

Air Quality Monitoring Results

1-hour TSP Monitoring Result for

Contract No. SPW 02/2023

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		
6/05/2024	sunny	8:20	59	60	51	291	500
11/05/2024	sunny	8:03	63	65	60		
17/05/2024	sunny	8:11	62	63	58		
23/05/2024	sunny	8:26	63	65	60		
29/05/2024	sunny	9:00	60	64	58		
		Min	51				
		Max	65				
		Average	61				

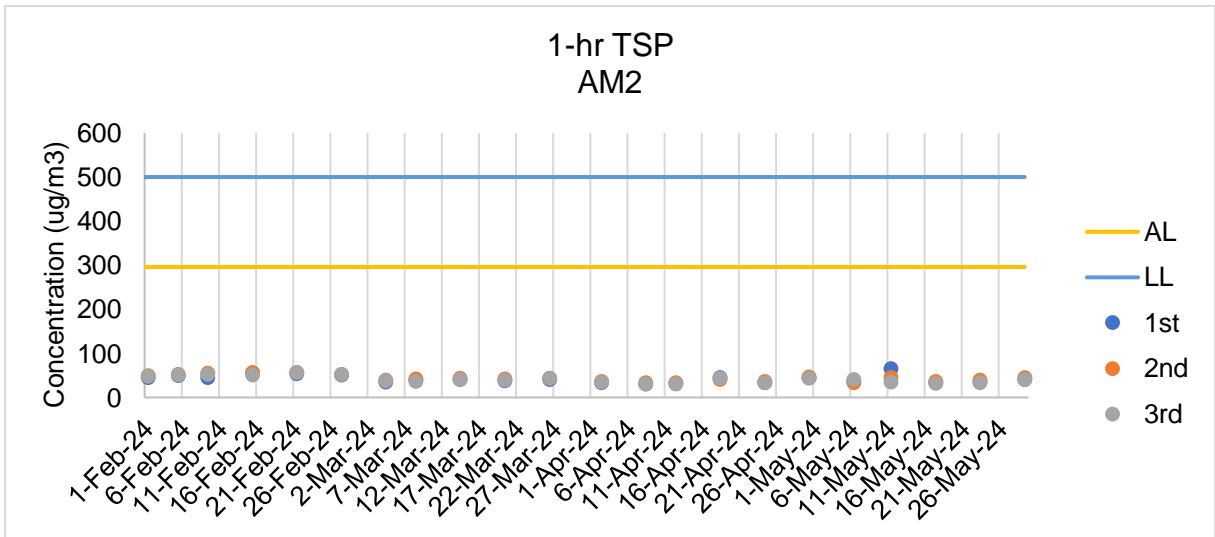
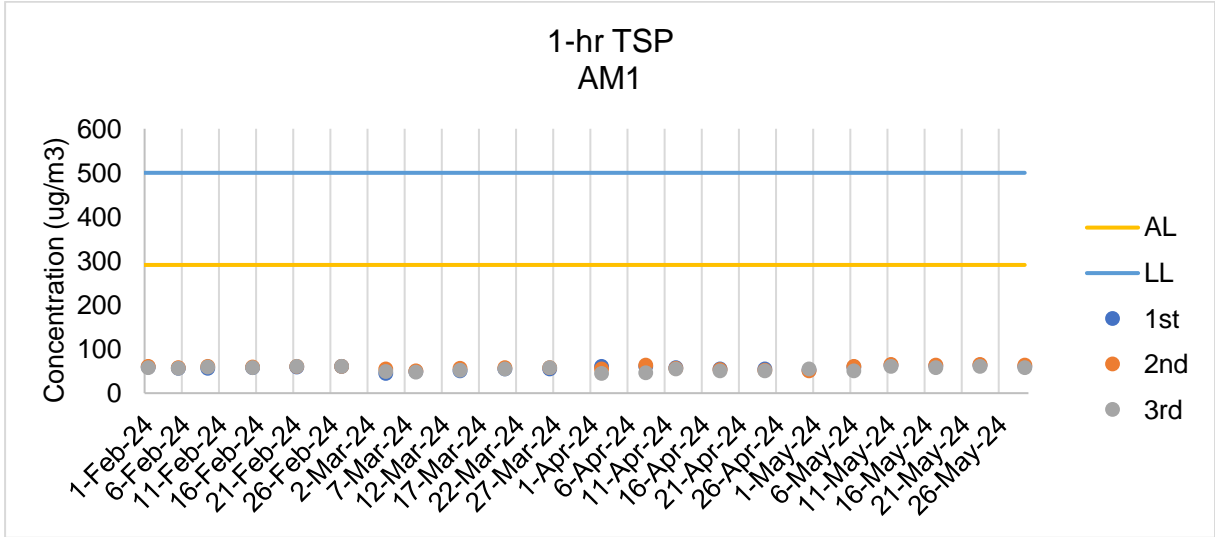
AM2 - Squatter house at the west of Yuen Long STW

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		
6/05/2024	sunny	13:09	36	33	40	296	500
11/05/2024	sunny	13:12	65	45	35		
17/05/2024	sunny	13:25	34	36	32		
23/05/2024	sunny	13:44	35	39	33		
29/05/2024	sunny	13:21	41	45	40		
		Min	32				
		Max	65				
		Average	39				

Note:

Underline: Exceedance of Action Level

Underline and Bold: Exceedance of Limit Level



Air Quality Monitoring Results

Noise Monitoring Results

**Noise Impact Monitoring Result for
Contract No. SPW 02/2023
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)
6/05/2024	9:12	60.5	62.6	58.2	0.2	sunny	75
17/05/2024	8:55	60.9	62.9	57.5	0.1	sunny	75
23/05/2024	9:03	61.5	64.2	57.5	0.9	sunny	75
29/05/2024	9:19	62.2	66.2	56.5	0.4	sunny	75
	Max	62.2					
	Min	60.5					

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)
6/05/2024	13:09	59.7	63.5	56.5	0.1	sunny	75
17/05/2024	13:25	60.8	64.5	57.8	0.2	sunny	75
23/05/2024	13:44	61.5	66.5	58.2	1.2	sunny	75
29/05/2024	13:21	63.4	67.6	60.4	0.2	sunny	75
	Max	63.4					
	Min	59.7					

