River Park Study Area - Monitoring Location: RP1

Parameter	Unit	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021
Sampling Time	-	09:22	09:15	09:55	09:50	09:35	09:30	08:55	09:50	08:45	09:00	09:25	09:00
Weather	2	Sunny	Rain	Sunny	Cloudy	Overcast	Sunny	Sunny	Sunny	Sunny	Sunny	Cloudy	Sunny
Sampling Depth	cm	33	56	56	47	45	42	54	42	39	43	49	52
Sample: RP1-A													
рН	-	8.28	7.09	8.24	8.16	7.32	7	7.36	6.34	7.18	6.87	6.72	6.65
Salinity	ppt	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Temperature	°C	25.5	26.1	23.2	23.4	16.2	13.9	16.7	20.3	21.9	26.9	25.7	27.7
Turbidity	NTU	1.88	1.5	1.57	1.08	3.09	0.22	0.89	0.77	1.88	0.3	0.7	0.44
DO mg/L	mg/L	8.47	7.9	8.9	8.1	9.73	10.32	9.53	8.8	8.04	7.26	8.14	7.76
DO %	%	103.4	97.2	104.2	95.1	99	100	98	97.4	91.8	91	99.9	98.5
Suspended Solids	mg/L	0.6	2.4	0.5	0.8	< 0.5	<0.5	< 0.5	0.5	< 0.5	0.8	3.2	1.2
Ammonia as N	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	<0.01	< 0.01	< 0.01	0.01	0.01
Total Kjeldahl Nitrogen as N	mg/L	< 0.05	0.1	< 0.05	< 0.05	< 0.05	< 0.05	0.07	< 0.05	< 0.05	0.11	0.1	< 0.05
Total Phosphorus as P	mg/L	< 0.01	<0.01	< 0.01	< 0.01	< 0.01	<0.01	0.01	0.02	0.02	0.01	< 0.01	< 0.01
Escherichia coli	CFU/100mL	110	1000	26	24	28	2	4	61	72	36	29	17
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chemical Oxygen Demand	mg/L	<2	7	<2	<2	<2	<2	<2	<2	<2	4	6	2
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Sample: RP1-B													
pH	-	8.32	6.98	8.15	8.2	7.17	7.45	7.12	6.38	7.49	6.86	6.68	6.65
Salinity	ppt	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02
Temperature	°C	25.7	26.1	23.2	23.4	16.3	13.9	16.6	20.3	22	26.9	25.8	27.7
Turbidity	NTU	1.82	1.6	1.74	1.09	2.91	0.2	0.92	0.88	1.96	0.32	0.74	0.46
DO mg/L	mg/L	8.48	7.9	8.86	8.1	9.64	10.26	8.73	8.73	8.09	7.27	8.14	7.75
DO %	%	103.7	97.3	103.7	95.1	98.2	99.3	89.8	96.9	92.5	91	99.9	98.5
Suspended Solids	mg/L	0.8	2.2	<0.5	0.6	<0.5	<0.5	<0.5	1	<0.5	0.7	2.2	1.5
Ammonia as N	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Total Kjeldahl Nitrogen as N	mg/L	< 0.05	0.1	< 0.05	< 0.05	< 0.05	< 0.05	0.12	< 0.05	< 0.05	0.07	0.09	< 0.05
Total Phosphorus as P	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	0.02	0.02	0.01	< 0.01	< 0.01
Escherichia coli	CFU/100mL	100	1400	38	26	35	3	5	7	76	50	28	14
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chemical Oxygen Demand	mg/L	<2	5	<2	<2	<2	<2	<2	<2	<2	<2	6	2
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Summary	77. II	WQO*	Median^	Minimum	Maximum						257	- 382	
pH		6.0 - 9.0	7.15	6.34	8.32								
Salinity	ppt		0.02	0.02	0.03								
Temperature	°C	-	23.3	13.9	27.7								
T. L. L. L. L.	NITI		25.5	23.3	2.00								

