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	1	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	ing/c	12	12	12	~~	12	~2	12	~2	~2	~2	12	~~
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		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 Mg/L	mg/L %		97.3	103.7		98.2	99.3		96.9	92.5	91	99.9	98.5
		103.7			95.1			89.8					
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		WQO*	Median^	Minimum	Maximum								
pH	9 7 0	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								
Turbidity	NTU	-	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	D .	0.05	< 0.05	0.12								
Total Phosphorus as P	mg/L	-	0.01	<0.01	0.02								
Escherichia coli	CFU/100mL	-	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								

Notes:

^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.

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	<mark>09:45</mark>	10:05	09:35
Weather	-	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	0												
рН	-	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	0.02	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	IIIB/L	WQO*	Median^	Minimum	Maximum	12	12	12	12	12	12	12	12
pH		6.0 - 9.0	6.92	6.08	8.29								
Salinity	ppt	0.0 - 5.0	0.04	0.03	0.05								
	°C	-	23.7	14.8	28.9								
Temperature		-	0.40										
Turbidity	NTU			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	-	0.02	< 0.01	0.06								
Total Kjeldahl Nitrogen as N	mg/L	2	0.11	0.07	0.26								
Total Phosphorus as P	mg/L	-	0.04	0.02	0.07								
Escherichia coli	CFU/100mL	-	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								

Notes:

^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.

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		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	ing/c	12	12	12	~2	12	~2	12	~2	~2	~2	12	~2
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		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 Mg/L	mg/L %		96.9	103		10.03	10.21			110.8			107.9
		103			101.6		<0.5	106.8	122.8		111.2	100.1	
Suspended Solids	mg/L	1.1	7.2	0.6	<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								
pH	5 . 55	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								
Turbidity	NTU	-	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	2	0.125	0.06	0.36								
Total Phosphorus as P	mg/L	-	0.035	0.02	0.07								
Escherichia coli	CFU/100mL	-	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								

Notes:

^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.

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	1	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													
рН		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	mg/ c	~2	~2	12	~2	~2	~2	~2	12	12	~2	~2	~2
pH		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	nat	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	ppt °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
and the set of the set	NTU				0.53	0.77		1.3	1.7		0.96		10.22
Turbidity		1.15	48.7	1.92			0.67			5.84		0.61 9.33	11.55
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		
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								
pH	5 . 5	6.0 - 9.0	8.48	7.05	9.42								
Salinity	ppt	-	0.06	0.03	0.51								
Temperature	°C	-	26.65	17.5	34.9								
Turbidity	NTU	-	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	ο.	0.245	0.11	0.75								
Total Phosphorus as P	mg/L	-	0.045	0.02	0.14								
Escherichia coli	CFU/100mL	-	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								

Notes:

^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	51 <u>2</u> 3	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	0,						
Hq		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	111B/ C	WQO*	Median^	Minimum	Maximum	12	12
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 Mg/L	%	-	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		
Ammonia as N Total Kieldahl Nitrogen as N	-	-	0.12	0.03	0.2		
, ,	mg/L	2					
Total Phosphorus as P	mg/L	-	0.04	0.02	0.07		
Escherichia coli	CFU/100mL	-	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		

Notes:

*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: PW2

Parameter	Unit	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	Jan 2021
Sampling Time	-	12:27	11:00	12:05	12:10	11:25	11:30
Weather	-	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	0						
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 Kieldahl 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	iiig/ L	WQO*	Median^	Minimum	Maximum	12	12
pH		6.0 - 9.0	7.97	6.91	8.51		
Salinity	ppt	0.0 5.0	0.03	0.03	0.04		
Temperature	°C		24.85	17.1	27.6		
Turbidity	NTU		0.45	0.29	34.27		
DO mg/L	mg/L	min. 4	8.93	7.45	10.96		
DO Mg/L DO %	%		108.4	93.2	115.9		
Suspended Solids	mg/L	- max. 25	1.1	<0.5	16.4		
and the second second second second		111aX. 23	0.015	<0.5	0.18		
Ammonia as N Total Kieldahl Nitrogan as N	mg/L	-					
Total Kjeldahl Nitrogen as N	mg/L	5	0.15	0.08	0.3		
Total Phosphorus as P	mg/L	-	0.035	0.02	0.07		
Escherichia coli	CFU/100mL		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	mg/L	-	<2	<2	<2		

Notes:

Asummary 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: PW3

Parameter	Unit	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	Jan 2021
Sampling Time	-	14:15	12:30	08:45	09:05	08:45	08:55
Weather	-	Light Rain	Cloudy	Sunny	Cloudy	Overcast	Sunny
Sampling Depth	cm	89	110	63	58	55	56
Sample: PW3-A							
рН		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			10 70				1.0 73 .0
рН		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	ilig/L	WQO*	Median^	Minimum	Maximum	< <u>2</u>	12
pH		6.0 - 9.0	6.91	6.49	8.67		
Salinity	ppt	0.0 - 5.0	8.77	0.43	25.67		
15 IS	°C	-	24.35	15.4	28.1		
Temperature Turbidity	NTU	-	1.58	0.65	175.15		
- Statistic Contractor		min 4	7.41		8.19		
DO mg/L	mg/L %	min. 4		6.93			
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	-	<2	<2	<2		

Notes:

^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.