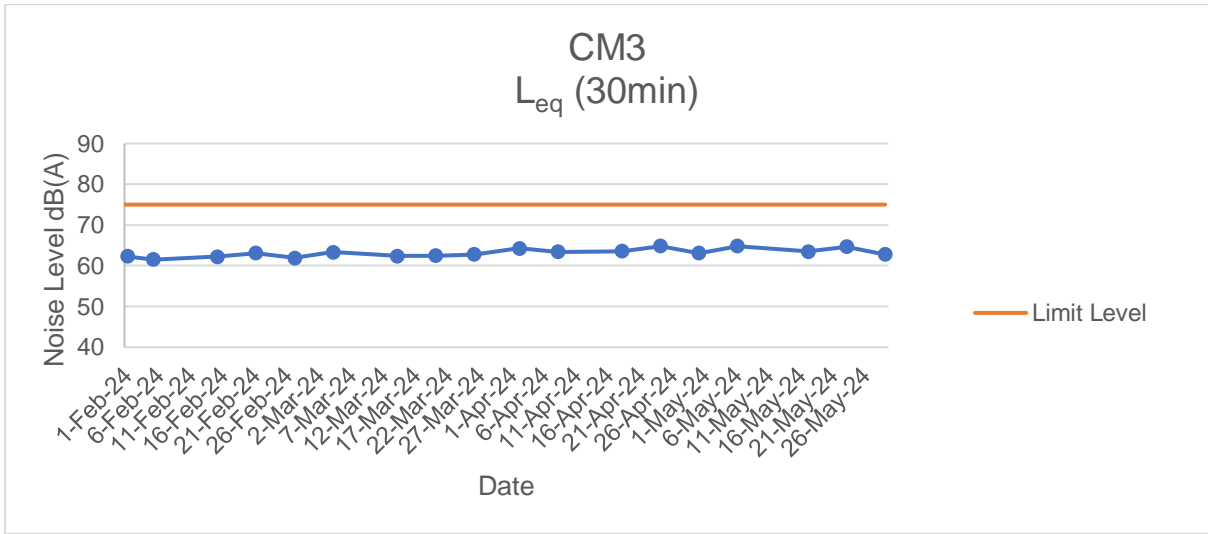
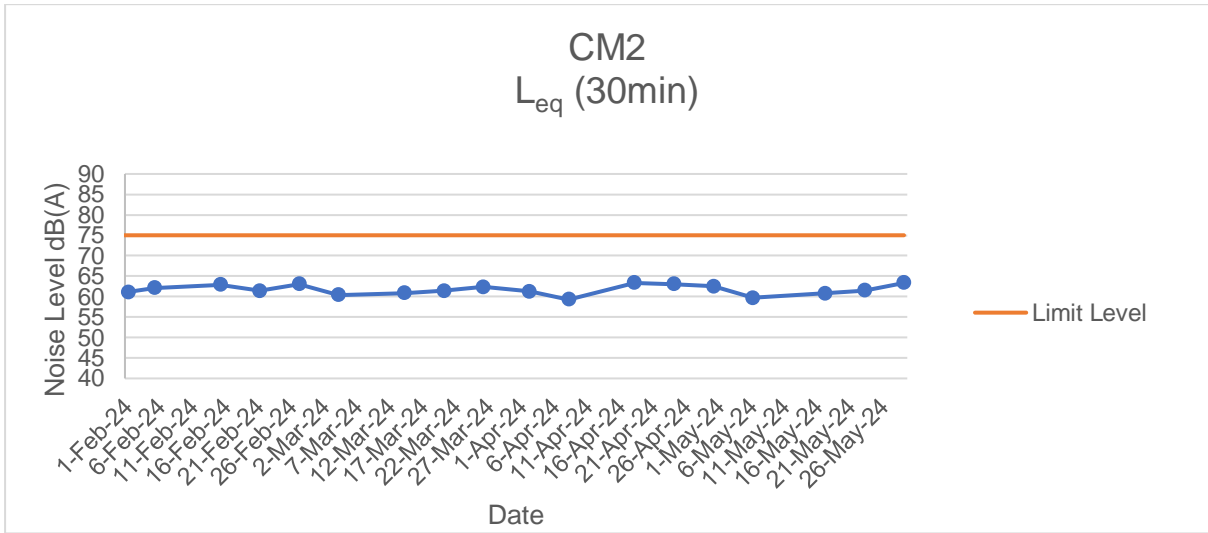
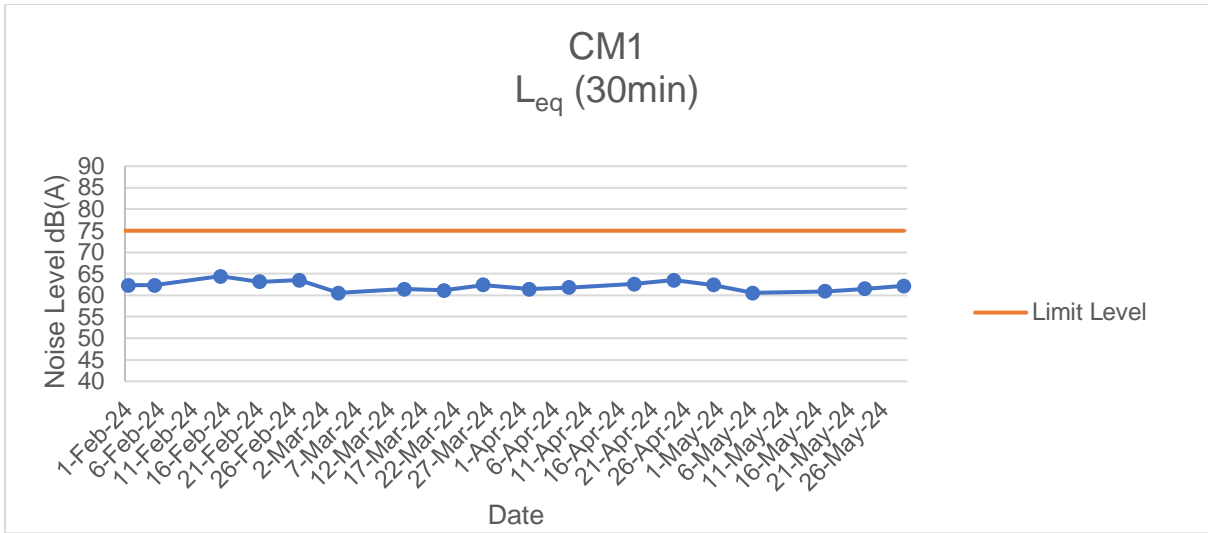
CM3 - Squatter house to the east of YLSTW

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)
6/05/2024	10:31	64.8	68.5	61.2	0.5	sunny	75
17/05/2024	10:17	63.5	67.5	60.2	0.8	sunny	75
23/05/2024	10:40	64.7	68.9	62.5	1.7	sunny	75
29/05/2024	10:54	62.8	66.2	59.5	0.6	sunny	75
	Max	64.8					
	Min	62.8					

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.



Noise Monitoring Results

Water Quality Monitoring Results

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent Polishing
Water Quality Monitoring Results

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	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	1/05/2024	Mid-Flood	Cloudy	Low	14:59	2.6	M	1.30	1	0.08	177.181	7.16	7.17	3.66	3.68	26.5	26.50	34.6	33.85	2.6	2.55	22.60	22.405	70	65
M1	1/05/2024	Mid-Flood	Cloudy	Low	14:59	2.6	M	1.30	2			7.17		3.7		26.5		33.1		2.49		22.21		60	
M2	1/05/2024	Mid-Flood	Cloudy	Low	15:24	2.2	M	1.10	1	0.091	179.727	7.15	7.15	3.45	3.42	26.5	26.50	35.9	36.11	2.7	2.72	21.30	21.48	71	66
M2	1/05/2024	Mid-Flood	Cloudy	Low	15:24	2.2	M	1.10	2			7.15		3.38		26.5		36.3		2.73		21.66		61	
M3	1/05/2024	Mid-Flood	Cloudy	Low	15:36	2.1	M	1.05	1	0.095	174.485	7.2	7.20	3.89	3.92	26.5	26.55	50.8	49.81	3.82	3.75	36.76	36.845	67	66
M3	1/05/2024	Mid-Flood	Cloudy	Low	15:36	2.1	M	1.05	2			7.19		3.95		26.6		48.8		3.67		36.93		65	
M1	1/05/2024	Mid-Ebb	Cloudy	Low	13:18	2.5	M	1.25	1	0.077	319.823	7.15	7.16	3.25	3.21	26.3	26.30	34.0	33.25	2.56	2.50	19.90	19.82	58	57
M1	1/05/2024	Mid-Ebb	Cloudy	Low	13:19	2.5	M	1.25	2			7.17		3.17		26.3		32.5		2.44		19.74		55	
M2	1/05/2024	Mid-Ebb	Cloudy	Low	12:48	2	M	1.00	1	0.067	342.664	7.18	7.18	3.34	3.31	26.3	26.35	37.4	37.31	2.81	2.81	18.55	18.54	64	69
M2	1/05/2024	Mid-Ebb	Cloudy	Low	12:49	2	M	1.00	2			7.18		3.28		26.4		37.2		2.8		18.53		74	
M3	1/05/2024	Mid-Ebb	Cloudy	Low	13:36	1.7	M	0.85	1	0.063	338.859	7.19	7.19	3.77	3.81	26.3	26.35	50.0	49.61	3.76	3.73	34.43	34.27	60	51
M3	1/05/2024	Mid-Ebb	Cloudy	Low	13:37	1.7	M	0.85	2			7.19		3.84		26.4		49.2		3.7		34.11		41	

Remark

1. Orange and Bold: Action Level Exceedance (For Impact Station Only)
2. Red and Bold: Limit Level Exceedance (For Impact Station Only)
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.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	71.7	77.675

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent Polishing
Water Quality Monitoring Results

