

1-hour TSP Monitoring Result for

Contract No. SPW 07/2020

Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

AM1 - Topfine Machinery (China) Co. Ltd.

Date	Weather Condition	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
			1st Measurement	2nd Measurement	3rd Measurement		
8-Apr-21	Fine	09:00	48	53	45	291	500
14-Apr-21	Fine	09:25	50	71	59		
20-Apr-21	Fine	09:00	36	27	26		
26-Apr-21	Fine	13:13	60	63	66		
30-Apr-21	Fine	09:41	39	42	35		
		Min	26				
		Max	71				
		Average	48				

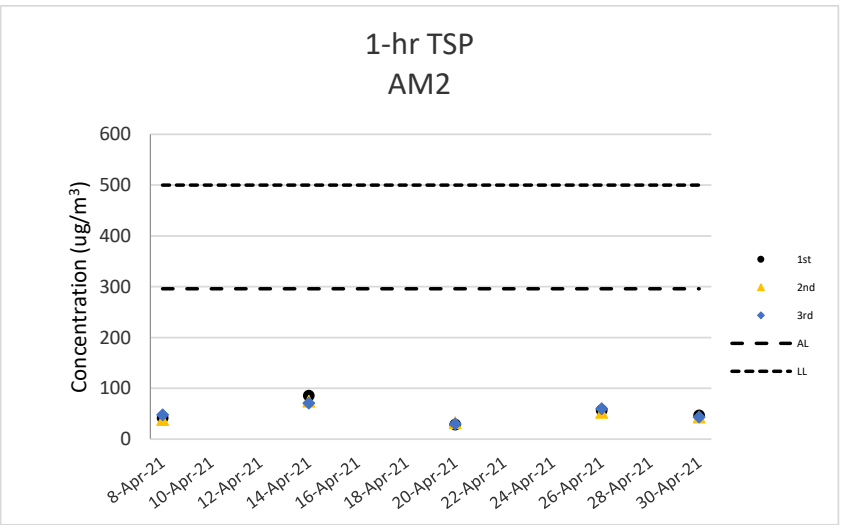
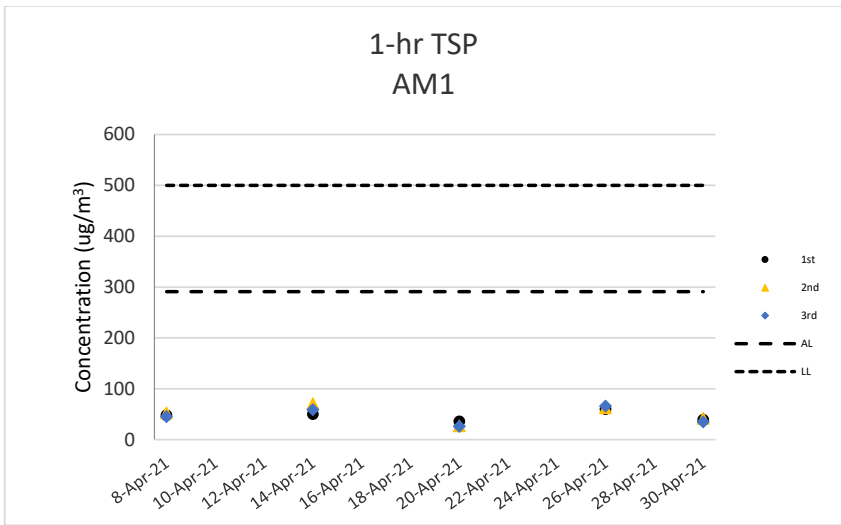
AM2 - Squatter house at the west of Yuen Long STW

Date	Weather Condition	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
			1st Measurement	2nd Measurement	3rd Measurement		
8-Apr-21	Fine	09:55	42	39	48	296	500
14-Apr-21	Fine	09:00	86	75	71		
20-Apr-21	Fine	09:30	29	33	30		
26-Apr-21	Fine	13:25	57	53	60		
30-Apr-21	Fine	09:55	47	44	44		
		Min	29				
		Max	86				
		Average	51				

Note:

Underline: Exceedance of Action Level

Underline and Bold: Exceedance of Limit Level



**Noise Impact Monitoring Result for
Contract No. SPW 07/2020
Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1**

CM1 - Squatter house to the north of YLSTW

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
8-Apr-21	15:18	46	50	41	0.1	Fine	75
14-Apr-21	15:31	65	69	47	0.7	Fine	75
20-Apr-21	11:08	57	61	50	0.0	Fine	75
26-Apr-21	10:56	59	61	56	0.2	Fine	75
	Max	65					
	Min	46					

CM2 - Squatter house to the west of YLSTW

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
8-Apr-21	14:22	65	70	60	0.1	Fine	75
14-Apr-21	14:27	60	63	51	0.8	Fine	75
20-Apr-21	10:14	63	65	57	0.0	Fine	75
26-Apr-21	09:07	54	56	50	0.2	Fine	75
	Max	65					
	Min	54					

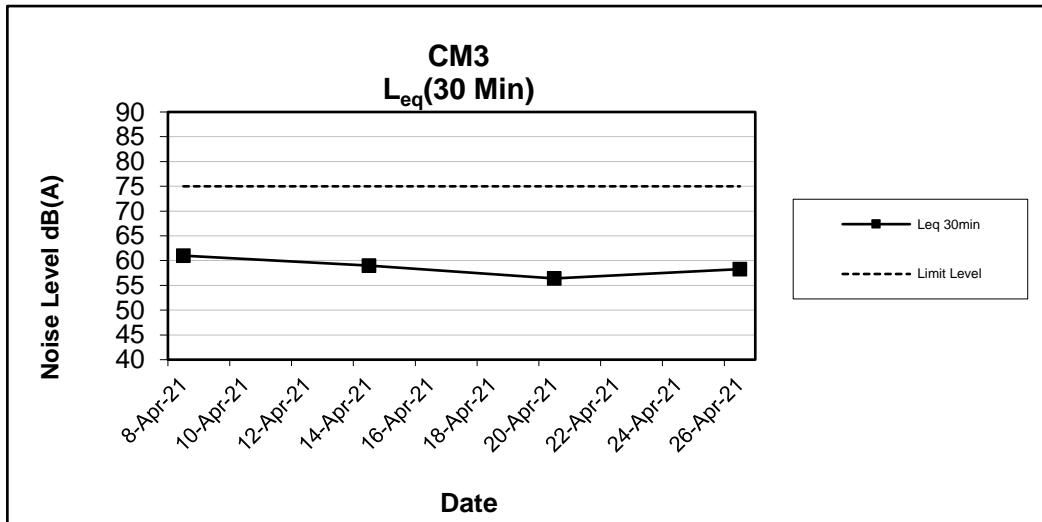
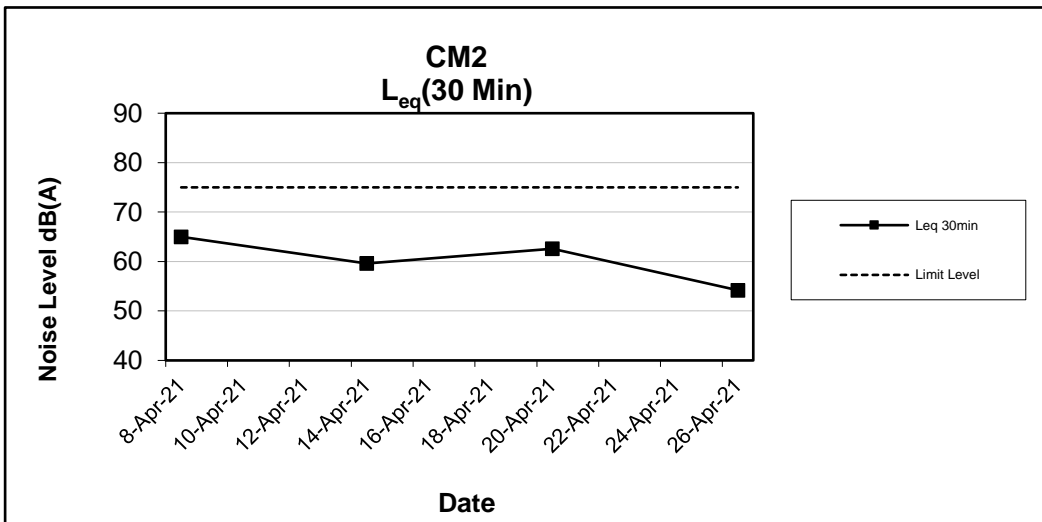
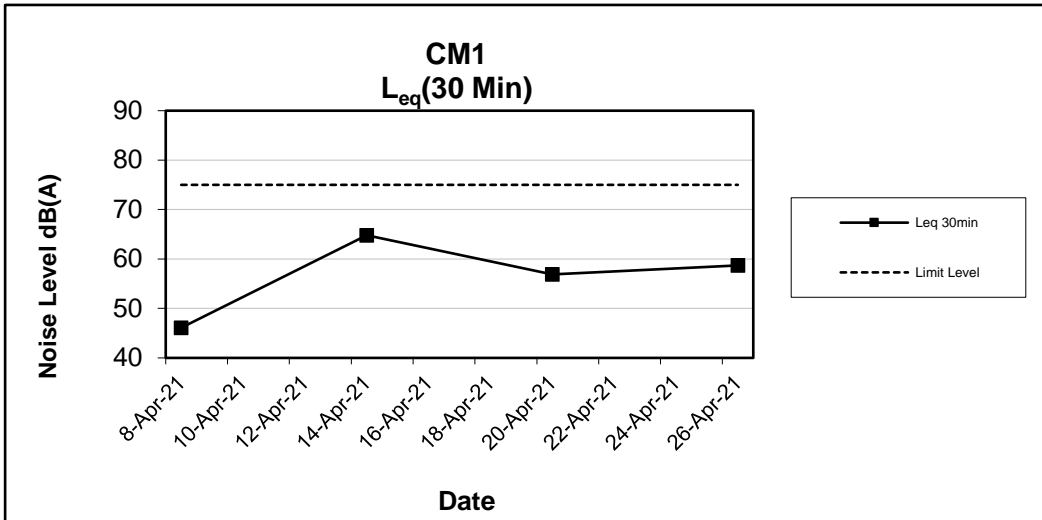
CM3 - Squatter house to the east of YLSTW

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
8-Apr-21	13:30	61	64	53	0.2	Fine	75
14-Apr-21	11:18	59	60	57	0.8	Fine	75
20-Apr-21	09:27	56	59	49	0.0	Fine	75
26-Apr-21	09:55	58	59	51	0.4	Fine	75
	Max	61					
	Min	56					

Note:

CM1, CM2 and CM3: Free-field measurement (+3dB(A) correction has been applied).

No raining or wind with speed over 5 m/s was observed during noise monitoring according to the onsite observation.



Contract No. SPW 07/2020 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	8/4/2021	Mid-Flood	Fine	Calm	06:41	1.6	M	0.8	1	0.054	50	7.16	7.16	9.78	9.78	24.73	24.73	53.7	53.7	4.21	4.21	28.0	27.8	45	46
M1	8/4/2021	Mid-Flood	Fine	Calm	06:41	1.6	M	0.8	2			7.16	7.16	9.78	9.78	24.73	24.73	53.6	53.7	4.20	4.21	27.6	27.8	47	46
M2	8/4/2021	Mid-Flood	Fine	Calm	07:03	1.3	M	0.65	1	0.121	309	7.21	7.21	9.70	9.70	24.92	24.92	41.4	41.4	3.25	3.26	30.7	30.6	38	35
M2	8/4/2021	Mid-Flood	Fine	Calm	07:03	1.3	M	0.65	2			7.21	7.21	9.70	9.70	24.92	24.92	41.4	41.4	3.27	3.26	30.5	30.6	31	35
M3	8/4/2021	Mid-Flood	Fine	Calm	07:05	0.4	M	0.2	1	0.023	82	7.31	7.31	9.68	9.69	24.42	24.41	58.5	58.8	4.63	4.66	14.1	14.2	13	14
M3	8/4/2021	Mid-Flood	Fine	Calm	07:05	0.4	M	0.2	2			7.31	7.31	9.69	9.69	24.39	24.41	59.1	58.8	4.68	4.66	14.2	14.2	14	14
M1	8/4/2021	Mid-Ebb	Fine	Calm	12:38	1.4	M	0.7	1	0.141	51	7.23	7.23	8.00	8.01	25.98	25.98	60.2	60.3	4.71	4.73	36.3	35.9	36	34
M1	8/4/2021	Mid-Ebb	Fine	Calm	12:38	1.4	M	0.7	2			7.23	7.23	8.01	8.01	25.97	25.98	60.4	60.3	4.74	4.73	35.4	35.9	31	34
M2	8/4/2021	Mid-Ebb	Fine	Calm	12:47	1.1	M	0.55	1	0.08	328	7.20	7.20	8.98	9.05	25.13	25.13	42.4	42.5	3.33	3.32	55.0	55.0	30	31
M2	8/4/2021	Mid-Ebb	Fine	Calm	12:47	1.1	M	0.55	2			7.20	7.20	9.11	9.05	25.12	25.13	42.5	42.5	3.30	3.32	54.9	55.0	31	31
M3	8/4/2021	Mid-Ebb	Fine	Calm	12:25	0.3	M	0.15	1	0.013	262	7.26	7.26	4.27	4.27	26.01	26.03	62.4	61.9	4.91	4.88	27.7	27.9	13	14
M3	8/4/2021	Mid-Ebb	Fine	Calm	12:25	0.3	M	0.15	2			7.26	7.26	4.27	4.27	26.05	26.03	61.3	61.9	4.85	4.88	28.0	27.9	15	14