Summary		wqo*	Median^	Minimum	Maximum
рН	555	6.0 - 9.0	7.15	6.34	8.32
Salinity	ppt	-	0.02	0.02	0.03
Temperature	°C	2	23.3	13.9	27.7
Turbidity	NTU	2	1.0	0.2	3.09
DO mg/L	mg/L	min. 4	8.31	7.26	10.32
DO %	%	-	98.1	89.8	104.2
Suspended Solids	mg/L	max. 25	0.6	<0.5	3.2
Ammonia as N	mg/L	2	0.01	< 0.01	0.03
Total Kjeldahl Nitrogen as N	mg/L	n.	0.05	< 0.05	0.12
Total Phosphorus as P	mg/L	-	0.01	< 0.01	0.02
Escherichia coli	CFU/100mL	4	31.50	2	1400
Biochemical Oxygen Demand	mg/L	max. 5	<1.0	<1.0	<1.0
Chemical Oxygen Demand	mg/L	max. 30	2	<2	7
Oil & Grease	mg/L	-	<2	<2	<2

[^]Summary data presented are in annual medians of monthly samples; except those for E. coli which are in annual geometric means (following EPD's Annual River Water Quality Report).

^{*}The WQO compliance for suspended solids is based on annual median value, while WQO compliance for other parameters is based on individual measurements.

River Park Study Area - Monitoring Location: RP2

Parameter	Unit	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021
Sampling Time	-	11:20	10:15	11:10	11:15	10:40	10:35	09:30	09:45	09:30	09:45	10:05	09:35
Weather	12	Cloudy	Rain	Overcast	Cloudy	Overcast	Sunny	Sunny	Sunny	Sunny	Sunny	Cloudy	Sunny
Sampling Depth	cm	38	42	46	32	35	23	32	32	32	26	36	31
Sample: RP2-A													
рН	-	7.96	6.7	7.52	8.29	7.19	7.04	7.25	6.33	6.9	6.59	6.28	6.08
Salinity	ppt	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.04	0.04
Temperature	°C	26.4	26.3	23.7	23.7	16.2	14.8	17.6	20.5	23.2	27.2	25.9	28.9
Turbidity	NTU	0.88	2.3	1.33	0.35	0.21	0.16	0.28	0.19	1.4	0.63	0.49	0.23
DO mg/L	mg/L	8.07	7.2	8.54	8.17	9.34	9.8	8.62	7.55	6.29	5.49	7.17	7.87
DO %	%	100.2	89.8	100.8	96.6	95	96.8	90.3	83.8	73.6	69.1	88.1	102.1
Suspended Solids	mg/L	1.1	2.6	<0.5	0.9	<0.5	< 0.5	< 0.5	1.2	1.3	0.6	1.4	1.9
Ammonia as N	mg/L	0.02	0.06	0.01	0.03	0.03	0.02	0.03	0.01	0.01	0.01	0.03	< 0.01
Total Kjeldahl Nitrogen as N	mg/L	0.1	0.23	0.11	0.11	0.07	0.07	0.11	0.08	0.19	0.22	0.26	0.14
Total Phosphorus as P	mg/L	0.02	0.04	0.03	0.03	0.02	0.04	0.05	0.06	0.07	0.07	0.02	0.04
Escherichia coli	CFU/100mL	270	1500	480	610	50	25	25	110	48	92	94	66
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	1	<1.0	<1.0	1	<1.0	<1.0
Chemical Oxygen Demand	mg/L	3	8	2	3	<2	<2	2	2	3	4	8	5
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Sample: RP2-B													
pH		7.93	6.67	7.52	8.2	7.06	6.97	6.93	6.35	6.81	6.59	6.23	6.08
Salinity	ppt	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.04	0.04
Temperature	°C	26.4	26.3	23.7	23.7	16.2	14.9	17.4	20.4	23.2	27.2	25.9	28.9
Turbidity	NTU	0.54	2.2	1.13	0.33	0.19	0.14	0.29	0.2	1.3	0.68	0.44	0.21
DO mg/L	mg/L	8.12	7.3	8.56	8.18	9.38	9.77	8.44	7.47	6.23	5.47	7.16	7.87
DO %	%	100.8	89.9	101.1	96.8	95.5	96.7	88.2	82.8	73	69.1	88.1	102.1
Suspended Solids	mg/L	1.1	2.8	0.6	0.7	<0.5	<0.5	0.9	1.5	1.9	0.6	1.2	1.5
Ammonia as N	mg/L	0.02	0.06	0.02	0.02	0.02	0.01	0.01	0.03	0.02	0.01	0.03	< 0.01
Total Kjeldahl Nitrogen as N	mg/L	0.1	0.25	0.1	0.11	0.07	0.08	0.13	0.09	0.18	0.22	0.14	0.17
Total Phosphorus as P	mg/L	0.02	0.04	0.03	0.03	0.02	0.04	0.05	0.06	0.07	0.07	0.02	0.04
Escherichia coli	CFU/100mL	350	2100	120	270	45	32	30	78	56	46	86	65
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	1	<1.0	<1.0
Chemical Oxygen Demand	mg/L	3	8	3	3	2	<2	<2	2	4	4	10	5
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Summary		WQO*	Median^	Minimum	Maximum	***		3,000	7-7-	6/20	2/26-	2.920	98.4
pH		6.0 - 9.0	6.92	6.08	8.29								
Salinity	ppt	-	0.04	0.03	0.05								
Temperature	°C	2	23.7	14.8	28.9								
T. L. L. L. L.	NTII		2.40	0.44	20.5								