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	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	3/05/2024	Mid-Flood	Sunny	Low	10:00	2.4	M	1.20	1	0.08	164.92	7.2	7.21	3.50	3.47	26.1	26.10	33.9	34.05	2.55	2.56	26.44	26.325	19	21
M1	3/05/2024	Mid-Flood	Sunny	Low	10:00	2.4	M	1.20	2			7.22		3.44		26.1		34.2		2.57		26.21		23	
M2	3/05/2024	Mid-Flood	Sunny	Low	10:33	1.9	M	0.95	1	0.083	163.909	7.19	7.20	3.67	3.71	26.1	26.10	35.4	34.98	2.66	2.63	27.88	28.055	18	18
M2	3/05/2024	Mid-Flood	Sunny	Low	10:34	1.9	M	0.95	2			7.21		3.74		26.1		34.6		2.6		28.23		17	
M3	3/05/2024	Mid-Flood	Sunny	Low	10:48	1.8	M	0.90	1	0.094	186.321	7.14	7.14	4.11	4.15	26.1	26.15	46.3	46.55	3.48	3.50	33.28	33.25	14	16
M3	3/05/2024	Mid-Flood	Sunny	Low	10:48	1.8	M	0.90	2			7.13		4.19		26.2		46.8		3.52		33.22		18	
M1	3/05/2024	Mid-Ebb	Sunny	Low	15:20	2.3	M	1.15	1	0.071	318.12	7.13	7.14	2.98	2.99	25.9	25.95	35.5	35.64	2.67	2.68	26.51	26.625	19	17
M1	3/05/2024	Mid-Ebb	Sunny	Low	15:22	2.3	M	1.15	2			7.15		3		26.0		35.8		2.69		26.74		15	
M2	3/05/2024	Mid-Ebb	Sunny	Low	14:52	2	M	1.00	1	0.058	329.632	7.18	7.19	3.35	3.36	25.9	25.95	36.8	35.91	2.77	2.70	25.40	25.575	18	17
M2	3/05/2024	Mid-Ebb	Sunny	Low	14:53	2	M	1.00	2			7.2		3.37		26.0		35.0		2.63		25.75		15	
M3	3/05/2024	Mid-Ebb	Sunny	Low	15:33	1.8	M	0.90	1	0.075	330.114	7.14	7.13	3.88	3.85	25.9	25.90	42.0	41.10	3.16	3.09	32.33	32.42	13	12
M3	3/05/2024	Mid-Ebb	Sunny	Low	15:34	1.8	M	0.90	2			7.12		3.81		25.9		40.2		3.02		32.51		11	

Remark

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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.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent Polishing
Water Quality Monitoring Results

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	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	6/05/2024	Mid-Flood	Cloudy	Low	12:08	2.6	M	1.30	1	0.091	163.226	7.16	7.17	3.68	3.69	27.1	27.10	38.0	37.71	2.86	2.84	16.88	16.83	59	58
M1	6/05/2024	Mid-Flood	Cloudy	Low	12:08	2.6	M	1.30	2			7.17		3.7		27.1		37.4		2.81		16.78		56	
M2	6/05/2024	Mid-Flood	Cloudy	Low	12:46	2.1	M	1.05	1	0.08	171.447	7.11	7.12	3.77	3.81	27.1	27.15	36.8	36.44	2.77	2.74	15.80	15.66	51	51
M2	6/05/2024	Mid-Flood	Cloudy	Low	12:47	2.1	M	1.05	2			7.12		3.85		27.2		36.0		2.71		15.52		51	
M3	6/05/2024	Mid-Flood	Cloudy	Low	12:55	2	M	1.00	1	0.078	184.706	7.18	7.18	4.12	4.09	27.1	27.15	49.6	49.48	3.73	3.72	30.12	30.12	56	55
M3	6/05/2024	Mid-Flood	Cloudy	Low	12:55	2	M	1.00	2			7.17		4.05		27.2		49.3		3.71		30.12		54	
M1	6/05/2024	Mid-Ebb	Cloudy	Low	18:21	2.4	M	1.20	1	0.066	313.355	7.15	7.15	3.33	3.37	26.8	26.80	34.8	34.58	2.62	2.60	16.97	17.095	49	51
M1	6/05/2024	Mid-Ebb	Cloudy	Low	18:21	2.4	M	1.20	2			7.14		3.4		26.8		34.3		2.58		17.22		52	
M2	6/05/2024	Mid-Ebb	Cloudy	Low	18:00	1.8	M	0.90	1	0.073	315.548	7.12	7.13	3.65	3.64	26.8	26.80	34.2	33.45	2.57	2.52	17.05	17.055	54	56
M2	6/05/2024	Mid-Ebb	Cloudy	Low	18:00	1.8	M	0.90	2			7.14		3.63		26.8		32.7		2.46		17.06		57	
M3	6/05/2024	Mid-Ebb	Cloudy	Low	18:35	1.8	M	0.90	1	0.078	302.121	7.15	7.14	4.44	4.42	26.8	26.85	45.1	44.69	3.39	3.36	31.22	31.15	42	36
M3	6/05/2024	Mid-Ebb	Cloudy	Low	18:35	1.8	M	0.90	2			7.13		4.4		26.9		44.3		3.33		31.08		30	

Remark

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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.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent Polishing
Water Quality Monitoring Results

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	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	8/05/2024	Mid-Flood	Cloudy	Low	13:15	2.8	M	1.40	1	0.074	165.604	7.11	7.11	2.67	2.64	26.5	26.55	33.6	34.25	2.53	2.58	21.54	21.6	27	30
M1	8/05/2024	Mid-Flood	Cloudy	Low	13:15	2.8	M	1.40	2			7.1		2.6		26.6		34.8		2.62		21.66		33	
M2	8/05/2024	Mid-Flood	Cloudy	Low	13:41	2.4	M	1.20	1	0.085	183.543	7.08	7.09	2.81	2.81	26.5	26.55	36.0	36.24	2.71	2.73	20.63	20.63	47	43
M2	8/05/2024	Mid-Flood	Cloudy	Low	13:42	2.4	M	1.20	2			7.09		2.8		26.6		36.4		2.74		20.63		38	
M3	8/05/2024	Mid-Flood	Cloudy	Low	13:52	2.2	M	1.10	1	0.081	177.928	7.12	7.11	3.11	3.14	26.5	26.55	47.6	48.28	3.58	3.63	36.66	36.715	38	34
M3	8/05/2024	Mid-Flood	Cloudy	Low	13:53	2.2	M	1.10	2			7.1		3.17		26.6		48.9		3.68		36.77		29	
M1	8/05/2024	Mid-Ebb	Cloudy	Low	18:28	2.6	M	1.30	1	0.079	324.568	7.07	7.08	2.58	2.61	26.0	26.00	33.9	34.58	2.55	2.60	21.88	21.73	32	33
M1	8/05/2024	Mid-Ebb	Cloudy	Low	18:29	2.6	M	1.30	2			7.08		2.64		26.0		35.2		2.65		21.58		33	
M2	8/05/2024	Mid-Ebb	Cloudy	Low	18:00	2.1	M	1.05	1	0.075	309.668	7.08	7.09	2.46	2.45	26.0	26.05	35.1	34.25	2.64	2.58	22.74	22.8	29	34
M2	8/05/2024	Mid-Ebb	Cloudy	Low	18:00	2.1	M	1.05	2			7.09		2.44		26.1		33.4		2.51		22.86		38	
M3	8/05/2024	Mid-Ebb	Cloudy	Low	18:37	2	M	1.00	1	0.069	332.765	7.1	7.09	2.96	2.95	26.0	26.00	50.3	50.81	3.78	3.82	36.62	36.6	39	44
M3	8/05/2024	Mid-Ebb	Cloudy	Low	18:37	2	M	1.00	2			7.08		2.94		26.0		51.3		3.86		36.58		48	

Remark

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2. Red and Bold: Limit Level Exceedance (For Impact Station Only)
3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day.
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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.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent Polishing
Water Quality Monitoring Results