Remark

1. Orange and Bold: Action Level Exceedance
2. Red and Bold: Limit Level Exceedance
3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day.
4. Limit Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.
5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.
6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1	2.25	1.91	49.7	53.8	59.0	68.0
M2	1.88	1.79	43.0	52.4	81.0	112.0
M3	3.28	3.14	74.3	78.0	104.0	167.0

Contract No. SPW 07/2020 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	10/4/2021	Mid-Flood	Fine	Calm	08:00	1.3	M	0.65	1	0.044	65	7.41	7.41	10.16	10.16	23.42	23.45	60.5	60.7	4.96	4.91	22.3	22.4	27	28
M1	10/4/2021	Mid-Flood	Fine	Calm	08:00	1.3	M	0.65	2			7.41	7.41	10.16	10.16	23.48	23.45	60.8	60.7	4.85	4.91	22.5	22.4	28	28
M2	10/4/2021	Mid-Flood	Fine	Calm	08:16	1.1	M	0.55	1	0.079	304	7.38	7.38	9.26	9.26	23.75	23.74	58.0	58.1	4.66	4.67	26.6	26.3	22	23
M2	10/4/2021	Mid-Flood	Fine	Calm	08:16	1.1	M	0.55	2			7.38	7.38	9.26	9.26	23.73	23.74	58.1	58.1	4.67	4.67	26.0	26.3	24	23
M3	10/4/2021	Mid-Flood	Fine	Calm	08:03	0.4	M	0.2	1	0.068	74	7.13	7.13	8.89	8.89	22.90	22.91	57.1	57.1	4.56	4.56	22.3	22.3	22	20
M3	10/4/2021	Mid-Flood	Fine	Calm	08:03	0.4	M	0.2	2			7.13	7.13	8.89	8.89	22.91	22.91	57.1	57.1	4.56	4.56	22.2	22.3	17	20
M1	10/4/2021	Mid-Ebb	Fine	Calm	13:36	1	M	0.5	1	0.093	299	7.31	7.31	7.03	6.96	24.60	24.62	47.1	47.0	3.71	3.70	31.9	31.4	19	20
M1	10/4/2021	Mid-Ebb	Fine	Calm	13:36	1	M	0.5	2			7.31	7.31	6.89	6.96	24.63	24.62	46.9	47.0	3.69	3.70	30.9	31.4	20	20
M2	10/4/2021	Mid-Ebb	Fine	Calm	13:45	1.2	M	0.6	1	0.033	64	7.31	7.31	7.40	7.40	24.52	24.55	52.8	52.7	4.17	4.16	30.8	30.7	20	20
M2	10/4/2021	Mid-Ebb	Fine	Calm	13:45	1.2	M	0.6	2			7.31	7.31	7.39	7.40	24.57	24.55	52.6	52.7	4.15	4.16	30.5	30.7	20	20
M3	10/4/2021	Mid-Ebb	Fine	Calm	13:55	0.3	M	0.15	1	0.134	253	7.18	7.18	5.51	5.51	25.43	25.42	55.5	55.5	4.41	4.40	21.6	21.6	14	14
M3	10/4/2021	Mid-Ebb	Fine	Calm	13:55	0.3	M	0.15	2			7.18	7.18	5.51	5.51	25.41	25.42	55.5	55.5	4.39	4.40	21.6	21.6	13	14

Remark

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Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1	2.25	1.91	48.4	50.4	59.0	68.0
M2	1.88	1.79	43.0	52.4	81.0	112.0
M3	3.28	3.14	74.3	78.0	104.0	167.0

Contract No. SPW 07/2020 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	13/4/2021	Mid-Flood	Fine	Smooth	08:26	1.8	M	0.9	1	0.177	307	7.49	7.49	12.81	12.80	25.69	25.70	66.9	67.1	5.07	5.08	19.8	19.9	16	15
M1	13/4/2021	Mid-Flood	Fine	Smooth	08:26	1.8	M	0.9	2			7.49	7.49	12.79	12.80	25.71	25.70	66.9	67.1	5.07	5.08	19.8	19.9	13	15
M2	13/4/2021	Mid-Flood	Fine	Smooth	08:42	1	M	0.5	1	0.109	324	7.51	7.51	10.25	10.25	26.06	26.06	72.9	73.0	5.58	5.58	23.9	24.0	58	55
M2	13/4/2021	Mid-Flood	Fine	Smooth	08:42	1	M	0.5	2			7.50	7.51	10.25	10.25	26.06	26.06	72.9	73.0	5.58	5.58	23.9	24.0	52	55
M3	13/4/2021	Mid-Flood	Fine	Calm	09:00	0.8	M	0.4	1	0.038	62	7.28	7.28	7.48	7.49	24.87	24.88	50.3	50.3	3.99	3.99	44.2	44.2	130	125
M3	13/4/2021	Mid-Flood	Fine	Calm	09:00	0.8	M	0.4	2			7.27	7.28	7.49	7.49	24.88	24.88	50.2	50.3	3.98	3.98	44.2	44.2	120	125
M1	13/4/2021	Mid-Ebb	Fine	Smooth	15:04	1.4	M	0.7	1	0.108	307	7.43	7.43	6.92	6.92	26.95	26.97	66.9	67.2	5.12	5.14	29.4	29.3	29	25
M1	13/4/2021	Mid-Ebb	Fine	Smooth	15:04	1.4	M	0.7	2			7.43	7.43	6.92	6.92	26.99	26.97	66.9	67.2	5.12	5.14	29.4	29.3	21	25
M2	13/4/2021	Mid-Ebb	Fine	Smooth	14:52	0.8	M	0.4	1	0.043	144	7.42	7.42	6.92	6.93	27.28	27.25	68.5	68.0	5.25	5.21	23.8	23.7	25	25
M2	13/4/2021	Mid-Ebb	Fine	Smooth	14:52	0.8	M	0.4	2			7.42	7.42	6.93	6.93	27.21	27.25	67.4	68.0	5.17	5.21	23.6	23.7	24	25
M3	13/4/2021	Mid-Ebb	Fine	Calm	15:00	0.5	M	0.25	1	0.018	139	7.28	7.29	7.26	7.25	27.31	27.36	84.6	84.7	6.58	6.50	27.5	27.6	19	19
M3	13/4/2021	Mid-Ebb	Fine	Calm	15:00	0.5	M	0.25	2			7.29	7.29	7.24	7.25	27.40	27.36	84.7	84.7	6.41	6.50	27.6	27.6	18	19

Remark

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Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1	2.25	1.91	48.4	50.4	59.0	68.0
M2	1.88	1.79	43.0	52.4	81.0	112.0
M3	3.28	3.14	74.3	78.0	104.0	167.0

Contract No. SPW 07/2020 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	15/4/2021	Mid-Flood	Fine	Smooth	09:05	2	M	1	1	0.221	333	7.78	7.78	14.78	14.78	24.67	24.66	78.5	78.6	6.00	6.01	20.2	20.4	15	13
M1	15/4/2021	Mid-Flood	Fine	Smooth	09:05	2	M	1	2			7.78	7.78	14.77	14.78	24.64	24.66	78.6	78.6	6.01	6.01	20.7	20.4	11	13
M2	15/4/2021	Mid-Flood	Fine	Smooth	09:19	1	M	0.5	1	0.166	59	7.74	7.74	12.51	12.49	25.09	25.09	77.6	77.5	5.96	5.96	18.8	18.9	20	21
M2	15/4/2021	Mid-Flood	Fine	Smooth	09:19	1	M	0.5	2			7.74	7.74	12.47	12.49	25.08	25.09	77.4	77.5	5.95	5.96	18.9	18.9	21	21
M3	15/4/2021	Mid-Flood	Fine	Calm	09:30	1.4	M	0.7	1	0.012	69	7.36	7.35	10.07	10.08	24.96	24.96	64.7	64.7	5.07	5.06	43.0	43.0	29	28
M3	15/4/2021	Mid-Flood	Fine	Calm	09:30	1.4	M	0.7	2			7.34	7.35	10.08	10.08	24.96	24.96	64.6	64.7	5.05	5.06	43.0	43.0	27	28
M1	15/4/2021	Mid-Ebb	Fine	Smooth	15:50	1.8	M	0.9	1	0.209	12	7.41	7.41	8.65	8.66	26.05	26.06	66.4	66.3	5.13	5.12	35.1	34.4	31	33
M1	15/4/2021	Mid-Ebb	Fine	Smooth	15:50	1.8	M	0.9	2			7.41	7.41	8.66	8.66	26.07	26.06	66.2	66.3	5.11	5.12	33.6	34.4	34	33
M2	15/4/2021	Mid-Ebb	Fine	Smooth	15:36	0.8	M	0.4	1	0.067	21	7.43	7.43	8.35	8.38	25.98	25.98	56.3	56.3	4.35	4.35	24.3	24.1	29	30
M2	15/4/2021	Mid-Ebb	Fine	Smooth	15:36	0.8	M	0.4	2			7.43	7.43	8.41	8.38	25.98	25.98	56.2	56.3	4.35	4.35	23.9	24.1	30	30
M3	15/4/2021	Mid-Ebb	Fine	Calm	15:30	0.6	M	0.3	1	0.018	165	6.80	6.81	4.83	4.84	25.46	25.47	55.5	55.5	4.44	4.43	45.5	45.5	32	30
M3	15/4/2021	Mid-Ebb	Fine	Calm	15:30	0.6	M	0.3	2			6.81	6.81	4.84	4.84	25.47	25.47	55.4	55.5	4.42	4.43	45.5	45.5	27	30

Remark

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Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1	2.25	1.91	48.4	50.4	59.0	68.0
M2	1.88	1.79	43.0	52.4	81.0	112.0
M3	3.28	3.14	74.3	78.0	104.0	167.0

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Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	17/4/2021	Mid-Flood	Fine	Moderate	09:49	2.1	M	1.05	1	0.058	308	7.44	7.44	12.39	12.37	24.42	24.42	58.8	58.8	4.57	4.58	33.9	33.7	43	42
M1	17/4/2021	Mid-Flood	Fine	Moderate	09:49	2.1	M	1.05	2			7.44	7.44	12.34	12.37	24.42	24.42	58.7	58.8	4.58	4.58	33.5	33.7	40	42
M2	17/4/2021	Mid-Flood	Fine	Moderate	10:00	1.9	M	0.95	1	0.530	144	7.48	7.48	12.29	12.29	24.45	24.45	59.1	59.2	4.60	4.63	23.2	23.2	45	42
M2	17/4/2021	Mid-Flood	Fine	Moderate	10:00	1.9	M	0.95	2			7.47	7.48	12.28	12.29	24.45	24.45	59.2	59.2	4.66	4.63	23.2	23.2	39	42
M3	17/4/2021	Mid-Flood	Fine	Calm	09:28	0.8	M	0.4	1	0.157	75	7.14	7.14	8.24	8.24	24.37	24.37	45.8	46.0	3.65	3.67	57.8	56.0	54	54
M3	17/4/2021	Mid-Flood	Fine	Calm	09:28	0.8	M	0.4	2			7.14	7.14	8.24	8.24	24.36	24.37	46.1	46.0	3.68	3.67	54.2	56.0	53	54
M1	17/4/2021	Mid-Ebb	Fine	Moderate	16:59	1.8	M	0.9	1	0.491	41	7.29	7.28	10.03	10.04	24.90	24.90	41.8	41.9	3.27	3.28	30.6	30.6	25	29
M1	17/4/2021	Mid-Ebb	Fine	Moderate	16:59	1.8	M	0.9	2			7.27	7.28	10.04	10.04	24.89	24.90	41.9	41.9	3.28	3.28	30.6	30.6	32	29
M2	17/4/2021	Mid-Ebb	Fine	Moderate	16:40	1.4	M	0.7	1	0.065	122	7.24	7.25	10.61	10.62	24.85	24.85	41.2	41.3	3.21	3.22	31.5	31.5	20	20
M2	17/4/2021	Mid-Ebb	Fine	Moderate	16:40	1.4	M	0.7	2			7.25	7.25	10.62	10.62	24.84	24.85	41.3	41.3	3.22	3.22	31.5	31.5	19	20
M3	17/4/2021	Mid-Ebb	Fine	Calm	16:45	0.4	M	0.2	1	0.096	254	7.00	7.01	5.09	5.10	25.10	25.10	60.2	58.9	4.82	4.72	24.1	23.6	28	27
M3	17/4/2021	Mid-Ebb	Fine	Calm	16:45	0.4	M	0.2	2			7.01	7.01	5.10	5.10	25.10	25.10	57.6	58.9	4.62	4.72	23.1	23.6	26	27