Summary		wqo*	Median^	Minimum	Maximum
рН	555	6.0 - 9.0	6.92	6.08	8.29
Salinity	ppt	-	0.04	0.03	0.05
Temperature	°C	2	23.7	14.8	28.9
Turbidity	NTU	2	0.40	0.14	2.3
DO mg/L	mg/L	min. 4	7.97	5.47	9.80
DO %	%	-	92.65	69.1	102.1
Suspended Solids	mg/L	max. 25	1	<0.5	2.8
Ammonia as N	mg/L	2	0.02	< 0.01	0.06
Total Kjeldahl Nitrogen as N	mg/L	n.	0.11	0.07	0.26
Total Phosphorus as P	mg/L	-	0.04	0.02	0.07
Escherichia coli	CFU/100mL	4	111.25	25	2100
Biochemical Oxygen Demand	mg/L	max. 5	1.0	<1.0	1.4
Chemical Oxygen Demand	mg/L	max. 30	3	<2	10
Oil & Grease	mg/L	-	<2	<2	<2

[^]Summary data presented are in annual medians of monthly samples; except those for E. coli which are in annual geometric means (following EPD's Annual River Water Quality Report).

^{*}The WQO compliance for suspended solids is based on annual median value, while WQO compliance for other parameters is based on individual measurements.