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	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	10/05/2024	Mid-Flood	Cloudy	Low	14:36	2.5	M	1.25	1	0.091	179.774	7.22	7.23	3.65	3.61	26.9	26.95	37.5	36.51	2.82	2.75	26.11	26.015	25	29
M1	10/05/2024	Mid-Flood	Cloudy	Low	14:36	2.5	M	1.25	2			7.23		3.57		27		35.5		2.67		25.92		32	
M2	10/05/2024	Mid-Flood	Cloudy	Low	14:59	2.2	M	1.10	1	0.089	163.42	7.18	7.19	3.72	3.76	26.9	26.90	33.6	32.92	2.53	2.48	25.48	25.56	30	32
M2	10/05/2024	Mid-Flood	Cloudy	Low	15:00	2.2	M	1.10	2			7.19		3.79		26.9		32.2		2.42		25.64		33	
M3	10/05/2024	Mid-Flood	Cloudy	Low	15:11	2.1	M	1.05	1	0.083	175.306	7.19	7.18	3.89	3.94	26.9	26.95	49.1	50.14	3.69	3.77	32.66	32.825	25	27
M3	10/05/2024	Mid-Flood	Cloudy	Low	15:11	2.1	M	1.05	2			7.17		3.98		27		51.2		3.85		32.99		28	
M1	10/05/2024	Mid-Ebb	Cloudy	Low	9:49	2.4	M	1.20	1	0.073	315.965	7.16	7.17	4.01	4.05	27.0	27.00	35.2	34.25	2.65	2.58	18.90	18.955	36	36
M1	10/05/2024	Mid-Ebb	Cloudy	Low	9:50	2.4	M	1.20	2			7.18		4.09		27.0		33.3		2.5		19.01		36	
M2	10/05/2024	Mid-Ebb	Cloudy	Low	9:25	2.1	M	1.05	1	0.071	304.54	7.18	7.18	3.69	3.67	27.0	27.00	36.7	36.31	2.76	2.73	17.55	17.6	48	47
M2	10/05/2024	Mid-Ebb	Cloudy	Low	9:26	2.1	M	1.05	2			7.18		3.65		27.0		35.9		2.7		17.65		46	
M3	10/05/2024	Mid-Ebb	Cloudy	Low	9:57	2	M	1.00	1	0.069	326.158	7.19	7.20	4.42	4.43	27.0	27.00	50.1	50.54	3.77	3.80	30.24	30.095	42	45
M3	10/05/2024	Mid-Ebb	Cloudy	Low	9:58	2	M	1.00	2			7.2		4.44		27.0		50.9		3.83		29.95		48	

Remark

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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.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent Polishing
Water Quality Monitoring Results

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	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	13/05/2024	Mid-Flood	Cloudy	Low	16:41	2.4	M	1.20	1	0.084	190.523	7.17	7.18	2.49	2.48	26.6	26.65	34.6	35.25	2.6	2.65	16.52	16.675	55	50
M1	13/05/2024	Mid-Flood	Cloudy	Low	16:41	2.4	M	1.20	2			7.18		2.46		26.7		35.9		2.7		16.83		45	
M2	13/05/2024	Mid-Flood	Cloudy	Low	17:11	2	M	1.00	1	0.078	182.208	7.13	7.12	2.47	2.46	26.6	26.65	33.9	32.98	2.55	2.48	15.60	15.47	47	50
M2	13/05/2024	Mid-Flood	Cloudy	Low	17:12	2	M	1.00	2			7.11		2.45		26.7		32.1		2.41		15.34		53	
M3	13/05/2024	Mid-Flood	Cloudy	Low	17:27	1.9	M	0.95	1	0.081	184.363	7.13	7.13	2.66	2.62	26.6	26.60	45.4	45.15	3.41	3.40	28.44	28.53	77	64
M3	13/05/2024	Mid-Flood	Cloudy	Low	17:28	1.9	M	0.95	2			7.12		2.57		26.6		45.0		3.38		28.62		51	
M1	13/05/2024	Mid-Ebb	Cloudy	Low	9:30	2.5	M	1.25	1	0.071	302.911	7.17	7.17	2.29	2.25	26.3	26.30	36.6	36.31	2.75	2.73	15.53	15.69	55	57
M1	13/05/2024	Mid-Ebb	Cloudy	Low	9:30	2.5	M	1.25	2			7.16		2.21		26.3		36.0		2.71		15.85		58	
M2	13/05/2024	Mid-Ebb	Cloudy	Low	8:52	2	M	1.00	1	0.067	317.467	7.11	7.12	2.32	2.30	26.3	26.30	33.5	34.05	2.52	2.56	14.91	14.865	58	54
M2	13/05/2024	Mid-Ebb	Cloudy	Low	8:53	2	M	1.00	2			7.12		2.27		26.3		34.6		2.6		14.82		50	
M3	13/05/2024	Mid-Ebb	Cloudy	Low	9:41	1.8	M	0.90	1	0.081	302.168	7.2	7.21	2.83	2.81	26.3	26.30	45.1	45.82	3.39	3.45	26.38	26.355	74	63
M3	13/05/2024	Mid-Ebb	Cloudy	Low	9:41	1.8	M	0.90	2			7.22		2.78		26.3		46.6		3.5		26.33		51	

Remark

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For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	69.9	75.725

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent Polishing
Water Quality Monitoring Results

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	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	15/05/2024	Mid-Flood	Sunny	Low	14:42	2.5	M	1.25	1	0.077	184.68	7.21	7.22	2.96	2.94	27.1	27.15	34.0	33.25	2.56	2.50	22.68	22.705	44	46
M1	15/05/2024	Mid-Flood	Sunny	Low	14:43	2.5	M	1.25	2			7.23		2.92		27.2		32.5		2.44		22.73		48	
M2	15/05/2024	Mid-Flood	Sunny	Low	15:08	2.1	M	1.05	1	0.08	183.594	7.16	7.17	3.05	3.02	27.1	27.15	35.4	34.51	2.66	2.60	23.10	23.275	47	48
M2	15/05/2024	Mid-Flood	Sunny	Low	15:09	2.1	M	1.05	2			7.18		2.99		27.2		33.6		2.53		23.45		49	
M3	15/05/2024	Mid-Flood	Sunny	Low	15:20	2	M	1.00	1	0.074	168.627	7.21	7.22	3.45	3.48	27.1	27.15	46.3	46.68	3.48	3.51	33.36	33.33	64	60
M3	15/05/2024	Mid-Flood	Sunny	Low	15:20	2	M	1.00	2			7.23		3.51		27.2		47.1		3.54		33.3		56	
M1	15/05/2024	Mid-Ebb	Sunny	Low	12:58	2.6	M	1.30	1	0.065	342.767	7.18	7.19	2.88	2.84	26.9	26.90	35.1	34.98	2.64	2.63	21.83	21.86	54	56
M1	15/05/2024	Mid-Ebb	Sunny	Low	12:58	2.6	M	1.30	2			7.19		2.79		26.9		34.8		2.62		21.89		58	
M2	15/05/2024	Mid-Ebb	Sunny	Low	12:31	2.1	M	1.05	1	0.059	315.978	7.16	7.17	3.08	3.07	26.9	26.95	36.2	36.11	2.72	2.72	20.61	20.45	48	52
M2	15/05/2024	Mid-Ebb	Sunny	Low	12:31	2.1	M	1.05	2			7.18		3.06		27.0		36.0		2.71		20.29		55	
M3	15/05/2024	Mid-Ebb	Sunny	Low	13:13	2	M	1.00	1	0.071	316.938	7.15	7.14	3.66	3.67	26.9	26.90	47.5	47.48	3.57	3.57	30.85	30.975	45	43
M3	15/05/2024	Mid-Ebb	Sunny	Low	13:14	2	M	1.00	2			7.13		3.68		26.9		47.5		3.57		31.1		40	

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6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent Polishing
Water Quality Monitoring Results