Remark

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Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1	2.25	1.91	48.4	50.4	59.0	68.0
M2	1.88	1.79	43.0	52.4	81.0	112.0
M3	3.28	3.14	74.3	78.0	104.0	167.0

Contract No. SPW 07/2020 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	19/4/2021	Mid-Flood	Fine	Smooth	10:38	1.5	M	0.75	1	0.082	115	7.86	7.86	14.98	14.98	22.46	22.52	84.1	84.1	6.62	6.62	11.1	11.2	22	20
M1	19/4/2021	Mid-Flood	Fine	Smooth	10:38	1.5	M	0.75	2			7.85	7.86	14.98	14.98	22.57	22.52	84.1	84.1	6.62	6.62	11.1	11.2	18	
M2	19/4/2021	Mid-Flood	Fine	Smooth	10:52	0.9	M	0.45	1	0.029	233	7.76	7.76	14.60	14.60	23.15	23.15	76.0	76.0	5.98	5.98	14.8	14.8	14	14
M2	19/4/2021	Mid-Flood	Fine	Smooth	10:52	0.9	M	0.45	2			7.76	7.76	14.60	14.60	23.15	23.15	75.9	76.0	5.98	5.98	14.7	14.8	13	
M3	19/4/2021	Mid-Flood	Fine	Calm	10:29	0.6	M	0.3	1	0.208	78.1	7.22	7.22	5.60	5.60	22.09	22.09	42.5	42.1	3.58	3.55	24.5	24.0	17	16
M3	19/4/2021	Mid-Flood	Fine	Calm	10:29	0.6	M	0.3	2			7.22	7.22	5.60	5.60	22.09	22.09	41.7	42.1	3.52	3.55	23.4	24.0	15	
M1	19/4/2021	Mid-Ebb	Fine	Smooth	06:25	1.7	M	0.85	1	0.079	182	7.56	7.61	14.24	14.37	22.92	22.92	78.3	78.3	6.20	6.19	13.2	13.6	15	16
M1	19/4/2021	Mid-Ebb	Fine	Smooth	06:25	1.7	M	0.85	2			7.66	7.61	14.50	14.37	22.92	22.92	78.2	78.3	6.17	6.19	14.0	13.6	16	
M2	19/4/2021	Mid-Ebb	Fine	Smooth	06:41	1.1	M	0.55	1	0.054	102	7.79	7.79	14.61	14.61	22.83	22.87	80.0	79.9	6.24	6.24	15.0	15.1	17	18
M2	19/4/2021	Mid-Ebb	Fine	Smooth	06:41	1.1	M	0.55	2			7.79	7.79	14.60	14.61	22.91	22.87	79.7	79.9	6.24	6.24	15.1	15.1	18	
M3	19/4/2021	Mid-Ebb	Fine	Calm	06:25	0.4	M	0.2	1	0.019	258	7.29	7.29	2.93	2.93	21.13	21.14	53.9	54.0	4.71	4.72	16.1	16.0	17	18
M3	19/4/2021	Mid-Ebb	Fine	Calm	06:25	0.4	M	0.2	2			7.29	7.29	2.93	2.93	21.14	21.14	54.0	54.0	4.72	4.72	15.9	16.0	18	

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Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1	2.25	1.91	48.4	50.4	59.0	68.0
M2	1.88	1.79	43.0	52.4	81.0	112.0
M3	3.28	3.14	74.3	78.0	104.0	167.0

Contract No. SPW 07/2020 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	22/4/2021	Mid-Flood	Fine	Smooth	15:46	2	M	1	1	0.16	244	7.80	7.80	12.76	12.76	26.75	26.76	99.5	100.1	7.52	7.56	16.0	15.9	13	13
M1	22/4/2021	Mid-Flood	Fine	Smooth	15:46	2	M	1	2			7.80	7.80	12.75	12.76	26.76	26.76	100.6	100.1	7.60	7.56	15.8	15.9	13	13
M2	22/4/2021	Mid-Flood	Fine	Smooth	15:33	1.2	M	0.6	1	0.075	2	7.22	7.22	12.77	12.78	26.28	26.23	85.5	82.5	6.46	6.22	23.8	23.8	13	13
M2	22/4/2021	Mid-Flood	Fine	Smooth	15:33	1.2	M	0.6	2			7.21	7.22	12.79	12.78	26.18	26.23	79.5	82.5	5.98	6.22	23.7	23.8	13	13
M3	22/4/2021	Mid-Flood	Fine	Calm	15:40	0.5	M	0.25	1	0.007	261	7.32	7.32	10.21	10.21	28.84	28.85	94.7	95.0	6.90	6.92	20.5	20.4	12	18
M3	22/4/2021	Mid-Flood	Fine	Calm	15:40	0.5	M	0.25	2			7.32	7.32	10.21	10.21	28.85	28.85	95.3	95.0	6.94	6.92	20.2	20.4	23	18
M1	22/4/2021	Mid-Ebb	Fine	Smooth	10:44	1.8	M	0.9	1	0.043	233	7.17	7.17	11.73	11.75	26.11	26.04	54.1	54.1	4.16	4.16	27.3	27.1	19	19
M1	22/4/2021	Mid-Ebb	Fine	Smooth	10:44	1.8	M	0.9	2			7.17	7.17	11.76	11.75	25.96	26.04	54.0	54.1	4.15	4.16	27.0	27.1	18	19
M2	22/4/2021	Mid-Ebb	Fine	Smooth	11:02	1.2	M	0.6	1	0.043	72	7.26	7.26	9.93	9.94	27.09	27.10	67.9	68.1	5.10	5.12	22.7	22.7	24	23
M2	22/4/2021	Mid-Ebb	Fine	Smooth	11:02	1.2	M	0.6	2			7.26	7.26	9.94	9.94	27.10	27.10	68.3	68.1	5.14	5.12	22.6	22.7	22	23
M3	22/4/2021	Mid-Ebb	Fine	Calm	10:40	0.3	M	0.15	1	0.014	157	7.02	7.03	5.87	5.87	25.41	25.43	61.7	61.6	4.89	4.88	31.3	31.0	16	16
M3	22/4/2021	Mid-Ebb	Fine	Calm	10:40	0.3	M	0.15	2			7.03	7.03	5.86	5.87	25.45	25.43	61.4	61.6	4.87	4.88	30.6	31.0	16	16

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Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1	2.25	1.91	48.4	50.4	59.0	68.0
M2	1.88	1.79	43.0	52.4	81.0	112.0
M3	3.28	3.14	74.3	78.0	104.0	167.0

Contract No. SPW 07/2020 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	24/4/2021	Mid-Flood	Fine	Smooth	06:24	2.2	M	1.1	1	0.135	78	7.21	7.22	9.60	9.60	27.41	27.42	76.6	76.6	5.69	5.71	17.1	17.1	22	22
M1	24/4/2021	Mid-Flood	Fine	Smooth	06:24	2.2	M	1.1	2			7.22	7.22	9.59	9.60	27.42	27.42	76.5	76.6	5.72	5.71	17.1	17.1	21	21
M2	24/4/2021	Mid-Flood	Fine	Smooth	06:40	1.8	M	0.9	1	0.047	134	7.22	7.22	9.41	9.40	27.60	27.60	71.1	71.4	5.25	5.26	21.1	21.1	28	28
M2	24/4/2021	Mid-Flood	Fine	Smooth	06:40	1.8	M	0.9	2			7.21	7.22	9.38	9.40	27.60	27.60	71.6	71.4	5.26	5.26	21.2	21.1	27	27
M3	24/4/2021	Mid-Flood	Fine	Calm	06:45	0.7	M	0.35	1	0.019	83	7.12	7.13	9.30	9.30	27.75	27.76	70.2	70.4	5.24	5.26	14.8	15.0	21	21
M3	24/4/2021	Mid-Flood	Fine	Calm	06:45	0.7	M	0.35	2			7.13	7.13	9.30	9.30	27.77	27.76	70.6	70.4	5.27	5.26	15.2	15.0	21	21
M1	24/4/2021	Mid-Ebb	Fine	Smooth	12:29	1.2	M	0.6	1	0.071	197	7.44	7.46	9.02	9.02	28.88	28.90	106.9	107.1	7.86	7.87	24.2	24.2	41	41
M1	24/4/2021	Mid-Ebb	Fine	Smooth	12:29	1.2	M	0.6	2			7.48	7.46	9.01	9.02	28.91	28.90	107.2	107.1	7.88	7.87	24.1	24.2	44	43
M2	24/4/2021	Mid-Ebb	Fine	Smooth	12:09	0.9	M	0.45	1	0.23	89	7.54	7.54	9.05	9.05	28.82	28.82	115.1	115.0	8.35	8.38	23.8	23.8	38	37
M2	24/4/2021	Mid-Ebb	Fine	Smooth	12:09	0.9	M	0.45	2			7.53	7.54	9.04	9.05	28.81	28.82	114.8	115.0	8.40	8.38	23.7	23.8	35	35
M3	24/4/2021	Mid-Ebb	Fine	Calm	12:00	0.5	M	0.25	1	0.011	262	7.05	7.05	4.52	4.52	29.06	29.07	82.2	82.0	6.16	6.15	22.8	22.8	16	16
M3	24/4/2021	Mid-Ebb	Fine	Calm	12:00	0.5	M	0.25	2			7.04	7.05	4.52	4.52	29.07	29.07	81.8	82.0	6.13	6.15	22.7	22.8	16	16

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Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
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Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	27/4/2021	Mid-Flood	Rainy	Moderate	07:53	1.9	M	0.95	1	0.061	177	7.36	7.35	15.93	15.94	23.95	23.95	66.4	66.4	5.11	5.11	18.5	18.5	21	21
M1	27/4/2021	Mid-Flood	Rainy	Moderate	07:53	1.9	M	0.95	2			7.34	7.35	15.94	15.94	23.95	23.95	66.3	66.4	5.10	5.11	18.4	18.5	20	21
M2	27/4/2021	Mid-Flood	Rainy	Moderate	08:12	1.7	M	0.85	1	0.101	64	7.22	7.24	14.23	14.23	23.93	23.93	63.1	63.0	4.91	4.89	22.2	22.3	44	45
M2	27/4/2021	Mid-Flood	Rainy	Moderate	08:12	1.7	M	0.85	2			7.26	7.24	14.22	14.23	23.93	23.93	62.9	63.0	4.86	4.89	22.3	22.3	44	45
M3	27/4/2021	Mid-Flood	Rainy	Smooth	08:02	1.8	M	0.9	1	0.042	85	7.06	7.06	9.66	9.66	24.22	24.23	69.3	69.1	5.50	5.49	27.9	28.0	32	31
M3	27/4/2021	Mid-Flood	Rainy	Smooth	08:02	1.8	M	0.9	2			7.06	7.06	9.66	9.66	24.24	24.23	68.9	69.1	5.47	5.49	28.1	28.0	30	31
M1	27/4/2021	Mid-Ebb	Fine	Moderate	14:18	1.4	M	0.7	1	0.178	26	7.12	7.12	8.96	8.95	24.89	24.91	49.5	49.0	3.91	3.89	35.6	35.6	26	26
M1	27/4/2021	Mid-Ebb	Fine	Moderate	14:18	1.4	M	0.7	2			7.11	7.12	8.94	8.95	24.92	24.91	48.4	49.0	3.87	3.89	35.6	35.6	25	26
M2	27/4/2021	Mid-Ebb	Fine	Moderate	14:03	1.2	M	0.6	1	0.069	114	7.13	7.14	8.30	8.31	25.04	25.04	45.8	45.7	3.57	3.58	38.1	38.1	39	39
M2	27/4/2021	Mid-Ebb	Fine	Moderate	14:03	1.2	M	0.6	2			7.14	7.14	8.31	8.31	25.04	25.04	45.5	45.7	3.58	3.58	38.1	38.1	38	39
M3	27/4/2021	Mid-Ebb	Fine	Smooth	13:58	1.2	M	0.6	1	0.022	263	6.58	6.58	4.94	4.94	25.17	25.17	48.9	48.5	3.91	3.89	27.7	27.8	33	33
M3	27/4/2021	Mid-Ebb	Fine	Smooth	13:58	1.2	M	0.6	2			6.58	6.58	4.94	4.94	25.17	25.17	48.1	48.5	3.86	3.89	27.9	27.8	32	33