River Park Study Area - Monitoring Location: RP3

Parameter	Unit	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021
Sampling Time	-	11:51	10:45	11:30	11:45	11:05	11:00	10:10	11:00	09:55	11:10	10:30	10:05
Weather	2	Sunny	Rain	Overcast	Cloudy	Overcast	Sunny	Sunny	Sunny	Sunny	Sunny	Cloudy	Sunny
Sampling Depth	cm	8	10	5	4	5	4	3	3	3	3	8	4
Sample: RP3-A													
рН		8.11	6.93	7.62	8.1	7.17	7	7.24	8.62	7.37	7.55	6.88	6.31
Salinity	ppt	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.06	0.05	0.04
Temperature	°C	26.8	26.4	24.7	24.2	16.5	16.2	18.1	23.7	25.1	30.2	26.3	29.6
Turbidity	NTU	0.56	4.1	0.12	0.55	3.21	0.08	0.39	1.7	0.75	1.28	0.64	0.48
DO mg/L	mg/L	8.19	7.9	8.56	8.53	9.98	10.29	10.05	10.48	9.13	8.38	8.08	8.21
DO %	%	103	97.8	102.3	101.6	102.3	104.7	106.5	123.7	110.7	111.3	100.2	107.8
Suspended Solids	mg/L	1.2	6.9	0.6	< 0.5	< 0.5	<0.5	0.6	1.3	2.5	4	1.3	2.4
Ammonia as N	mg/L	< 0.01	0.03	< 0.01	0.02	< 0.01	< 0.01	< 0.01	<0.01	< 0.01	< 0.01	0.03	< 0.01
Total Kjeldahl Nitrogen as N	mg/L	0.09	0.23	0.08	0.11	0.07	0.08	0.27	0.08	0.22	0.29	0.15	0.13
Total Phosphorus as P	mg/L	0.02	0.04	0.02	0.03	0.02	0.04	0.05	0.05	0.06	0.06	0.02	0.03
Escherichia coli	CFU/100mL	430	2400	180	150	44	27	12	53	110	59	96	46
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	<1.0
Chemical Oxygen Demand	mg/L	4	10	4	4	3	3	4	3	5	6	7	4
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Sample: RP3-B													
pH		8	6.88	7.62	8.1	7.13	6.97	7.09	8.68	7.53	7.52	6.85	6.31
Salinity	ppt	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.06	0.05	0.04
Temperature	°C	27.1	26.4	24.3	24.2	16.6	16.2	18.2	24.2	25.1	30.2	26.3	29.6
Turbidity	NTU	0.52	5.5	0.14	0.6	3.09	0.09	0.34	1.66	0.68	1.24	0.7	0.47
DO mg/L	mg/L	8.19	7.8	8.61	8.53	10.05	10.21	10.06	10.29	9.13	8.38	8.08	8.21
DO %	%	103	96.9	103	101.6	103.1	103.9	106.8	122.8	110.8	111.2	100.1	107.9
Suspended Solids	mg/L	1.1	7.2	0.6	<0.5	<0.5	<0.5	1.1	1.2	1.4	4.2	1.8	2.1
Ammonia as N	mg/L	< 0.01	0.06	< 0.01	0.02	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	0.04	< 0.01
Total Kjeldahl Nitrogen as N	mg/L	0.09	0.29	0.09	0.09	0.06	0.08	0.16	0.12	0.21	0.36	0.18	0.13
Total Phosphorus as P	mg/L	0.02	0.04	0.02	0.03	0.02	0.04	0.05	0.05	0.05	0.07	0.02	0.03
Escherichia coli	CFU/100mL	330	1700	160	89	36	19	10	190	100	45	89	32
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	1.5	<1.0	<1.0
Chemical Oxygen Demand	mg/L	4	11	2	3	3	2	3	2	5	8	8	3
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Summary		WQO*	Median^	Minimum	Maximum					10 To		30 5 0	
pH	-	6.0 - 9.0	7.31	6.31	8.68								
Salinity	ppt	-	0.04	0.03	0.06								
Temperature	°C		24.9	16.2	30.2								
Temperature	NITTI	-	24.3	0.00	50.2								

Summary		wqo*	Median^	Minimum	Maximum
pH	S-0	6.0 - 9.0	7.31	6.31	8.68
Salinity	ppt	-	0.04	0.03	0.06
Temperature	°C	20	24.9	16.2	30.2
Turbidity	NTU	2	0.62	0.08	5.5
DO mg/L	mg/L	min. 4	8.55	7.80	10.48
DO %	%	-	103.5	96.9	123.7
Suspended Solids	mg/L	max. 25	1.2	<0.5	7.2
Ammonia as N	mg/L	2	0.01	< 0.01	0.06
Total Kjeldahl Nitrogen as N	mg/L	n.	0.125	0.06	0.36
Total Phosphorus as P	mg/L	-	0.035	0.02	0.07
Escherichia coli	CFU/100mL	4	90.02	10	2400
Biochemical Oxygen Demand	mg/L	max. 5	1.0	<1.0	1.5
Chemical Oxygen Demand	mg/L	max. 30	4	2	11
Oil & Grease	mg/L	-	<2	<2	<2

[^]Summary data presented are in annual medians of monthly samples; except those for E. coli which are in annual geometric means (following EPD's Annual River Water Quality Report).

^{*}The WQO compliance for suspended solids is based on annual median value, while WQO compliance for other parameters is based on individual measurements.

