

SSO WATER QUALITY ASSESSMENT

Date of overflow: 7/24/22-7/25/22

Sample collection date: 7/25/22

Sample collection time at

Site #1: 1702

Site #2: 1710

Site #3: 1643

	Overflow location Site 1	Upstream Site 2	Downstream Site 3
pH SU	7.5	8.06	7.4
Temperature C	30.8	30.8	31.2
DO ppm	7	8.65	6.3
Conductivity uS/cm	143.1	124.2	130.2
Turbidity NTU	18.7	13.6	4.12
Alkalinity mg/L	45	40	40
BOD mg/L	8.23	1.58	3.23
TSS mg/L	9.4	11.1	4.7
Ammonia mg/L	1.87	0.07	0.43
Total Phosphorus mg/L	0.42	0.1	0.11
Ortho-phosphate mg/L	0.7	0.11	0.12
Sulfate mg/L	24.5	20.7	17.8
TDS mg/L	89	63	67
Chloride mg/L	9.9	7.7	7.9
Nitrate/Nitrite mg/L	<0.5	<0.5	<0.5
TKN mg/L	4.2	0.78	1.2
Chlorophyll A mg/L	<0.005	<0.005	0.0053
Fecal Coliforms/100ml	11,250	7,063	4,333
E. Coli cfu/100ml	>2419.6	>2419.6	>2419.6