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	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	17/05/2024	Mid-Flood	Cloudy	Low	9:41	2.5	M	1.25	1	0.076	176.805	7.15	7.14	3.48	3.51	26.3	26.35	37.2	37.04	2.8	2.79	15.50	15.55	40	39
M1	17/05/2024	Mid-Flood	Cloudy	Low	9:41	2.5	M	1.25	2			7.13		3.53		26.4		36.8		2.77		15.6		37	
M2	17/05/2024	Mid-Flood	Cloudy	Low	10:18	2.1	M	1.05	1	0.091	190.703	7.16	7.15	3.58	3.58	26.3	26.35	37.9	38.37	2.85	2.89	14.74	14.54	43	42
M2	17/05/2024	Mid-Flood	Cloudy	Low	10:18	2.1	M	1.05	2			7.14		3.58		26.4		38.8		2.92		14.34		40	
M3	17/05/2024	Mid-Flood	Cloudy	Low	10:25	2	M	1.00	1	0.094	190.576	7.16	7.17	4.04	4.08	26.3	26.35	48.3	48.81	3.63	3.67	28.11	28.28	36	35
M3	17/05/2024	Mid-Flood	Cloudy	Low	10:25	2	M	1.00	2			7.17		4.11		26.4		49.3		3.71		28.45		33	
M1	17/05/2024	Mid-Ebb	Cloudy	Low	15:09	2.4	M	1.20	1	0.059	312.972	7.14	7.14	3.99	4.03	28.6	28.60	36.8	37.24	2.77	2.80	16.69	16.67	38	37
M1	17/05/2024	Mid-Ebb	Cloudy	Low	15:10	2.4	M	1.20	2			7.14		4.06		28.6		37.6		2.83		16.65		36	
M2	17/05/2024	Mid-Ebb	Cloudy	Low	14:43	2.2	M	1.10	1	0.073	308.944	7.12	7.12	3.87	3.87	26.1	26.15	34.3	33.72	2.58	2.54	15.71	15.6	44	41
M2	17/05/2024	Mid-Ebb	Cloudy	Low	14:44	2.2	M	1.10	2			7.11		3.87		26.2		33.1		2.49		15.49		37	
M3	17/05/2024	Mid-Ebb	Cloudy	Low	15:28	1.9	M	0.95	1	0.063	329.93	7.2	7.21	4.58	4.56	26.1	26.15	52.4	52.47	3.94	3.95	26.53	26.71	64	63
M3	17/05/2024	Mid-Ebb	Cloudy	Low	15:28	1.9	M	0.95	2			7.21		4.54		26.2		52.5		3.95		26.89		62	

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For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	62.1	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent Polishing
Water Quality Monitoring Results

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	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	20/05/2024	Mid-Flood	Sunny	Low	11:23	2.5	M	1.25	1	0.083	190.678	7.18	7.18	2.68	2.66	26.8	26.80	34.0	33.58	2.56	2.53	21.81	21.985	20	22
M1	20/05/2024	Mid-Flood	Sunny	Low	11:23	2.5	M	1.25	2			7.17		2.63		26.8		33.1		2.49		22.16		24	
M2	20/05/2024	Mid-Flood	Sunny	Low	11:58	2.1	M	1.05	1	0.082	165.402	7.12	7.13	2.49	2.49	26.8	26.85	35.0	34.85	2.63	2.62	22.78	22.72	22	24
M2	20/05/2024	Mid-Flood	Sunny	Low	11:58	2.1	M	1.05	2			7.14		2.48		26.9		34.7		2.61		22.66		25	
M3	20/05/2024	Mid-Flood	Sunny	Low	12:09	2	M	1.00	1	0.092	172.942	7.11	7.12	2.32	2.28	26.8	26.85	45.1	44.89	3.39	3.38	32.44	32.345	21	22
M3	20/05/2024	Mid-Flood	Sunny	Low	12:09	2	M	1.00	2			7.12		2.24		26.9		44.7		3.36		32.25		23	
M1	20/05/2024	Mid-Ebb	Sunny	Low	18:13	2.5	M	1.25	1	0.071	327.371	7.15	7.14	3.34	3.34	26.3	26.30	36.4	36.84	2.74	2.77	23.80	23.745	28	28
M1	20/05/2024	Mid-Ebb	Sunny	Low	18:13	2.5	M	1.25	2			7.13		3.34		26.3		37.2		2.8		23.69		27	
M2	20/05/2024	Mid-Ebb	Sunny	Low	17:41	2	M	1.00	1	0.077	320.159	7.13	7.14	3.29	3.26	26.3	26.30	34.6	34.05	2.6	2.56	23.90	23.78	23	23
M2	20/05/2024	Mid-Ebb	Sunny	Low	17:41	2	M	1.00	2			7.14		3.23		26.3		33.5		2.52		23.66		23	
M3	20/05/2024	Mid-Ebb	Sunny	Low	18:28	1.8	M	0.90	1	0.074	339.739	7.12	7.11	3.37	3.36	26.3	26.35	47.2	47.08	3.55	3.54	33.65	33.725	31	30
M3	20/05/2024	Mid-Ebb	Sunny	Low	18:28	1.8	M	0.90	2			7.1		3.34		26.4		46.9		3.53		33.8		28	

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For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent Polishing
Water Quality Monitoring Results

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	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	22/05/2024	Mid-Flood	Cloudy	Low	12:27	2.6	M	1.30	1	0.084	177.159	7.16	7.17	4.10	4.12	27.1	27.10	32.7	32.25	2.46	2.43	24.42	24.42	7	8
M1	22/05/2024	Mid-Flood	Cloudy	Low	12:27	2.6	M	1.30	2			7.18		4.14		27.1		31.8		2.39		24.42		9	
M2	22/05/2024	Mid-Flood	Cloudy	Low	12:58	2.3	M	1.15	1	0.074	169.287	7.2	7.20	3.89	3.90	27.1	27.10	34.8	34.58	2.62	2.60	23.55	23.575	10	12
M2	22/05/2024	Mid-Flood	Cloudy	Low	12:58	2.3	M	1.15	2			7.2		3.91		27.1		34.3		2.58		23.6		13	
M3	22/05/2024	Mid-Flood	Cloudy	Low	13:05	2.1	M	1.05	1	0.091	161.743	7.22	7.22	4.93	4.89	27.1	27.15	48.5	48.21	3.65	3.63	31.80	31.945	7	9
M3	22/05/2024	Mid-Flood	Cloudy	Low	13:05	2.1	M	1.05	2			7.22		4.85		27.2		47.9		3.6		32.09		11	
M1	22/05/2024	Mid-Ebb	Cloudy	Low	17:39	2.4	M	1.20	1	0.081	325.155	7.15	7.16	3.88	3.92	26.6	26.65	37.4	37.37	2.81	2.81	23.36	23.39	6	8
M1	22/05/2024	Mid-Ebb	Cloudy	Low	17:39	2.4	M	1.20	2			7.17		3.95		26.7		37.4		2.81		23.42		10	
M2	22/05/2024	Mid-Ebb	Cloudy	Low	17:15	2	M	1.00	1	0.059	334.457	7.12	7.12	3.69	3.73	26.6	26.60	36.2	36.18	2.72	2.72	22.69	22.6	9	9
M2	22/05/2024	Mid-Ebb	Cloudy	Low	17:15	2	M	1.00	2			7.12		3.77		26.6		36.2		2.72		22.51		8	
M3	22/05/2024	Mid-Ebb	Cloudy	Low	17:54	1.8	M	0.90	1	0.075	325.217	7.23	7.23	5.07	5.07	26.6	26.65	48.8	49.14	3.67	3.70	32.55	32.36	9	8
M3	22/05/2024	Mid-Ebb	Cloudy	Low	17:54	1.8	M	0.90	2			7.23		5.06		26.7		49.5		3.72		32.17		6	

Remark

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For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent Polishing
Water Quality Monitoring Results