Remark

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Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1	2.25	1.91	48.4	50.4	59.0	68.0
M2	1.88	1.79	43.0	52.4	81.0	112.0
M3	3.28	3.14	74.3	78.0	104.0	167.0

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Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	29/4/2021	Mid-Flood	Rainy	Moderate	08:44	1.1	M	0.55	1	0.059	180	7.25	7.25	14.67	14.65	24.58	24.58	59.8	59.8	4.58	4.58	28.9	28.9	36	36
M1	29/4/2021	Mid-Flood	Rainy	Moderate	08:44	1.1	M	0.55	2			7.25	7.25	14.63	14.65	24.58	24.58	59.8	59.8	4.57	4.58	28.9	28.9	36	36
M2	29/4/2021	Mid-Flood	Rainy	Moderate	08:57	0.9	M	0.45	1	0.026	92	7.21	7.21	10.46	10.46	25.10	25.11	53.5	53.5	4.14	4.14	27.6	27.5	42	41
M2	29/4/2021	Mid-Flood	Rainy	Moderate	08:57	0.9	M	0.45	2			7.21	7.21	10.46	10.46	25.12	25.11	53.4	53.5	4.14	4.14	27.3	27.5	40	41
M3	29/4/2021	Mid-Flood	Rainy	Smooth	09:15	1.2	M	0.6	1	0.014	79	6.87	6.87	8.40	8.38	24.00	24.10	72.7	70.2	5.83	5.62	20.5	20.2	33	33
M3	29/4/2021	Mid-Flood	Rainy	Smooth	09:15	1.2	M	0.6	2			6.87	6.87	8.35	8.38	24.20	24.10	67.7	70.2	5.41	5.62	19.8	20.2	32	33
M1	29/4/2021	Mid-Ebb	Fine	Moderate	15:31	1	M	0.5	1	0.088	240	7.18	7.18	8.44	8.44	26.20	26.18	64.7	64.6	5.26	5.25	20.4	20.3	23	23
M1	29/4/2021	Mid-Ebb	Fine	Moderate	15:31	1	M	0.5	2			7.18	7.18	8.44	8.44	26.16	26.18	64.5	64.6	5.23	5.25	20.1	20.3	23	23
M2	29/4/2021	Mid-Ebb	Fine	Moderate	15:19	1	M	0.5	1	0.083	223	7.18	7.18	8.42	8.44	26.13	26.13	58.2	58.9	4.87	4.91	31.9	31.8	41	40
M2	29/4/2021	Mid-Ebb	Fine	Moderate	15:19	1	M	0.5	2			7.18	7.18	8.45	8.44	26.12	26.13	59.6	58.9	4.95	4.91	31.7	31.8	39	40
M3	29/4/2021	Mid-Ebb	Fine	Smooth	15:30	1	M	0.5	1	0.019	261	7.13	7.14	7.80	7.80	26.10	26.15	68.1	68.3	5.27	5.28	16.0	16.6	27	27
M3	29/4/2021	Mid-Ebb	Fine	Smooth	15:30	1	M	0.5	2			7.14	7.14	7.80	7.80	26.20	26.15	68.4	68.3	5.29	5.28	17.2	16.6	27	27

Remark

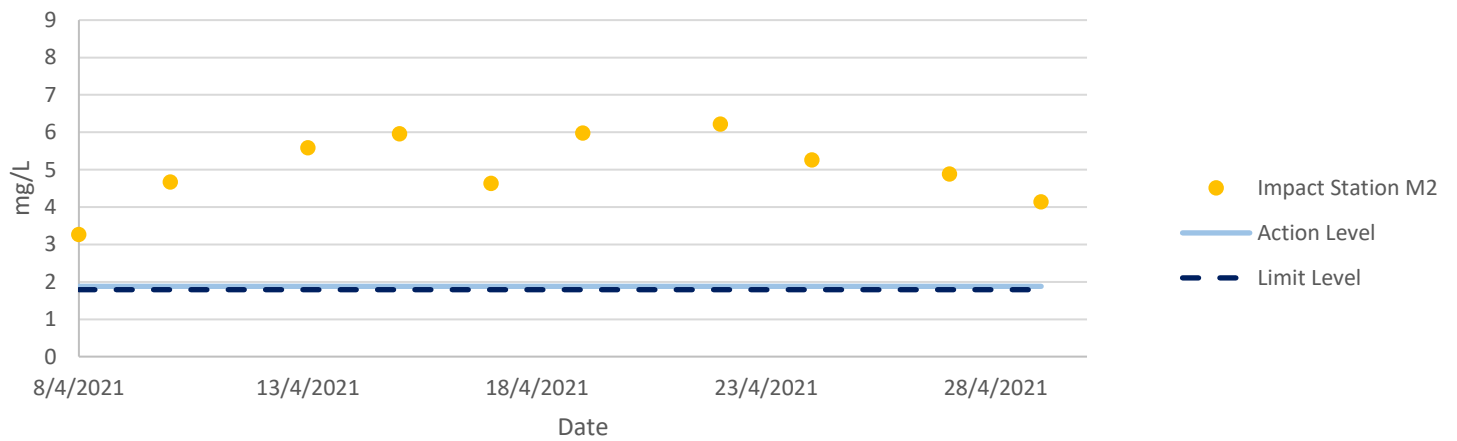
1. Orange and Bold: Action Level Exceedance
2. Red and Bold: Limit Level Exceedance
3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day.
4. Limit Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.
5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.
6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1	2.25	1.91	48.4	50.4	59.0	68.0
M2	1.88	1.79	43.0	52.4	81.0	112.0
M3	3.28	3.14	74.3	78.0	104.0	167.0