River Park Study Area - Monitoring Location: RP4

Parameter	Unit	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021
Sampling Time	-	12:47	11:30	12:30	12:40	11:45	11:55	10:40	10:30	10:20	10:45	10:55	10:35
Weather	2	Cloudy	Rain	Cloudy	Cloudy	Overcast	Sunny	Sunny	Sunny	Sunny	Sunny	Cloudy	Sunny
Sampling Depth	cm	44	76	46	56	56	47	45	49	47	50	64	64
Sample: RP4-A													
pH		8.72	7.1	8.1	8.02	7.32	8.37	8.73	8.68	8.76	9.42	7.43	8.73
Salinity	ppt	0.05	0.03	0.08	0.15	0.24	0.37	0.05	0.04	0.05	0.06	0.47	0.05
Temperature	°C	29.2	26.8	26.5	25.5	17.5	20.7	20.3	24.2	28.3	32.3	27.8	34.9
Turbidity	NTU	1.43	29.1	2.1	0.59	0.89	0.7	1.45	1.66	5.25	0.97	0.6	11.84
DO mg/L	mg/L	8.35	7.8	8.61	8.69	10.4	10.85	11.51	10.29	11.07	11.58	9.27	10.73
DO %	%	108.9	97.9	107	106.2	108.9	121.1	127.5	122.7	143.7	159.5	118.4	154.2
Suspended Solids	mg/L	1.2	49.1	2.2	1.7	1.7	1.9	1.1	2	9.2	6.1	1.1	6.2
Ammonia as N	mg/L	0.04	0.08	0.04	0.02	0.06	0.05	0.06	0.22	0.04	0.04	0.01	< 0.01
Total Kjeldahl Nitrogen as N	mg/L	0.16	0.54	0.16	0.14	0.19	0.24	0.33	0.38	0.52	0.62	0.2	0.27
Total Phosphorus as P	mg/L	0.02	0.14	0.03	0.03	0.04	0.06	0.06	0.08	0.1	0.09	0.03	0.03
Escherichia coli	CFU/100mL	700	9400	960	380	310	260	390	240	520	210	94	74
Biochemical Oxygen Demand	mg/L	<1.0	1	1.4	<1.0	<1.0	2	1.5	1.4	2.1	2.4	<1.0	1.3
Chemical Oxygen Demand	mg/L	5	21	5	5	4	5	6	4	7	12	9	8
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Sample: RP4-B													
рН		8.58	7.05	8.08	8.01	7.32	8.29	8.84	8.62	8.76	9.42	7.46	8.76
Salinity	ppt	0.05	0.03	0.07	0.13	0.28	0.34	0.05	0.04	0.05	0.06	0.51	0.05
Temperature	°C	28.8	26.7	26.6	25.5	17.5	20.7	20.1	23.7	28.4	32.3	27.8	34.8
Turbidity	NTU	1.15	48.7	1.92	0.53	0.77	0.67	1.3	1.7	5.84	0.96	0.61	10.22
DO mg/L	mg/L	8.51	7.8	8.69	8.74	10.4	10.64	11.49	10.48	10.83	11.69	9.33	11.55
DO %	%	110.4	97.1	108.2	106.7	108.9	118.8	126.9	123.7	139.2	162.9	118.7	165.6
Suspended Solids	mg/L	1.4	48.7	2.4	1.3	2	2.5	1.2	3.1	20	6.7	1.4	6.9
Ammonia as N	mg/L	0.01	0.1	0.04	0.02	0.06	0.04	0.02	0.19	0.03	0.04	< 0.01	< 0.01
Total Kjeldahl Nitrogen as N	mg/L	0.11	0.55	0.13	0.12	0.18	0.25	0.24	0.38	0.75	0.68	0.2	0.42
Total Phosphorus as P	mg/L	0.02	0.14	0.03	0.03	0.04	0.06	0.05	0.09	0.13	0.1	0.03	0.04
Escherichia coli	CFU/100mL	520	9000	1100	240	280	220	530	270	360	160	92	63
Biochemical Oxygen Demand	mg/L	<1.0	1.3	1.3	<1.0	<1.0	2.1	1.7	1.3	2.4	2.3	<1.0	1.4
Chemical Oxygen Demand	mg/L	4	24	4	4	4	6	4	5	9	13	10	10
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Summary		wqo*	Median^	Minimum	Maximum								
рН		6.0 - 9.0	8.48	7.05	9.42								
Salinity	ppt	-	0.06	0.03	0.51								
Temperature	°C	2	26.65	17.5	34.9								
Turbidity	NTU	2	1.37	0.53	48.7								

