

Supplementary Table S1 – Historical Data

Site	Chemical Oxygen Demand (COD) (mg/L)	Biochemical Oxygen Demand (BOD-5 Day) (mg/L)	Phosphorus (mg/L)	pH	Ammonia (as N) (mg/L)	Total Kjeldahl Nitrogen (as N) (mg/L)	Total Nitrogen (as N) (mg/L)	Sulphid e (as S) (mg/L)	Total Oxidised Sulphur (as S) (mg/L)	Sodium (mg/L)	Chloride (mg/L)	Iron (mg/L)	Seleni um (mg/L)	Ethanol (mg/L)	Oil & Grease (HEM) (mg/L)	Total Dissolved Solids (mg/L)	Temperature (° C)
1	1232 ±446.23	656.32 ±326.3	26.5 ±20.37	6.36 ±0.35	32.97 ±72.91	38.66 ±24.67	20.11 ±18.31	1 ±1.59	294 ±121.57	740 ±220.91	332 ±138.09	0.74 ±0.15	0.05 ±0	3.5 ±1.1	138.85 ±139.68	2578.95 ±732.26	32.26 ±1.3
2	7133.33 ±1457.17	2908.24 ±1469.13		8.71 ±1.14	2.86 ±2.36	71.85 ±33.05	73.42 ±34.12	0.4 ±0.33	75.5 ±26.16	609.33 ±362.43	59.5 ±13.44	1.07 ±0.66	0.04 ±0.02	1761.58 ±820.9		3019.35 ±1467.29	28.31 ±4.33
3	2700 ±1838.48	2520 ±1630.96		9.55 ±0.47	2.18 ±1.25	58.65 ±35.95	67.56 ±51.49	0.1 ±0	230 ±56.57	138 ±224.79	30 ±12.73	1.25 ±0.72	0.04 ±0.02	10.89 ±17.41	957.5 ±492.37	2419.57 ±1344.07	25.38 ±4.74
4	41 ±22.63	17.95 ±27.53		7.13 ±0.42	0.4 ±0.39	1.78 ±0.8	2.55 ±1.1	0.1 ±0	8.45 ±0.92	63.36 ±29.64	88 ±31.11	0.81 ±0.56	0.05 ±0	5* ±8.75	14.25 ±8.75	284.55 ±115.79	19.5 ±0.71
5	4150 ±1484.92	4140 ±1813.28		6.37 ±0.29	27.67 ±13.37	232 ±67.6		0.63 ±0.52		351.67 ±178.6		25 ±42.44	0.05 ±0		715.33 ±938.7	1933.33 ±378.59	26.83 ±3.42
7	3900* ±1154.7	10666.67 ±1154.7		7.19 ±0.2	90.33 ±52.73	366.67 ±115.04	595.33 ±269.32	0.1 ±0	1050 ±376.39	110000 ±10000	230000 ±52915.03	68.33 ±37.87	0.05 ±0		104.33 ±100.27	313333.33 ±15275.25	18.8 ±2.08
8	5600 ±916.52	3714 ±3201.82		7.52 ±0.54	0.96 ±1.53	4.8 ±2.83		0.24 ±0.3	48.7 ±42.82	410 ±235.16		1.64 ±0.71	0.03 ±0.03	15.17 ±17.48	623 ±400.36	3175 ±2593.09	16.3 ±1.96
9	2100.67 ±1106.87	1087.33 ±649.91		8.2 ±0.9	4.87 ±3.87	32.48 ±24.84	28.57 ±24.02	0.12 ±0.04	94.31 ±69.33	235.06 ±207.13	285.5 ±306.2	1.44 ±2.33	0.05 ±0	280 ±248.11	44.54 ±51.41	1311.22 ±864.19	30.6 ±3.66
10	2850 ±1202.08	1066.83 ±924		7.19 ±0.44	3.68 ±4.18	7.26 ±3.56		0.13 ±0.05	30.17 ±8.3					94.67 ±120.7	219.33 ±280.43	522.5 ±283.45	17.68 ±1.9
11	81.25 ±43.36	29 ±21.05	0.22*	7.81 ±0.76	1.25 ±0.66	7.23 ±3.64		0.11 ±0.03	41.75 ±38.91	247.89 ±78.32	16.25 ±5.68	0.45 ±0.18	0.04 ±0.02		18.25 ±11.27	818.33 ±246.08	26.07 ±3.17
12	450* ±242.19	359.4 ±242.19		6.57 ±0.38	75.2 ±26.54	95.44 ±35.98	97.06 ±37.49	0.14 ±0.05	223.8 ±91.69	99* ±91.69	150* ±91.69	6.5* ±91.69			10.25 ±9.22	741.92 ±156.83	26.15 ±1.63

historical data mean ± SD. * denotes no SD available due to single sample