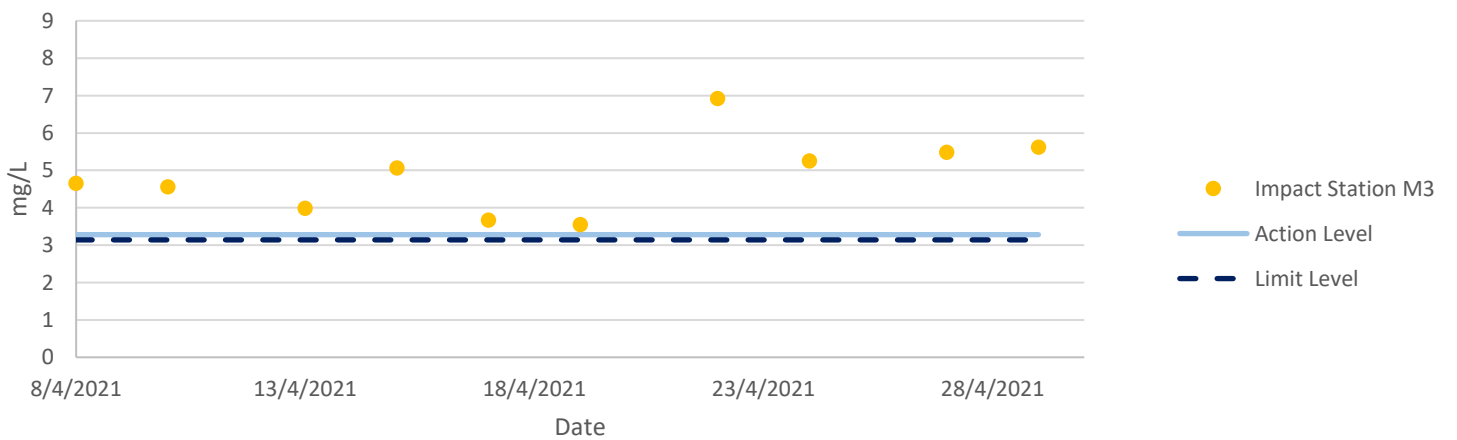
Dissolved Oxygen at Mid-Flood Tide



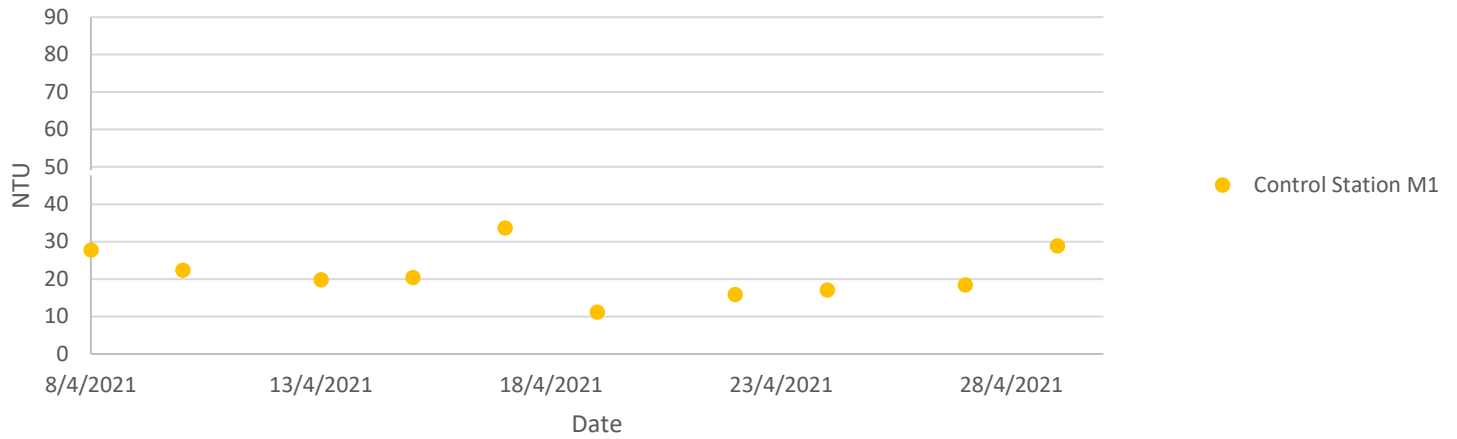
Dissolved Oxygen at Mid-Flood Tide



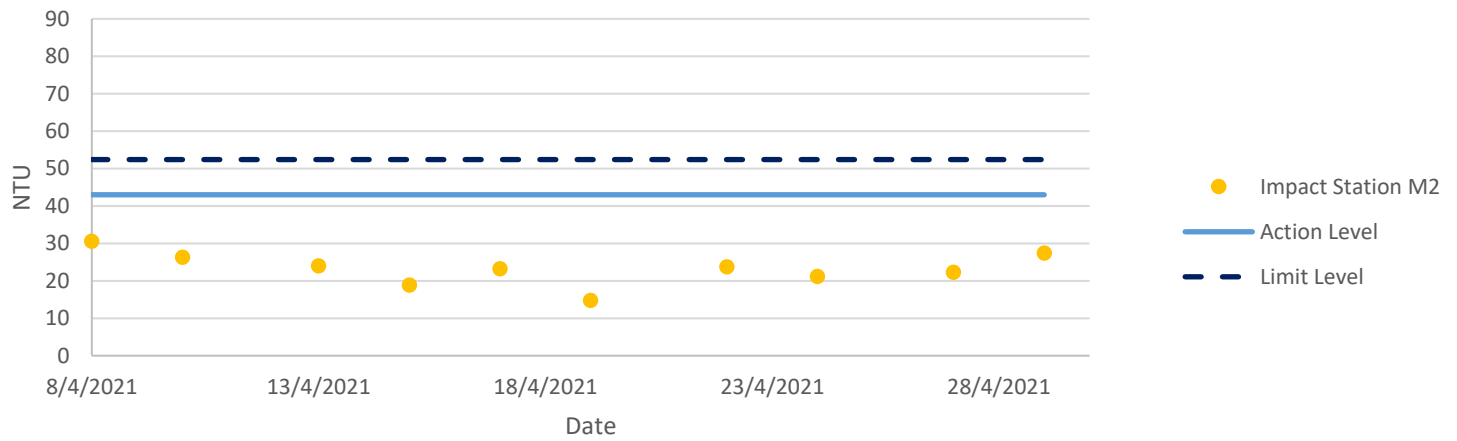
Dissolved Oxygen at Mid-Flood Tide



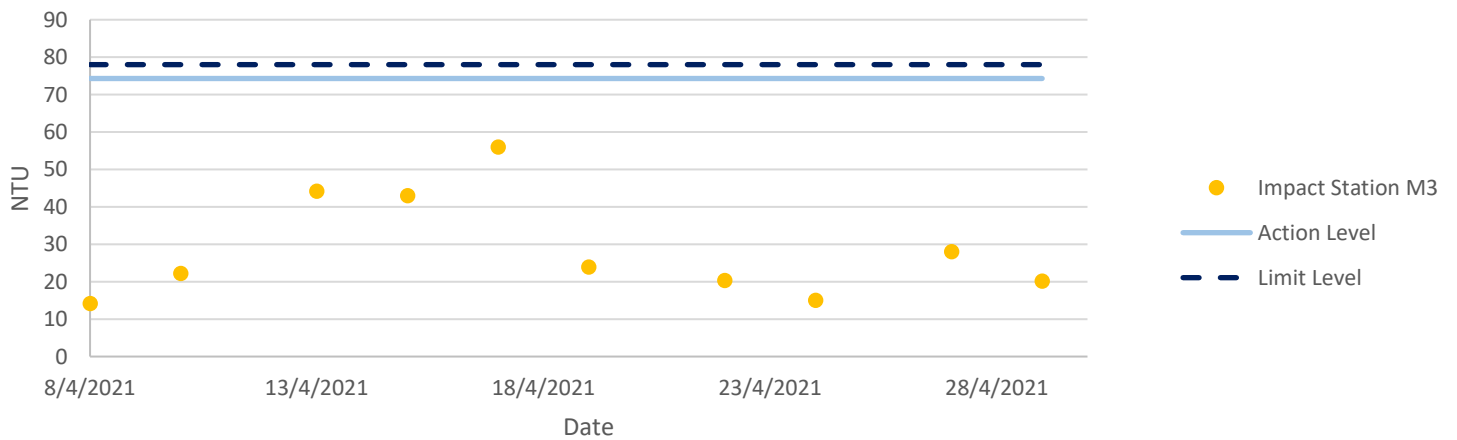
Turbidity at Mid-Flood Tide



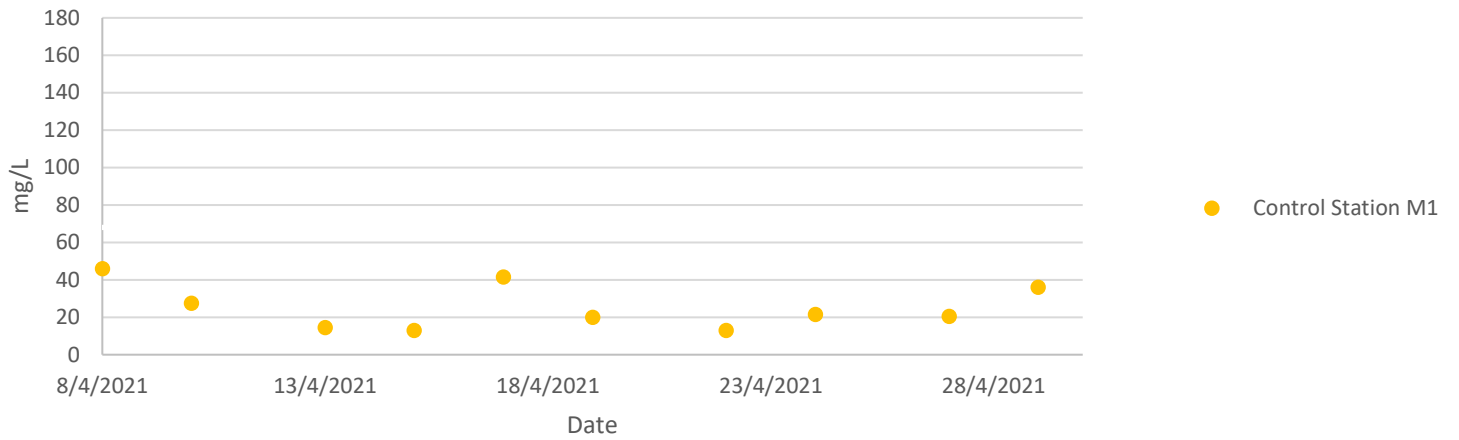
Turbidity at Mid-Flood Tide



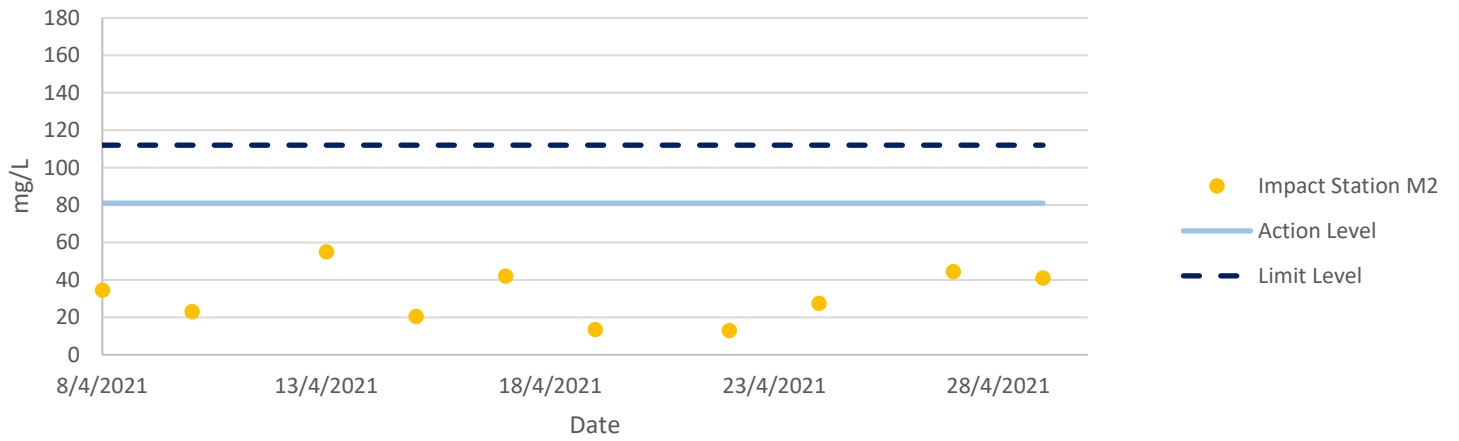
Turbidity at Mid-Flood Tide



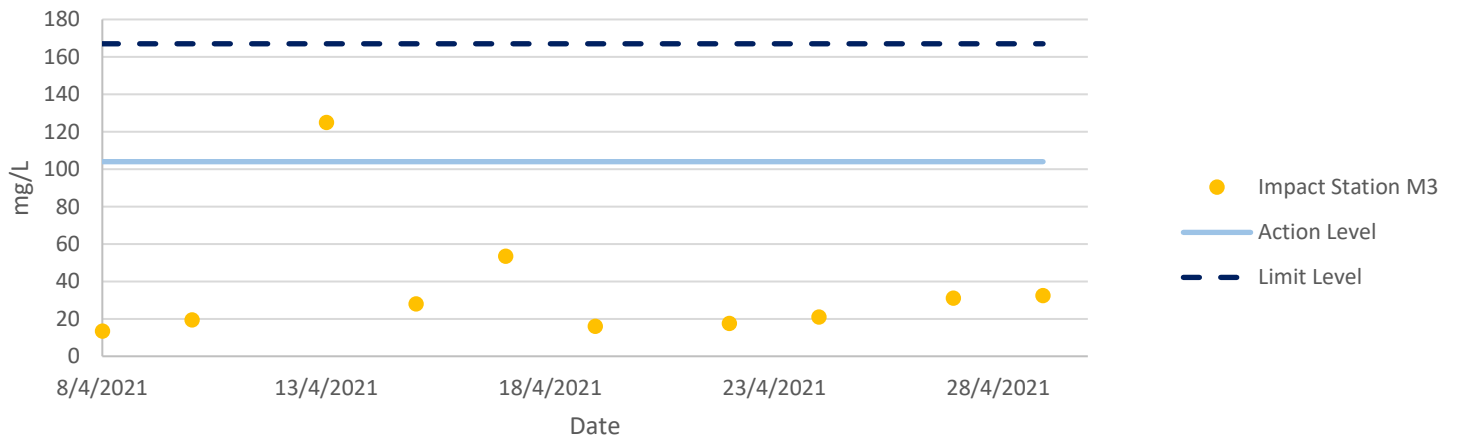
Total Suspended Solids at Mid-Flood Tide



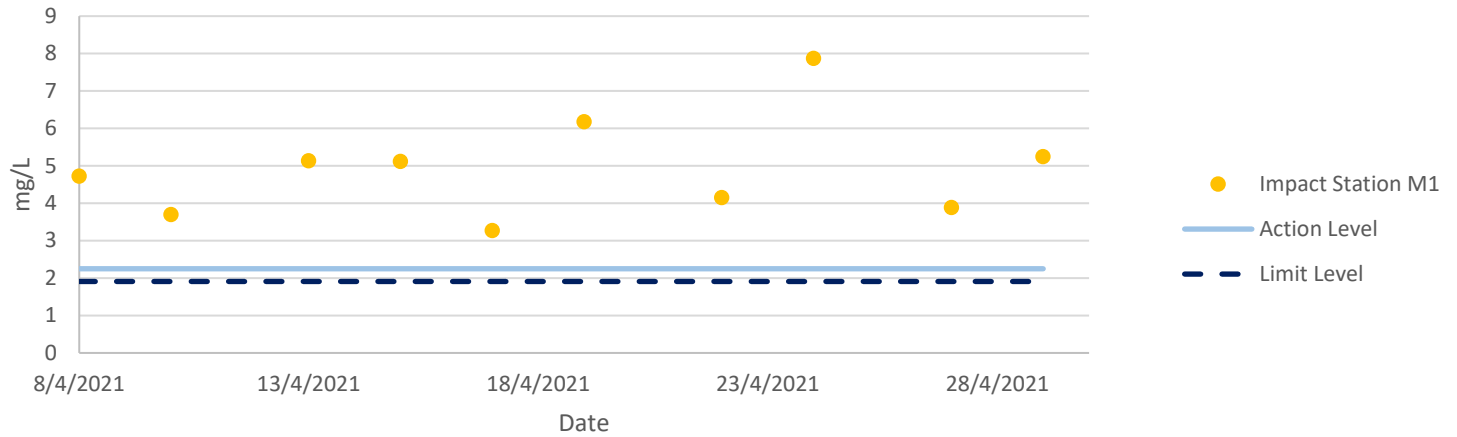
Total Suspended Solids at Mid-Flood Tide



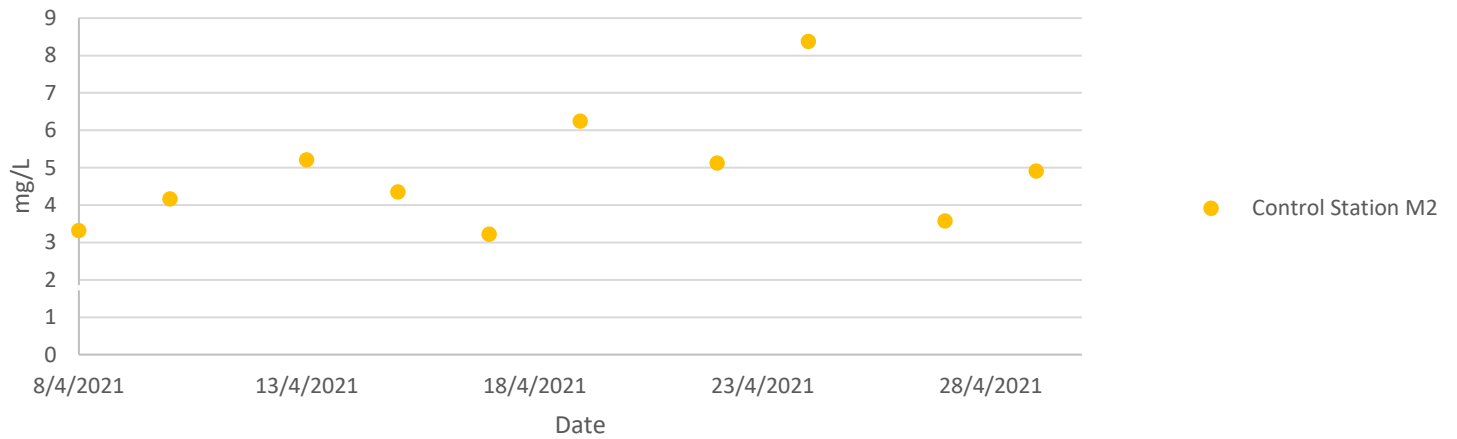
Total Suspended Solids at Mid-Flood Tide