Summary		wqo*	Median^	Minimum	Maximum
рН	555	6.0 - 9.0	8.48	7.05	9.42
Salinity	ppt	-	0.06	0.03	0.51
Temperature	°C	2	26.65	17.5	34.9
Turbidity	NTU	2	1.37	0.53	48.7
DO mg/L	mg/L	min. 4	10.40	7.80	11.69
DO %	%	-	118.75	97.1	165.6
Suspended Solids	mg/L	max. 25	2.1	1.1	49.1
Ammonia as N	mg/L	2	0.04	< 0.01	0.22
Total Kjeldahl Nitrogen as N	mg/L	n.	0.245	0.11	0.75
Total Phosphorus as P	mg/L	-	0.045	0.02	0.14
Escherichia coli	CFU/100mL	4	372.22	63	9400
Biochemical Oxygen Demand	mg/L	max. 5	1.3	<1.0	2.4
Chemical Oxygen Demand	mg/L	max. 30	5.5	4	24
Oil & Grease	mg/L	-	<2	<2	<2

[^]Summary data presented are in annual medians of monthly samples; except those for E. coli which are in annual geometric means (following EPD's Annual River Water Quality Report).

^{*}The WQO compliance for suspended solids is based on annual median value, while WQO compliance for other parameters is based on individual measurements.

Other Public Works Study Area - Monitoring Location: PW1

Parameter	Unit	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	Jan 2021
Sampling Time	-	10:17	09:45	10:30	10:35	10:05	10:05
Weather	621	Fine	Rain	Sunny	Cloudy	Overcast	Sunny
Sampling Depth	cm	38	38	46	42	34	40
Sample: PW1-A							
рН		7.8	6.74	7.87	8.1	7.09	7.26
Salinity	ppt	0.02	0.02	0.02	0.02	0.02	0.03
Temperature	°C	26	26.2	23.4	23	16.2	14.1
Turbidity	NTU	3.5	4.36	0.48	0.31	0.61	1.1
DO mg/L	mg/L	8.24	7.52	8.62	8.65	9.27	9.15
DO %	%	101.5	93.1	101.3	100.8	94.2	88.9
Suspended Solids	mg/L	1.6	4.4	2.2	3.9	2.1	2.5
Ammonia as N	mg/L	0.03	0.1	0.12	0.1	0.15	0.2
Total Kjeldahl Nitrogen as N	mg/L	0.1	0.31	0.16	0.21	0.24	0.47
Total Phosphorus as P	mg/L	0.02	0.05	0.04	0.04	0.04	0.07
Escherichia coli	CFU/100mL	630	1400	360	1500	880	2400
Biochemical Oxygen Demand	mg/L	1.1	<1.0	1.2	<1.0	<1.0	3.1
Chemical Oxygen Demand	mg/L	4	8	3	4	3	4
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2
Sample: PW1-B							
pH		7.79	6.71	7.79	8.15	7.01	7.15
Salinity	ppt	0.02	0.02	0.02	0.02	0.02	0.03
Temperature	°C	26	26.2	23.4	23.1	16.2	14.1
Turbidity	NTU	1.22	2.92	0.47	0.36	0.71	0.98
DO mg/L	mg/L	8.21	7.53	8.62	8.65	9.28	9.2
DO %	%	101.2	93.1	106.4	100.8	94.4	89.4
Suspended Solids	mg/L	1.3	4.3	2.4	3.2	1.4	1.6
Ammonia as N	mg/L	0.05	0.12	0.12	0.09	0.13	0.2
Total Kjeldahl Nitrogen as N	mg/L	0.12	0.33	0.14	0.22	0.2	0.4
Total Phosphorus as P	mg/L	0.02	0.05	0.03	0.04	0.03	0.06
Escherichia coli	CFU/100mL	550	2400	980	900	670	2000
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	1.1	<1.0	<1.0	2.8
Chemical Oxygen Demand	mg/L	3	8	2	4	3	3
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2
Summary		WQO*	Median^	Minimum	Maximum		
pH	-	6.0 - 9.0	7.53	6.71	8.15		
Salinity	ppt	-	0.02	0.02	0.03		
Temperature	°C	-	23.25	14.1	26.2		
Turbidity	NTU		0.85	0.31	4.36		
DO mg/L	mg/L	min. 4	8.64	7.52	9.28		
DO %	%	-	97.6	88.9	106.4		
Suspended Solids	mg/L	max. 25	2.3	1.3	4.4		
Ammonia as N	mg/L	-	0.12	0.03	0.2		
Total Kjeldahl Nitrogen as N	mg/L		0.215	0.1	0.47		
Total Phosphorus as P	mg/L	-	0.04	0.02	0.07		
Escherichia coli	CFU/100mL	2	1038.27	360	2400		
Biochemical Oxygen Demand	mg/L	max. 5	1.0	<1.0	3.1		
Chemical Oxygen Demand	mg/L	max. 30	3.5	2	8		
Oil & Grease	mg/L		<2	<2	<2		