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	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	24/05/2024	Mid-Flood	Cloudy	Low	13:43	2.8	M	1.40	1	0.079	166.775	7.18	7.19	3.38	3.43	26.5	26.50	36.4	35.78	2.74	2.69	16.55	16.49	31	32
M1	24/05/2024	Mid-Flood	Cloudy	Low	13:43	2.8	M	1.40	2			7.19		3.47		26.5		35.1		2.64		16.43		33	
M2	24/05/2024	Mid-Flood	Cloudy	Low	14:05	2.2	M	1.10	1	0.095	170.914	7.2	7.20	3.55	3.58	26.5	26.50	37.6	37.24	2.83	2.80	16.84	16.68	37	36
M2	24/05/2024	Mid-Flood	Cloudy	Low	14:05	2.2	M	1.10	2			7.2		3.61		26.5		36.8		2.77		16.52		35	
M3	24/05/2024	Mid-Flood	Cloudy	Low	14:18	2.1	M	1.05	1	0.091	186.158	7.16	7.17	3.82	3.86	26.5	26.55	48.8	48.21	3.67	3.63	32.89	32.675	31	37
M3	24/05/2024	Mid-Flood	Cloudy	Low	14:18	2.1	M	1.05	2			7.18		3.89		26.6		47.6		3.58		32.46		42	
M1	24/05/2024	Mid-Ebb	Cloudy	Low	9:01	2.7	M	1.35	1	0.076	300.401	7.19	7.18	3.48	3.48	28.9	28.95	35.4	35.18	2.66	2.65	17.70	17.635	35	37
M1	24/05/2024	Mid-Ebb	Cloudy	Low	9:02	2.7	M	1.35	2			7.17		3.47		29.0		35.0		2.63		17.57		39	
M2	24/05/2024	Mid-Ebb	Cloudy	Low	8:35	2.1	M	1.05	1	0.065	332.756	7.15	7.15	3.40	3.37	26.1	26.10	37.0	37.11	2.78	2.79	18.60	18.53	41	41
M2	24/05/2024	Mid-Ebb	Cloudy	Low	8:36	2.1	M	1.05	2			7.15		3.34		26.1		37.2		2.8		18.46		40	
M3	24/05/2024	Mid-Ebb	Cloudy	Low	9:16	2	M	1.00	1	0.072	315.517	7.23	7.23	4.06	4.02	26.1	26.15	48.1	48.68	3.62	3.66	33.45	33.4	46	45
M3	24/05/2024	Mid-Ebb	Cloudy	Low	9:17	2	M	1.00	2			7.23		3.97		26.2		49.2		3.7		33.35		44	

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6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent Polishing
Water Quality Monitoring Results

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	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	27/05/2024	Mid-Flood	Cloudy	Low	15:48	2.8	M	1.40	1	0.092	174.529	7.21	7.22	3.68	3.66	26.1	26.15	38.2	37.57	2.87	2.83	18.11	18.215	17	18
M1	27/05/2024	Mid-Flood	Cloudy	Low	15:48	2.8	M	1.40	2			7.22		3.64		26.2		37.0		2.78		18.32			
M2	27/05/2024	Mid-Flood	Cloudy	Low	16:25	2.4	M	1.20	1	0.087	187.7	7.22	7.23	3.79	3.78	26.1	26.15	39.4	39.70	2.96	2.99	18.67	18.685	24	21
M2	27/05/2024	Mid-Flood	Cloudy	Low	16:25	2.4	M	1.20	2			7.23		3.76		26.2		40.0		3.01		18.7			
M3	27/05/2024	Mid-Flood	Cloudy	Low	16:39	2.1	M	1.05	1	0.077	162.427	7.24	7.25	4.21	4.22	26.1	26.10	50.1	49.28	3.77	3.71	29.51	29.555	15	16
M3	27/05/2024	Mid-Flood	Cloudy	Low	16:39	2.1	M	1.05	2			7.25		4.23		26.1		48.4		3.64		29.6			
M1	27/05/2024	Mid-Ebb	Cloudy	Low	8:51	2.6	M	1.30	1	0.066	334.013	7.21	7.21	3.81	3.80	25.8	25.85	36.0	36.24	2.71	2.73	19.36	19.39	20	22
M1	27/05/2024	Mid-Ebb	Cloudy	Low	8:51	2.6	M	1.30	2			7.2		3.79		25.9		36.4		2.74		19.42			
M2	27/05/2024	Mid-Ebb	Cloudy	Low	8:18	2.3	M	1.15	1	0.063	331.323	7.19	7.20	3.97	3.93	25.8	25.85	35.5	34.71	2.67	2.61	20.25	20.11	22	19
M2	27/05/2024	Mid-Ebb	Cloudy	Low	8:19	2.3	M	1.15	2			7.21		3.88		25.9		33.9		2.55		19.97			
M3	27/05/2024	Mid-Ebb	Cloudy	Low	9:01	2	M	1.00	1	0.072	317.431	7.25	7.25	4.40	4.41	25.8	25.85	51.7	51.34	3.89	3.86	30.68	30.705	20	20
M3	27/05/2024	Mid-Ebb	Cloudy	Low	9:01	2	M	1.00	2			7.24		4.42		25.9		50.9		3.83		30.73			

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For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent Polishing
Water Quality Monitoring Results

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	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	29/05/2024	Mid-Flood	Cloudy	Low	17:26	2.7	M	1.35	1	0.084	164.213	7.18	7.17	2.58	2.62	26.1	26.15	38.2	37.44	2.87	2.82	24.70	24.49	16	15
M1	29/05/2024	Mid-Flood	Cloudy	Low	17:26	2.7	M	1.35	2			7.16		2.66		26.2		36.7		2.76		24.28		14	
M2	29/05/2024	Mid-Flood	Cloudy	Low	17:55	2.3	M	1.15	1	0.089	168.034	7.2	7.21	2.68	2.65	25.9	25.90	36.8	36.91	2.77	2.78	23.56	23.585	15	16
M2	29/05/2024	Mid-Flood	Cloudy	Low	17:55	2.3	M	1.15	2			7.22		2.62		25.9		37.0		2.78		23.61		16	
M3	29/05/2024	Mid-Flood	Cloudy	Low	18:02	2.1	M	1.05	1	0.086	170.076	7.24	7.24	2.77	2.76	25.9	25.90	48.4	48.08	3.64	3.62	31.69	31.81	17	16
M3	29/05/2024	Mid-Flood	Cloudy	Low	18:02	2.1	M	1.05	2			7.24		2.74		25.9		47.7		3.59		31.93		14	
M1	29/05/2024	Mid-Ebb	Cloudy	Low	10:26	2.6	M	1.30	1	0.068	309.051	7.19	7.18	2.36	2.36	25.8	25.85	34.4	33.65	2.59	2.53	21.84	21.825	16	15
M1	29/05/2024	Mid-Ebb	Cloudy	Low	10:26	2.6	M	1.30	2			7.17		2.35		25.9		32.9		2.47		21.81		14	
M2	29/05/2024	Mid-Ebb	Cloudy	Low	9:55	2.2	M	1.10	1	0.073	344.242	7.21	7.22	2.29	2.27	25.8	25.80	37.5	37.71	2.82	2.84	23.67	23.45	15	17
M2	29/05/2024	Mid-Ebb	Cloudy	Low	9:55	2.2	M	1.10	2			7.23		2.25		25.8		37.9		2.85		23.23		18	
M3	29/05/2024	Mid-Ebb	Cloudy	Low	10:38	2	M	1.00	1	0.064	315.513	7.26	7.27	2.29	2.25	25.8	25.85	50.9	51.27	3.83	3.86	30.78	30.805	15	15
M3	29/05/2024	Mid-Ebb	Cloudy	Low	10:38	2	M	1.00	2			7.27		2.21		25.9		51.6		3.88		30.83		15	

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For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent Polishing
Water Quality Monitoring Results

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	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	31/05/2024	Mid-Flood	Cloudy	Low	8:14	2.6	M	1.30	1	0.089	191.112	7.24	7.25	3.80	3.83	25.9	25.90	36.7	37.04	2.76	2.79	16.44	16.595	22	23
M1	31/05/2024	Mid-Flood	Cloudy	Low	8:15	2.6	M	1.30	2			7.25		3.86		25.9		37.4		2.81		16.75		24	
M2	31/05/2024	Mid-Flood	Cloudy	Low	8:49	2.2	M	1.10	1	0.09	162.553	7.21	7.21	3.88	3.87	25.9	25.95	35.5	34.58	2.67	2.60	17.38	17.47	24	29
M2	31/05/2024	Mid-Flood	Cloudy	Low	8:50	2.2	M	1.10	2			7.2		3.85		26		33.6		2.53		17.56		33	
M3	31/05/2024	Mid-Flood	Cloudy	Low	9:01	2	M	1.00	1	0.076	184.054	7.28	7.27	4.21	4.25	25.9	25.95	48.0	48.15	3.61	3.62	29.55	29.38	27	26
M3	31/05/2024	Mid-Flood	Cloudy	Low	9:01	2	M	1.00	2			7.26		4.28		26		48.3		3.63		29.21		24	
M1	31/05/2024	Mid-Ebb	Cloudy	Low	13:28	2.5	M	1.25	1	0.058	339.068	7.26	7.27	3.35	3.36	26.1	26.15	34.2	33.32	2.57	2.51	16.94	16.815	25	25
M1	31/05/2024	Mid-Ebb	Cloudy	Low	13:28	2.5	M	1.25	2			7.28		3.36		26.2		32.5		2.44		16.69		25	
M2	31/05/2024	Mid-Ebb	Cloudy	Low	12:56	2.1	M	1.05	1	0.08	318.97	7.25	7.26	3.48	3.50	26.1	26.15	35.6	34.65	2.68	2.61	15.87	15.83	29	28
M2	31/05/2024	Mid-Ebb	Cloudy	Low	12:56	2.1	M	1.05	2			7.27		3.51		26.2		33.6		2.53		15.79		26	
M3	31/05/2024	Mid-Ebb	Cloudy	Low	13:41	1.9	M	0.95	1	0.078	315.032	7.29	7.28	4.30	4.35	26.1	26.10	46.3	45.69	3.48	3.44	28.44	28.26	25	23
M3	31/05/2024	Mid-Ebb	Cloudy	Low	13:42	1.9	M	0.95	2			7.27		4.39		26.1		45.1		3.39		28.08		21	