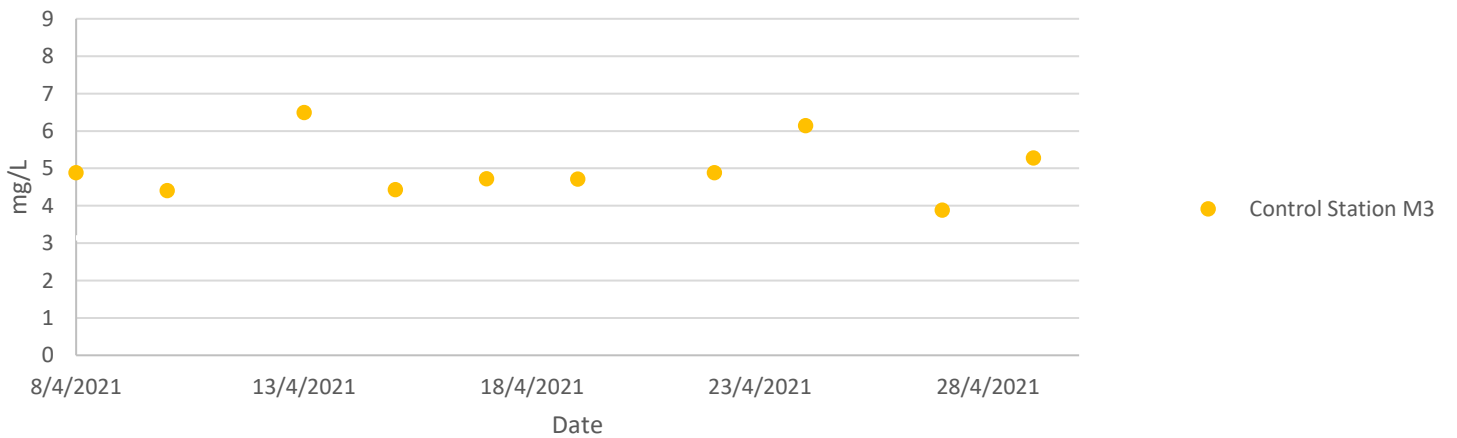
Dissolved Oxygen at Mid-Ebb Tide



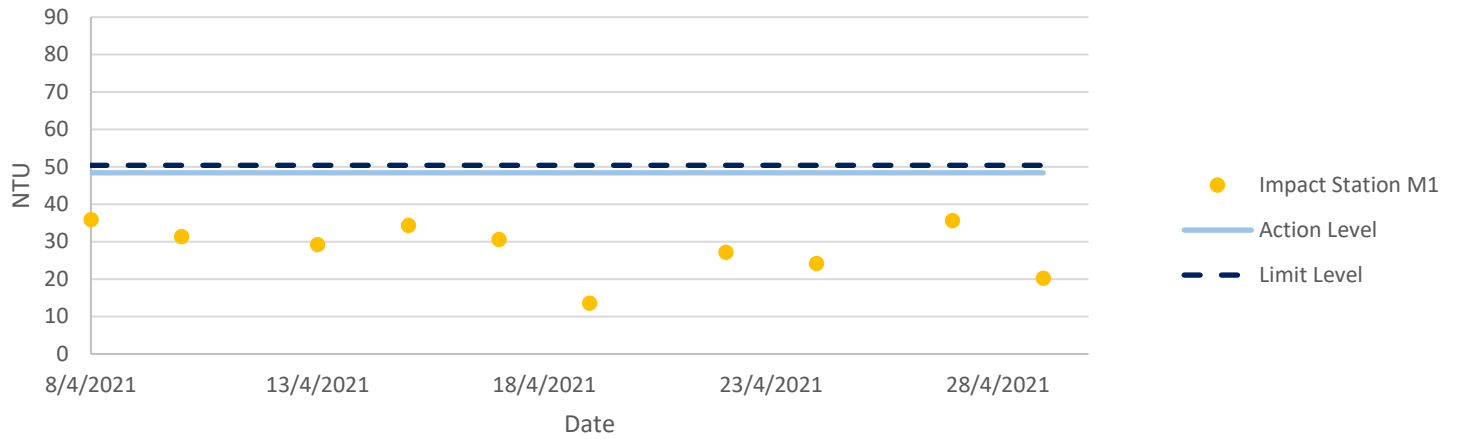
Dissolved Oxygen at Mid-Ebb Tide



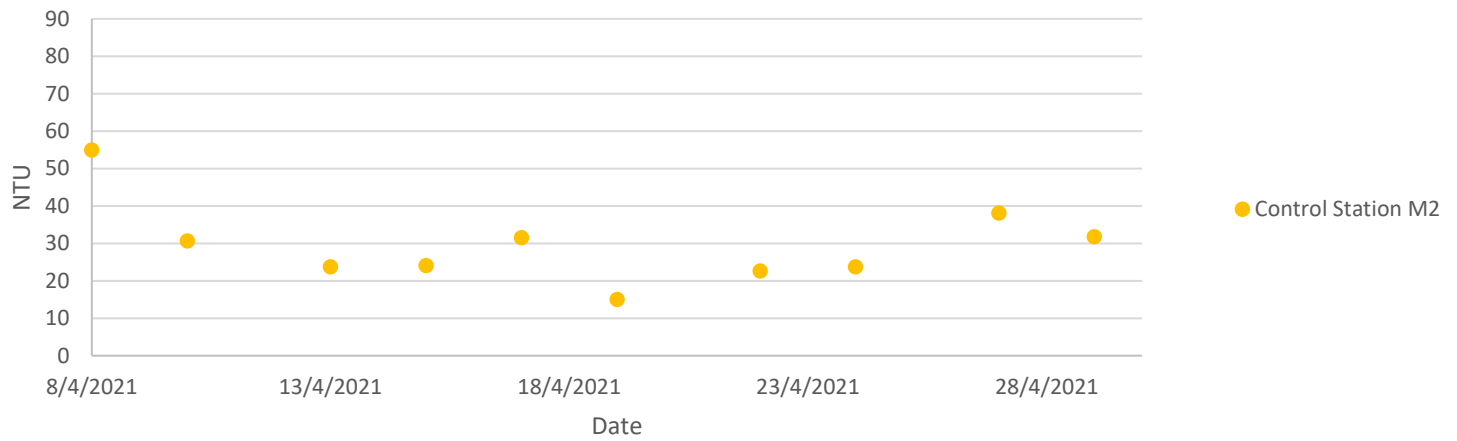
Dissolved Oxygen at Mid-Ebb Tide



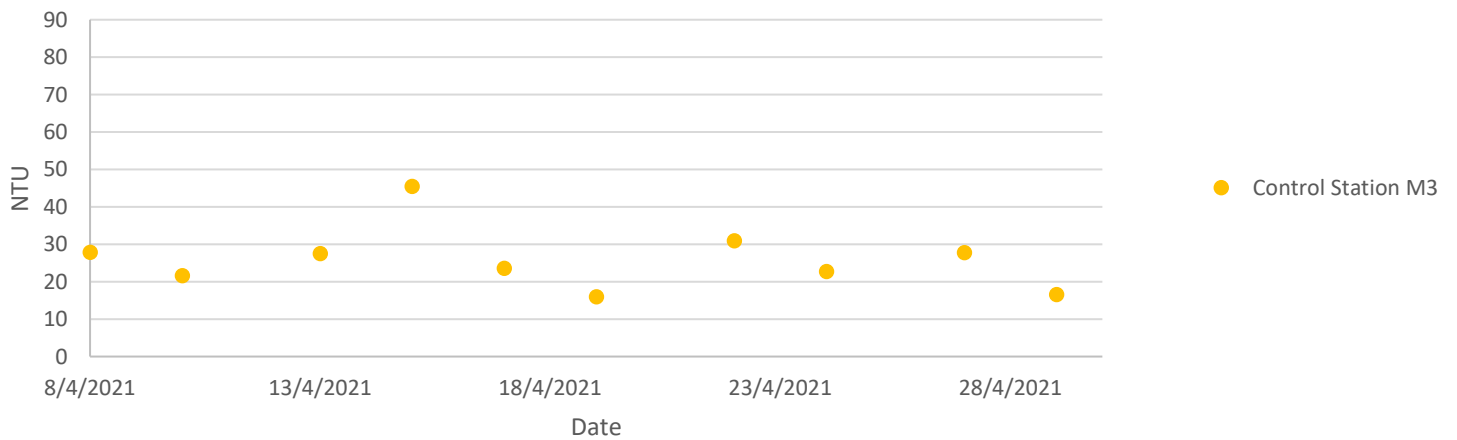
Turbidity at Mid-Ebb Tide



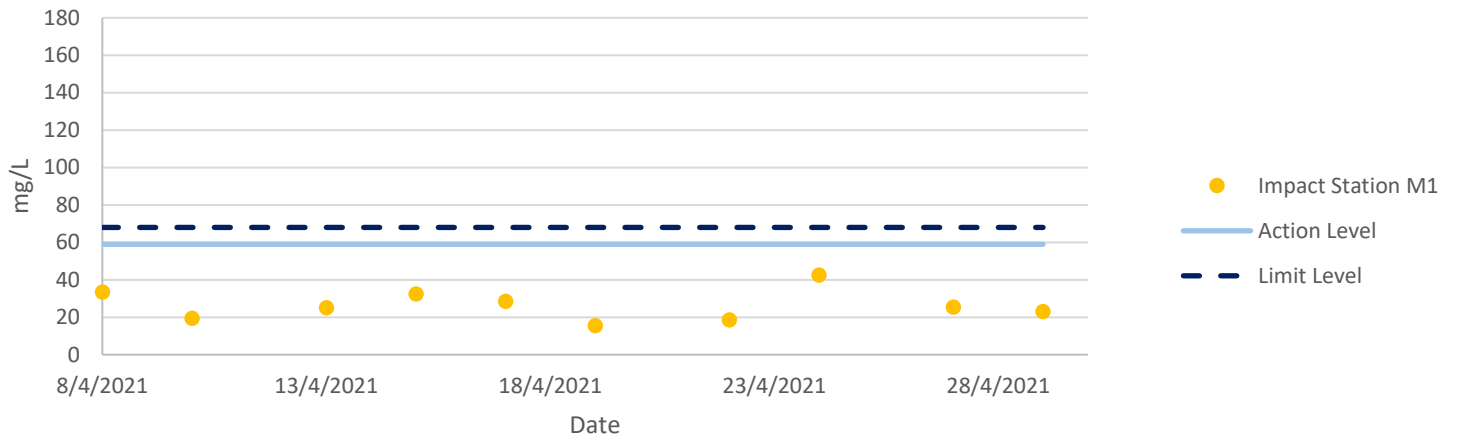
Turbidity at Mid-Ebb Tide



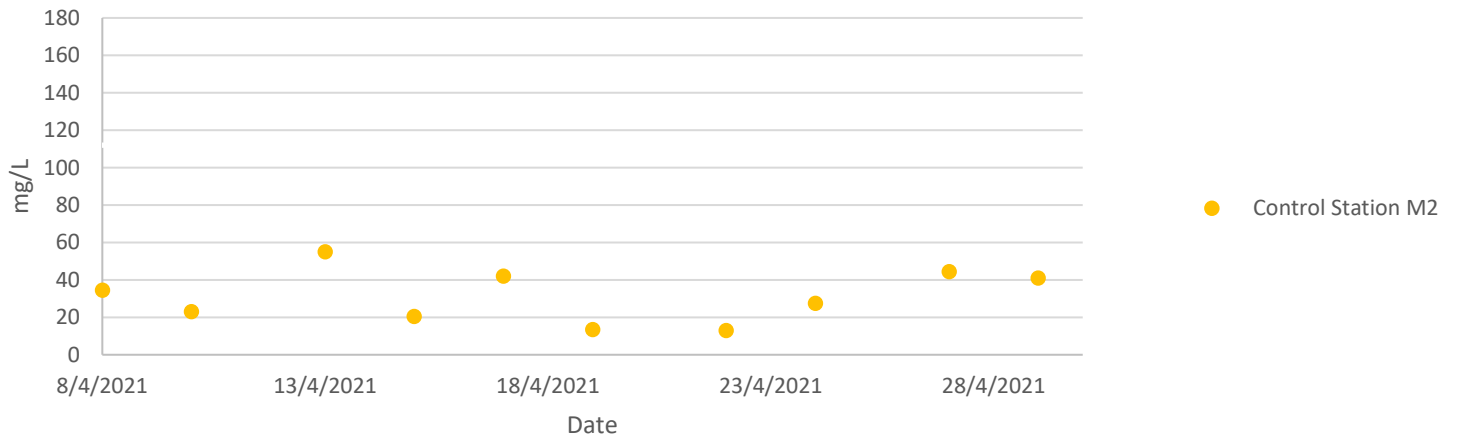
Turbidity at Mid-Ebb Tide



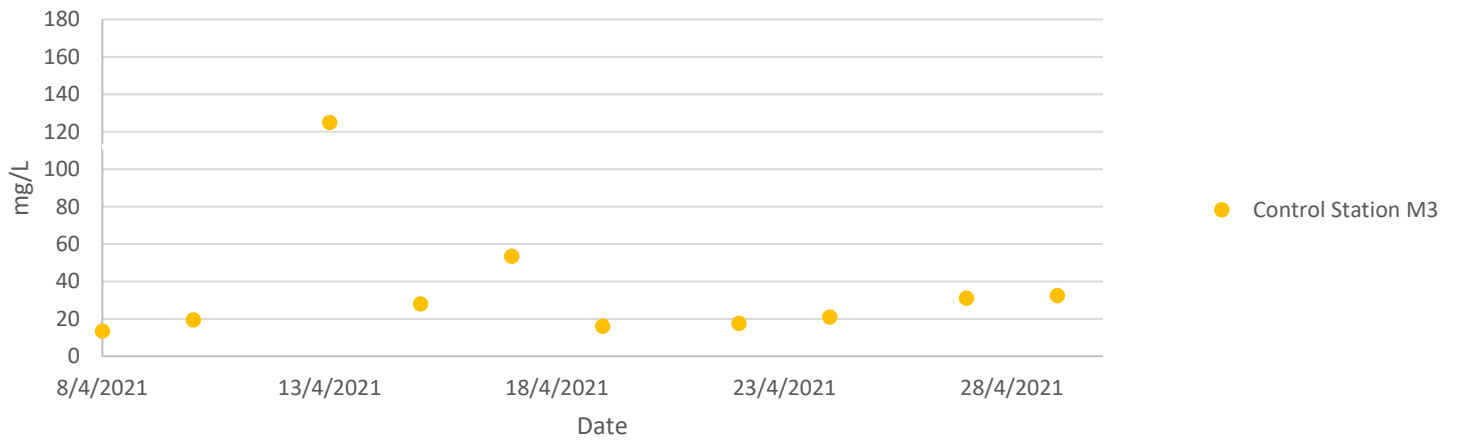
Total Suspended Solids at Mid-Ebb Tide



Total Suspended Solids at Mid-Ebb Tide



Total Suspended Solids at Mid-Ebb Tide



Appendix F.1 Ecological Bird Survey Monitoring Results (14 April 2021)

Daytime/Night time	Season	Area	Point Count (Location)/Transect Impact	Transect/Point Count	Common Name	Scientific Name	Abundance	Habitat	Distribution in Hong Kong ²	Principal Status ³	Level of Concern ⁴	Protection Status in China ⁵	China Red Data Book ⁶	IUCN Red List ⁷ (v.2020-3)	Red List of China's Vertebrates ¹⁰	Species of Conservation Importance	Wetland Dependent
Daytime	Wet	FLW	FLW	Transect	Asian Koel	<i>Eudynamys scolopaceus</i>	2	Plantation-FLW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	NSW	Transect	Asian Koel	<i>Eudynamys scolopaceus</i>	3	Pond-NSW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	SP/NSW3	Point Count	Asian Koel	<i>Eudynamys scolopaceus</i>	1	Plantation-NSW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW	Transect	Azure-winged Magpie	<i>Cyanopica cyanus</i>	8	Plantation-FLW	Introduced	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW1	Point Count	Azure-winged Magpie	<i>Cyanopica cyanus</i>	7	Develop Area (<i>Ficus microcarpa</i> trees North of Project Boundary)	Introduced	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW1	Point Count	Azure-winged Magpie	<i>Cyanopica cyanus</i>	5	Develop Area (<i>Ficus microcarpa</i> trees North of Project Boundary)	Introduced	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW7	Point Count	Azure-winged Magpie	<i>Cyanopica cyanus</i>	2	Plantation-FLW	Introduced	R	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	NSW1	Point Count	Barn Swallow	<i>Hirundo rustica</i>	2	Pond-NSW	Abundant	PM,SV	-	-	-	LC	LC	N	N
Daytime	Wet	Mudflat	Mudflat		Bar-tailed Godwit	<i>Limosa lapponica</i>	16	Mudflat	Common	PM	LC	-		NT	NT	Y	Y
Daytime	Wet	FLW	FLW3	Point Count	Black Kite	<i>Milvus migrans</i>	2	Pond-FLW	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
Daytime	Wet	NSW	SP/NSW1	Point Count	Black Kite	<i>Milvus migrans</i>	1	Pond-NSW	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW5	Point Count	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Pond-FLW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW6	Point Count	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Pond-FLW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW6	Point Count	Black-collared Starling	<i>Gracupica nigricollis</i>	2	Pond-FLW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW7	Point Count	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Plantation-FLW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW3	Point Count	Black-winged Stilt	<i>Himantopus himantopus</i>	2	Pond-FLW	Common	PM	RC	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW6	Point Count	Black-winged Stilt	<i>Himantopus himantopus</i>	4	Pond-FLW	Common	PM	RC	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW	Transect	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Plantation-FLW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW3	Point Count	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW5	Point Count	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW	Transect	Chinese Pond Heron	<i>Ardeola bacchus</i>	12	Develop Area (<i>Ficus microcarpa</i> trees North of Project Boundary)	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW	Transect	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Plantation-FLW	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW	Transect	Chinese Pond Heron	<i>Ardeola bacchus</i>	9	Develop Area (<i>Ficus microcarpa</i> trees North of Project Boundary)	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW1	Point Count	Chinese Pond Heron	<i>Ardeola bacchus</i>	14	Pond-FLW	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW1	Point Count	Chinese Pond Heron	<i>Ardeola bacchus</i>	14	Pond-FLW	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW5	Point Count	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Pond-FLW	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW6	Point Count	Chinese Pond Heron	<i>Ardeola bacchus</i>	6	Pond-FLW	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW7	Point Count	Chinese Pond Heron	<i>Ardeola bacchus</i>	7	Pond-FLW	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	YLIE	Modified Watercourse	Transect	Chinese Pond Heron	<i>Ardeola bacchus</i>	12	YLIE-WC	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	Mudflat	Mudflat		Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Mudflat	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	NSW	NSW	Transect	Chinese Pond Heron	<i>Ardeola bacchus</i>	5	WC-NSW	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	NSW	NSW	Transect	Chinese Pond Heron	<i>Ardeola bacchus</i>	5	Developed Area	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	NSW	NSW1	Point Count	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Pond-NSW	Common	R	PRC (RC)	-	-	LC	LC	Y	Y