[^]Summary data presented are in annual medians of monthly samples; except those for E. coli which are in annual geometric means (following EPD's Annual River Water Quality Report).

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Other Public Works Study Area - Monitoring Location: PW2

Parameter	Unit	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	Jan 2021
Sampling Time	141	12:27	11:00	12:05	12:10	11:25	11:30
Weather	120	Fine	Rain	Overcast	Cloudy	Overcast	Sunny
Sampling Depth	cm	10	15	5	3	6	3
Sample: PW2-A							
рН		8.51	6.93	7.92	8.2	7.79	8.08
Salinity	ppt	0.03	0.04	0.03	0.03	0.03	0.03
Temperature	°C	27.6	26.8	25	24.7	17.1	19.4
Turbidity	NTU	0.77	34.27	0.45	0.43	0.29	0.4
DO mg/L	mg/L	8.54	7.45	8.83	9.01	10.8	10.66
DO %	%	108.4	93.2	106.4	108.4	111.9	115.9
Suspended Solids	mg/L	2.1	16.4	0.7	0.9	1.6	< 0.5
Ammonia as N	mg/L	< 0.01	0.06	< 0.01	< 0.01	0.18	0.02
Total Kjeldahl Nitrogen as N	mg/L	0.1	0.3	0.08	0.14	0.28	0.15
Total Phosphorus as P	mg/L	0.02	0.07	0.02	0.03	0.05	0.04
Escherichia coli	CFU/100mL	760	4500	420	260	740	170
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chemical Oxygen Demand	mg/L	4	16	2	5	4	<2
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2
Sample: PW2-B							
pH		8.46	6.91	7.93	8.21	7.88	8
Salinity	ppt	0.03	0.03	0.03	0.03	0.03	0.03
Temperature	°C	27.6	26.6	25.1	24.7	17.1	19.3
Turbidity	NTU	0.67	18.58	0.48	0.44	0.35	0.42
DO mg/L	mg/L	8.62	7.53	8.85	9	10.96	10.66
DO %	%	109.4	95.7	107.4	108.3	113.8	115.9
Suspended Solids	mg/L	2.2	15.9	0.8	0.6	1.3	<0.5
Ammonia as N	mg/L	< 0.01	0.05	< 0.01	< 0.01	0.11	0.04
Total Kjeldahl Nitrogen as N	mg/L	0.15	0.3	0.1	0.13	0.22	0.2
Total Phosphorus as P	mg/L	0.02	0.06	0.03	0.03	0.04	0.04
Escherichia coli	CFU/100mL	460	3300	280	180	710	160
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	1.8	<1.0	<1.0	<1.0
Chemical Oxygen Demand	mg/L	5	12	3	4	4	<2
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2
Summary		WQO*	Median^	Minimum	Maximum		
рН	-	6.0 - 9.0	7.97	6.91	8.51		
Salinity	ppt	-	0.03	0.03	0.04		
Temperature	°C	-	24.85	17.1	27.6		
Turbidity	NTU	2	0.45	0.29	34.27		
DO mg/L	mg/L	min. 4	8.93	7.45	10.96		
DO %	%	-	108.4	93.2	115.9		
Suspended Solids	mg/L	max. 25	1.1	<0.5	16.4		
Ammonia as N	mg/L		0.015	<0.01	0.18		
Total Kjeldahl Nitrogen as N	mg/L		0.15	0.08	0.3		
Total Phosphorus as P	mg/L	_	0.035	0.02	0.07		
Escherichia coli	CFU/100mL	2	521.90	160	4500		
Biochemical Oxygen Demand	mg/L	max. 5	1.0	<1.0	1.8		
Chemical Oxygen Demand	mg/L	max. 30	4	<2	16		
Oil & Grease		max. 50	<2	<2	<2		
Oii & Grease	mg/L		12	12	<2	-	

