthly	<0.005	<0.005	0.022	<0.005	<0.005	0.006	0.006	0.009	0.018	0.013	0.02	0.009	<0.005	0.009	0.005	<0.005	<0.005	<0.005	<0.005	0.007	<0.005	0.006	0.005	<0.005

Table 25: 2023 EPL 13007 Surface Water Data (Continued)