Remark

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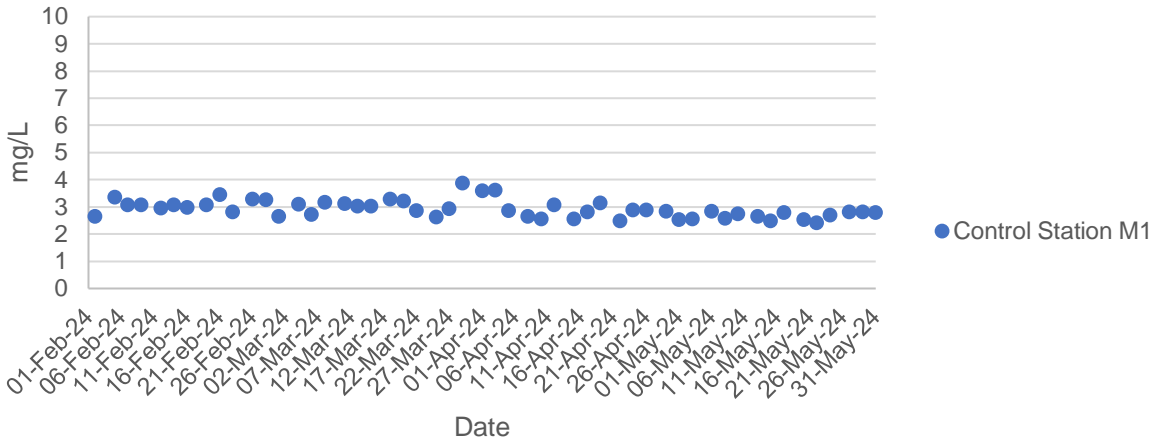
For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

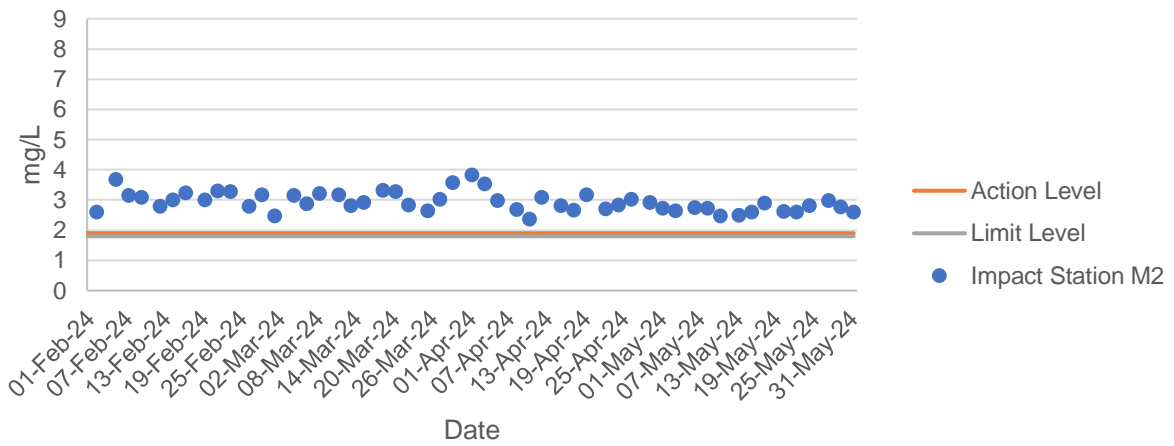
For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