Votes:

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Other Public Works Study Area - Monitoring Location: PW3

Parameter	Unit	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	Jan 2021
Sampling Time	(4)	14:15	12:30	08:45	09:05	08:45	08:55
Weather	4	Light Rain	Cloudy	Sunny	Cloudy	Overcast	Sunny
Sampling Depth	cm	89	110	63	58	55	56
Sample: PW3-A							
pH		8.63	7.1	6.49	8.17	6.6	6.88
Salinity	ppt	8.77	0.34	5.09	23.92	10.08	11.11
Temperature	°C	28.1	26.4	24.1	24.6	16.4	15.4
Turbidity	NTU	1.81	175.15	1.35	6.88	0.77	0.75
DO mg/L	mg/L	6.93	7.36	7.46	7.69	7.3	8.12
DO %	%	93.1	91.6	91.5	104	79.1	87
Suspended Solids	mg/L	3.8	85.4	2.2	3.5	0.7	2.4
Ammonia as N	mg/L	0.04	0.09	0.01	0.03	0.03	0.01
Total Kjeldahl Nitrogen as N	mg/L	0.22	0.88	0.13	0.16	0.12	0.12
Total Phosphorus as P	mg/L	0.02	0.22	0.02	0.02	0.01	<0.01
Escherichia coli	CFU/100mL	380	230000	92	140	17	30
Biochemical Oxygen Demand	mg/L	<1.0	1.5	1.9	<1.0	<1.0	<1.0
Chemical Oxygen Demand	mg/L	79	37	43	54	28	71
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2
Sample: PW3-B							
pH		8.67	6.94	6.49	8.1	6.53	6.63
Salinity	ppt	8.77	0.3	6.15	25.67	8.14	10.46
Temperature	°C	28.1	26.4	24	25	16.7	15.9
Turbidity	NTU	3.15	139.47	1.16	7.06	0.65	0.79
DO mg/L	mg/L	7.03	7.46	7.3	8.19	7.08	8.02
DO %	%	94.4	92.7	89.8	114.6	76.7	86.2
Suspended Solids	mg/L	4.2	103	2.6	4.4	0.9	1.6
Ammonia as N	mg/L	0.04	0.08	0.01	0.03	0.04	0.02
Total Kjeldahl Nitrogen as N	mg/L	0.22	0.92	0.11	0.13	0.14	0.14
Total Phosphorus as P	mg/L	0.02	0.22	0.02	0.02	0.01	< 0.01
Escherichia coli	CFU/100mL	510	190000	68	76	21	34
Biochemical Oxygen Demand	mg/L	<1.0	1.7	1	<1.0	<1.0	<1.0
Chemical Oxygen Demand	mg/L	79	39	55	50	38	69
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2
Summary		WQO*	Median^	Minimum	Maximum		
pH	-	6.0 - 9.0	6.91	6.49	8.67		
Salinity	ppt	-	8.77	0.3	25.67		
Temperature	°C		24.35	15.4	28.1		
Turbidity	NTU	-	1.58	0.65	175.15		
DO mg/L	mg/L	min. 4	7.41	6.93	8.19		
DO %	%	-	91.55	76.7	114.6		
Suspended Solids	mg/L	max. 25	3.05	0.7	103		
Ammonia as N	mg/L	-	0.03	0.01	0.09		
Total Kjeldahl Nitrogen as N	mg/L	_	0.14	0.11	0.92		
Total Phosphorus as P	mg/L	-	0.02	<0.01	0.22		
Escherichia coli	CFU/100mL	_	277.14	17	230000		
Biochemical Oxygen Demand	mg/L	max. 5	1.0	<1.0	1.9		
Chemical Oxygen Demand	mg/L	max. 30	52	28	79		
Oil & Grease	mg/L	- Illax. 30	<2	<2	<2		
Oil & Glease	mg/L	(8)	<2	<2	<2		

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