Daytime	Wet	NSW	SP/NSW1	Point Count	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Pond-NSW	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	NSW	SP/NSW2	Point Count	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Pond-NSW	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	NSW	NSW1	Point Count	Collared Crow	<i>Corvus torquatus</i>	1	Pond-NSW	Uncommon	R	LC	-	-	VU	NT	Y	Y
Daytime	Wet	Mudflat	Mudflat		Common Greenshank	<i>Tringa nebularia</i>	1	Mudflat	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW	Transect	Common Moorhen	<i>Gallinula chloropus</i>	3	Pond-FLW	Common	R	-	-	-	LC	LC	N	Y
Daytime	Wet	YLIE	Modified Watercourse	Transect	Common Moorhen	<i>Gallinula chloropus</i>	6	YLIE-WC	Common	R	-	-	-	LC	LC	N	Y
Daytime	Wet	NSW	SP/NSW1	Point Count	Common Moorhen	<i>Gallinula chloropus</i>	2	Pond-NSW	Common	R	-	-	-	LC	LC	N	Y
Daytime	Wet	YLIE	Modified Watercourse	Transect	Common Sandpiper	<i>Actitis hypoleucos</i>	6	YLIE-WC	Common	PM,WV	-	-	-	LC	LC	N	Y
Daytime	Wet	NSW	SP/NSW1	Point Count	Common Tailorbird	<i>Orthotomus sutorius</i>	2	Pond-NSW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW	Transect	Crested Myna	<i>Acridotheres cristatellus</i>	11	Pond-FLW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW	Transect	Crested Myna	<i>Acridotheres cristatellus</i>	2	Pond-FLW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW3	Point Count	Crested Myna	<i>Acridotheres cristatellus</i>	3	Pond-FLW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW5	Point Count	Crested Myna	<i>Acridotheres cristatellus</i>	4	Pond-FLW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW6	Point Count	Crested Myna	<i>Acridotheres cristatellus</i>	2	Pond-FLW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW7	Point Count	Crested Myna	<i>Acridotheres cristatellus</i>	2	Pond-FLW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	NSW	Transect	Crested Myna	<i>Acridotheres cristatellus</i>	7	Pond-NSW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	NSW1	Point Count	Crested Myna	<i>Acridotheres cristatellus</i>	10	Pond-NSW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW	Transect	Dusky Warbler	<i>Phylloscopus fuscatus</i>	5	Grassland-FLW	Common	PM,WV	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW2	Point Count	Dusky Warbler	<i>Phylloscopus fuscatus</i>	3	Pond-FLW	Common	PM,WV	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW3	Point Count	Dusky Warbler	<i>Phylloscopus fuscatus</i>	3	Pond-FLW	Common	PM,WV	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	SP/NSW1	Point Count	Dusky Warbler	<i>Phylloscopus fuscatus</i>	3	Pond-NSW	Common	PM,WV	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW	Transect	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	7	Pond-FLW	Common	PM,WV	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW	Transect	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	5	Pond-FLW	Common	PM,WV	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW5	Point Count	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	4	Pond-FLW	Common	PM,WV	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW	Transect	Eurasian Tree Sparrow	<i>Passer montanus</i>	10	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW5	Point Count	Eurasian Tree Sparrow	<i>Passer montanus</i>	5	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW5	Point Count	Great Egret	<i>Ardea alba</i>	2	Pond-FLW	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	NSW	NSW	Transect	Great Egret	<i>Ardea alba</i>	1	Pond-NSW	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	NSW	SP/NSW1	Point Count	Great Egret	<i>Ardea alba</i>	1	Pond-NSW	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW	Transect	Greater Coucal	<i>Centropus sinensis</i>	2	Plantation-FLW	Common	R	-	Class II	Vulnerable	LC	LC	Y	N
Daytime	Wet	FLW	FLW4	Point Count	Greater Coucal	<i>Centropus sinensis</i>	1	Pond-FLW	Common	R	-	Class II	Vulnerable	LC	LC	Y	N
Daytime	Wet	FLW	FLW	Transect	Grey Heron	<i>Ardea cinerea</i>	1	Pond-FLW	Common	WV	PRC	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW1	Point Count	Grey Heron	<i>Ardea cinerea</i>	2	Pond-FLW	Common	WV	PRC	-	-	LC	LC	Y	Y
Daytime	Wet	YLIE	Modified Watercourse	Transect	Grey Heron	<i>Ardea cinerea</i>	2	YLIE-WC	Common	WV	PRC	-	-	LC	LC	Y	Y
Daytime	Wet	Mudflat	Mudflat		Grey Heron	<i>Ardea cinerea</i>	1	Mudflat	Common	WV	PRC	-	-	LC	LC	Y	Y
Daytime	Wet	Mudflat	Mudflat		Grey Heron	<i>Ardea cinerea</i>	1	Mangrove	Common	WV	PRC	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW	Transect	House Swift	<i>Apus nepalensis</i>	3	Pond-FLW	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N

Daytime	Wet	FLW	FLW	Transect	House Swift	<i>Apus nepalensis</i>	2	Pond-FLW	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	NSW1	Point Count	House Swift	<i>Apus nepalensis</i>	2	Pond-NSW	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	NSW1	Point Count	House Swift	<i>Apus nepalensis</i>	4	Pond-NSW	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	NSW	Transect	Japanese White-eye	<i>Zosterops japonicus</i>	3	Plantation-NSW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW	Transect	Large-billed Crow	<i>Corvus macrorhynchos</i>	4	Pond-FLW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW1	Point Count	Little Egret	<i>Egretta garzetta</i>	5	Pond-FLW	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW1	Point Count	Little Egret	<i>Egretta garzetta</i>	4	Pond-FLW	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW2	Point Count	Little Egret	<i>Egretta garzetta</i>	3	Pond-FLW	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW6	Point Count	Little Egret	<i>Egretta garzetta</i>	2	Pond-FLW	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	Mudflat	Mudflat		Little Egret	<i>Egretta garzetta</i>	1	Mudflat	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	NSW	NSW1	Point Count	Little Egret	<i>Egretta garzetta</i>	2	Pond-NSW	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW	Transect	Little Grebe	<i>Tachybaptus ruficollis</i>	3	Pond-FLW	Common	R	LC	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW1	Point Count	Little Grebe	<i>Tachybaptus ruficollis</i>	3	Pond-FLW	Common	R	LC	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW5	Point Count	Little Grebe	<i>Tachybaptus ruficollis</i>	1	Pond-FLW	Common	R	LC	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW7	Point Count	Little Grebe	<i>Tachybaptus ruficollis</i>	1	Pond-FLW	Common	R	LC	-	-	LC	LC	Y	Y
Daytime	Wet	NSW	NSW	Transect	Little Grebe	<i>Tachybaptus ruficollis</i>	3	Pond-NSW	Common	R	LC	-	-	LC	LC	Y	Y
Daytime	Wet	NSW	NSW1	Point Count	Little Grebe	<i>Tachybaptus ruficollis</i>	1	Pond-NSW	Common	R	LC	-	-	LC	LC	Y	Y
Daytime	Wet	NSW	SP/NSW1	Point Count	Little-ringed Plover	<i>Charadrius dubius</i>	2	Pond-NSW	Common	WV,PM	-	-	-	LC	LC	N	Y
Daytime	Wet	FLW	FLW6	Point Count	Marsh Sandpiper	<i>Tringa stagnatilis</i>	2	Pond-FLW	Common	PM,WV	RC	-	-	LC	LC	Y	Y
Daytime	Wet	YLIE	Modified Watercourse	Transect	Marsh Sandpiper	<i>Tringa stagnatilis</i>	5	YLIE-WC	Common	PM,WV	RC	-	-	LC	LC	Y	Y
Daytime	Wet	Mudflat	Mudflat		Marsh Sandpiper	<i>Tringa stagnatilis</i>	2	Mudflat	Common	PM,WV	RC	-	-	LC	LC	Y	Y
Daytime	Wet	NSW	NSW	Transect	Marsh Sandpiper	<i>Tringa stagnatilis</i>	6	Pond-NSW	Common	PM,WV	RC	-	-	LC	LC	Y	Y
Daytime	Wet	NSW	SP/NSW2	Point Count	Marsh Sandpiper	<i>Tringa stagnatilis</i>	5	WC-NSW	Common	PM,WV	RC	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW	Transect	Masked Laughingthrush	<i>Garrulax perspicillatus</i>	21	Plantation-FLW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW2	Point Count	Masked Laughingthrush	<i>Garrulax perspicillatus</i>	9	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW5	Point Count	Masked Laughingthrush	<i>Garrulax perspicillatus</i>	6	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW7	Point Count	Masked Laughingthrush	<i>Garrulax perspicillatus</i>	9	Plantation-FLW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	NSW	Transect	Masked Laughingthrush	<i>Garrulax perspicillatus</i>	7	Pond-NSW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW	Transect	Oriental Magpie Robin	<i>Copsychus saularis</i>	2	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	YLIE	Modified Watercourse	Transect	Oriental Magpie Robin	<i>Copsychus saularis</i>	6	YLIE-WC	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	NSW1	Point Count	Pied Kingfisher	<i>Ceryle rudis</i>	1	Pond-NSW	Uncommon	R	-	-	-	LC	LC	N	Y
Daytime	Wet	FLW	FLW4	Point Count	Plain Prinia	<i>Prinia inornata</i>	1	Pond-FLW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	NSW	Transect	Plain Prinia	<i>Prinia inornata</i>	5	Reedbed	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	NSW1	Point Count	Plain Prinia	<i>Prinia inornata</i>	2	Reedbed	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	SP/NSW3	Point Count	Plain Prinia	<i>Prinia inornata</i>	2	Plantation-NSW	Common	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW4	Point Count	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	2	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW5	Point Count	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	SP/NSW1	Point Count	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	5	Pond-NSW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW	Transect	Sooty-headed Bulbul	<i>Pycnonotus aurigaster</i>	4	Plantation-FLW	Uncommon	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW	Transect	Spotted Dove	<i>Spilopelia chinensis</i>	7	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW1	Point Count	Spotted Dove	<i>Spilopelia chinensis</i>	8	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW1	Point Count	Spotted Dove	<i>Spilopelia chinensis</i>	3	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW2	Point Count	Spotted Dove	<i>Spilopelia chinensis</i>	2	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N

Daytime	Wet	FLW	FLW5	Point Count	Spotted Dove	<i>Spilopelia chinensis</i>	2	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	NSW	Transect	Spotted Dove	<i>Spilopelia chinensis</i>	12	Pond-NSW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	NSW	Transect	Spotted Dove	<i>Spilopelia chinensis</i>	2	Pond-NSW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	NSW1	Point Count	Spotted Dove	<i>Spilopelia chinensis</i>	5	Pond-NSW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	SP/NSW1	Point Count	Spotted Dove	<i>Spilopelia chinensis</i>	3	Pond-NSW	Abundant	R	-	-	-	LC	LC	N	N
Daytime	Wet	Mudflat	Mudflat		Spotted Redshank	<i>Tringa erythropus</i>	5	Mudflat	Abundant	WV,Sp	RC	-	-	LC	LC	Y	Y
Daytime	Wet	Mudflat	Mudflat		White Wagtail	<i>Motacilla alba</i>	3	Mudflat	Common	PM,WV	-	-	-	LC	LC	N	N
Daytime	Wet	NSW	NSW1	Point Count	White Wagtail	<i>Motacilla alba</i>	2	Pond-NSW	Common	PM,WV	-	-	-	LC	LC	N	N
Daytime	Wet	FLW	FLW5	Point Count	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	3	Pond-FLW	Common	R	-	-	-	LC	LC	N	Y
Daytime	Wet	FLW	FLW6	Point Count	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Pond-FLW	Common	R	-	-	-	LC	LC	N	Y
Daytime	Wet	NSW	NSW1	Point Count	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	2	Pond-NSW	Common	R	-	-	-	LC	LC	N	Y
Daytime	Wet	NSW	NSW	Transect	Wood Sandpiper	<i>Tringa glareola</i>	2	WC-NSW	Common	PM,WV	LC	-	-	LC	LC	Y	Y
Daytime	Wet	FLW	FLW	Transect	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	3	Grassland-FLW	Common	R	-	-	-	LC	LC	N	N

Appendix F.2a Ecological Bird Survey Monitoring Diversity (All avifauna species in Point Count Method) in All Habitats (14 April 2021)

Common Name	Abundance	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
Asian Koel	1	0.003922	-5.54126	-0.02173	0.120414
Azure-winged Magpie	14	0.054902	-2.90221	-0.15934	0.462428
Barn Swallow	2	0.007843	-4.84812	-0.03802	0.184347
Black Kite	3	0.011765	-4.44265	-0.05227	0.232202
Black-collared Starling	14	0.054902	-2.90221	-0.15934	0.462428
Black-winged Stilt	6	0.023529	-3.7495	-0.08822	0.330795
Chinese Bulbul	6	0.023529	-3.7495	-0.08822	0.330795
Chinese Pond Heron	50	0.196078	-1.62924	-0.31946	0.520475
Collared Crow	1	0.003922	-5.54126	-0.02173	0.120414
Common Moorhen	2	0.007843	-4.84812	-0.03802	0.184347
Common Tailorbird	2	0.007843	-4.84812	-0.03802	0.184347
Crested Myna	21	0.082353	-2.49674	-0.20561	0.513365
Dusky Warbler	9	0.035294	-3.34404	-0.11802	0.39468
Eastern Yellow Wagtail	4	0.015686	-4.15497	-0.06518	0.270804
Eurasian Tree Sparrow	5	0.019608	-3.93183	-0.07709	0.303123
Great Egret	3	0.011765	-4.44265	-0.05227	0.232202
Greater Coucal	1	0.003922	-5.54126	-0.02173	0.120414
Grey Heron	2	0.007843	-4.84812	-0.03802	0.184347
House Swift	6	0.023529	-3.7495	-0.08822	0.330795
Little Egret	16	0.062745	-2.76867	-0.17372	0.480976
Little Grebe	6	0.023529	-3.7495	-0.08822	0.330795
Little-ringed Plover	2	0.007843	-4.84812	-0.03802	0.184347
Marsh Sandpiper	7	0.027451	-3.59535	-0.0987	0.354847
Masked Laughingthrush	24	0.094118	-2.36321	-0.22242	0.525624
Pied Kingfisher	1	0.003922	-5.54126	-0.02173	0.120414
Plain Prinia	5	0.019608	-3.93183	-0.07709	0.303123
Red-whiskered Bulbul	11	0.043137	-3.14337	-0.1356	0.426229
Spotted Dove	23	0.090196	-2.40577	-0.21699	0.52203
White Wagtail	2	0.007843	-4.84812	-0.03802	0.184347
White-breasted Waterhen	6	0.023529	-3.7495	-0.08822	0.330795
Total	255				
Richness	30				
SS	9.246249				
SQ	8.347938				
H	2.88928				
S²_H	0.003746				

Appendix F.2b Ecological Bird Survey Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (14 April 2021)

Common Name	Abundance	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
Black Kite	3	0.031579	-3.45526	-0.10911	0.377016
Black-winged Stilt	6	0.063158	-2.76212	-0.17445	0.48185
Chinese Pond Heron	50	0.526316	-0.64185	-0.33782	0.21683
Collared Crow	1	0.010526	-4.55388	-0.04794	0.218293
Great Egret	3	0.031579	-3.45526	-0.10911	0.377016
Greater Coucal	1	0.010526	-4.55388	-0.04794	0.218293
Grey Heron	2	0.021053	-3.86073	-0.08128	0.313794
Little Egret	16	0.168421	-1.78129	-0.30001	0.534398
Little Grebe	6	0.063158	-2.76212	-0.17445	0.48185
Marsh Sandpiper	7	0.073684	-2.60797	-0.19217	0.501162
Total	95				
Richness	10				
SS	3.720503				
SQ	2.478314				
H	1.574266				
S²_H	0.013574				

Appendix F.2c Ecological Bird Survey Monitoring Diversity (All avifauna species in Transect Walk Method) in All Habitats (14 April 2021)

Common Name	Abundance	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
Asian Koel	5	0.02193	-3.81991	-0.08377	0.319993
Azure-winged Magpie	8	0.035088	-3.3499	-0.11754	0.393749
Chinese Bulbul	2	0.008772	-4.7362	-0.04155	0.196768
Chinese Pond Heron	45	0.197368	-1.62268	-0.32027	0.519691
Common Moorhen	9	0.039474	-3.23212	-0.12758	0.412366
Common Sandpiper	6	0.026316	-3.63759	-0.09573	0.348211
Crested Myna	20	0.087719	-2.43361	-0.21347	0.519515
Dusky Warbler	5	0.02193	-3.81991	-0.08377	0.319993
Eastern Yellow Wagtail	12	0.052632	-2.94444	-0.15497	0.456301
Eurasian Tree Sparrow	10	0.04386	-3.12676	-0.13714	0.4288
Great Egret	1	0.004386	-5.42935	-0.02381	0.129289
Greater Coucal	2	0.008772	-4.7362	-0.04155	0.196768
Grey Heron	3	0.013158	-4.33073	-0.05698	0.24678
House Swift	5	0.02193	-3.81991	-0.08377	0.319993
Japanese White-eye	3	0.013158	-4.33073	-0.05698	0.24678
Large-billed Crow	4	0.017544	-4.04305	-0.07093	0.286777
Little Grebe	6	0.026316	-3.63759	-0.09573	0.348211
Marsh Sandpiper	11	0.048246	-3.03145	-0.14625	0.443362
Masked Laughingthrush	28	0.122807	-2.09714	-0.25754	0.540105
Oriental Magpie Robin	8	0.035088	-3.3499	-0.11754	0.393749
Plain Prinia	5	0.02193	-3.81991	-0.08377	0.319993
Sooty-headed Bulbul	4	0.017544	-4.04305	-0.07093	0.286777
Spotted Dove	21	0.092105	-2.38482	-0.21965	0.523838
Wood Sandpiper	2	0.008772	-4.7362	-0.04155	0.196768
Yellow-bellied Prinia	3	0.013158	-4.33073	-0.05698	0.24678
Total	228				
Richness	25				
SS	8.641358				
SQ	7.838658				
H	2.79976				
S²_H	0.003751				

Appendix F.2d Ecological Bird Survey Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (14 April 2021)

Common Name	Abundance	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
Chinese Pond Heron	45	0.642857	-0.44183	-0.28404	0.125496
Great Egret	1	0.014286	-4.2485	-0.06069	0.257853
Greater Coucal	2	0.028571	-3.55535	-0.10158	0.361157
Grey Heron	3	0.042857	-3.14988	-0.13499	0.425218
Little Grebe	6	0.085714	-2.45674	-0.21058	0.517333
Marsh Sandpiper	11	0.157143	-1.8506	-0.29081	0.53817
Wood Sandpiper	2	0.028571	-3.55535	-0.10158	0.361157
Total	70				
Richness	7				
SS	2.586385				
SQ	1.4025				
H	1.184272				
S²_H	0.017525				

Note: T-test ($\alpha = 0.05$) which would determine the statistical variation in abundance between baseline and impact monitoring data was not conducted similar with the two-sided Hutcheson t-test to be used to bird species diversity data comparison due to incomplete data.