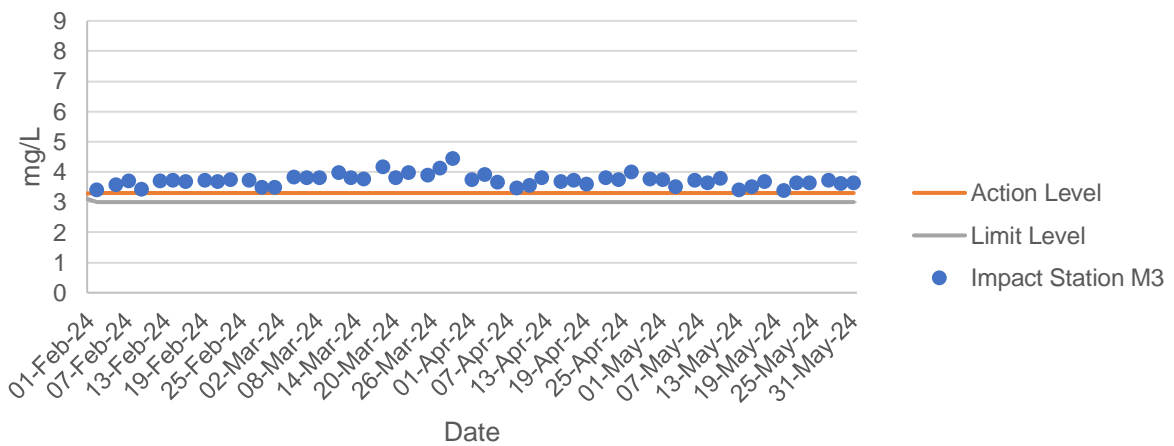
Dissolved Oxygen at Mid-Flood Tide

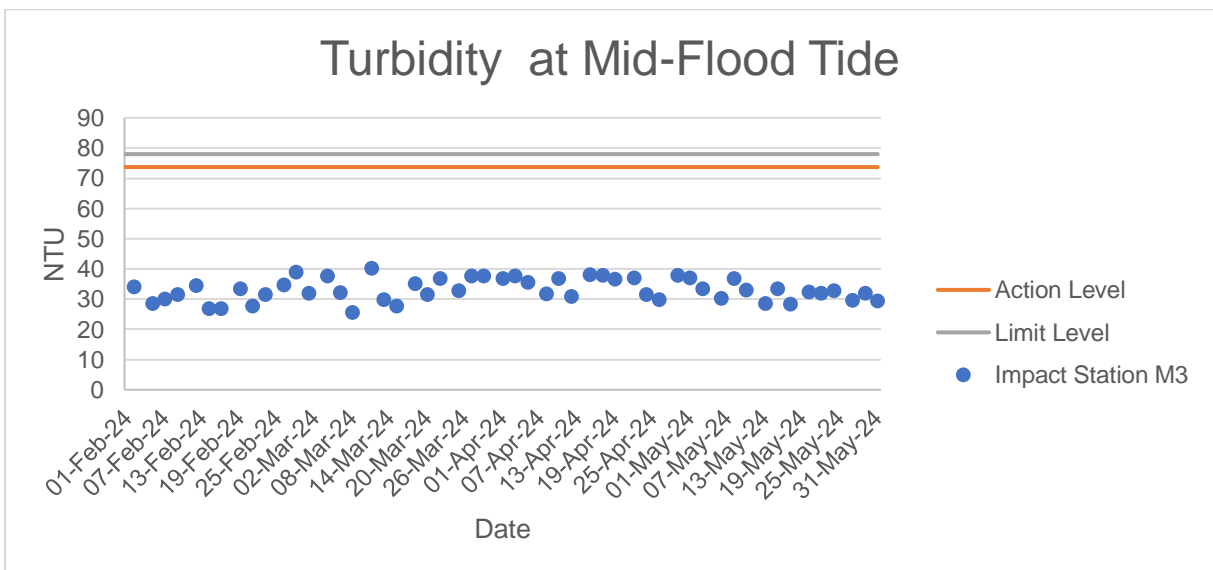
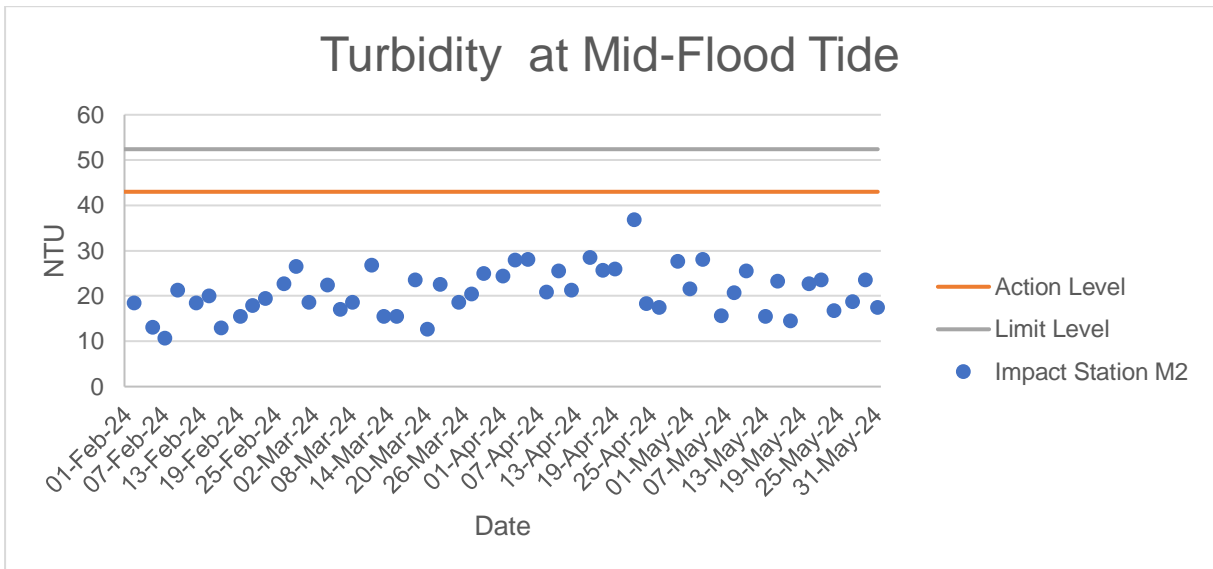
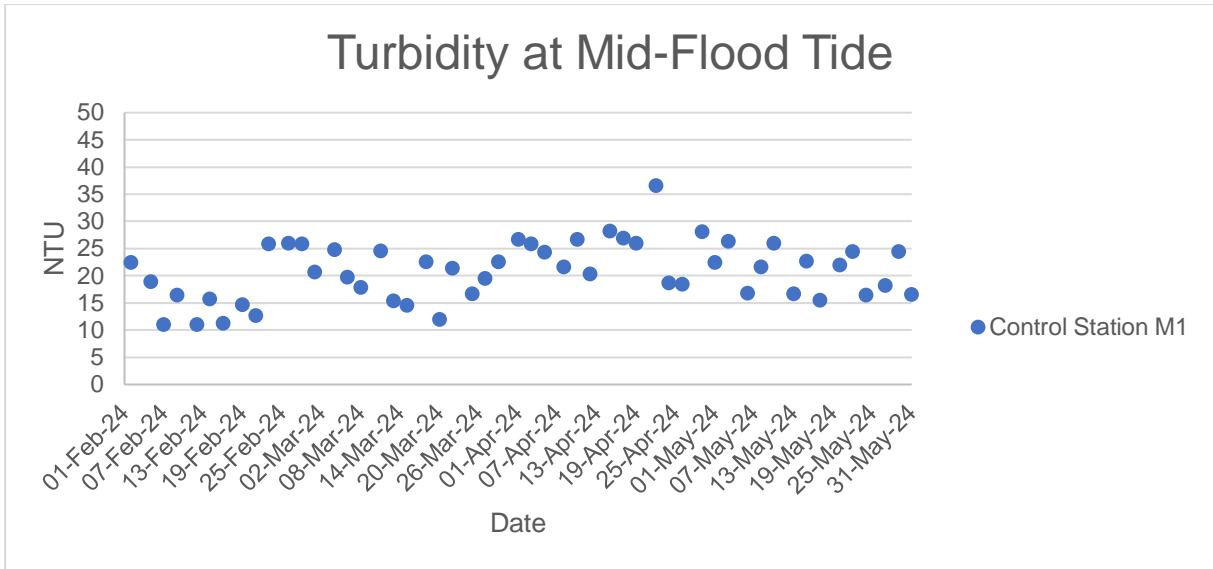


Dissolved Oxygen at Mid-Flood Tide

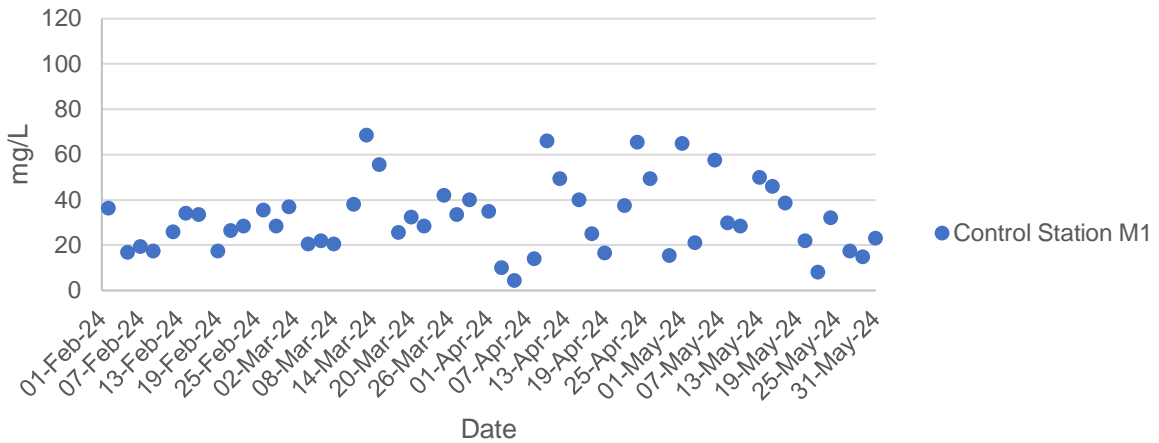


Dissolved Oxygen at Mid-Flood Tide

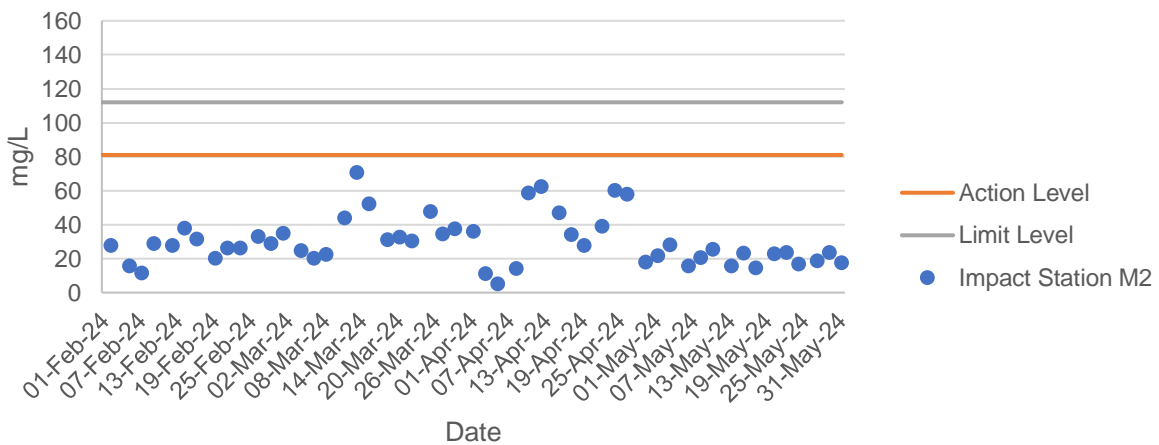




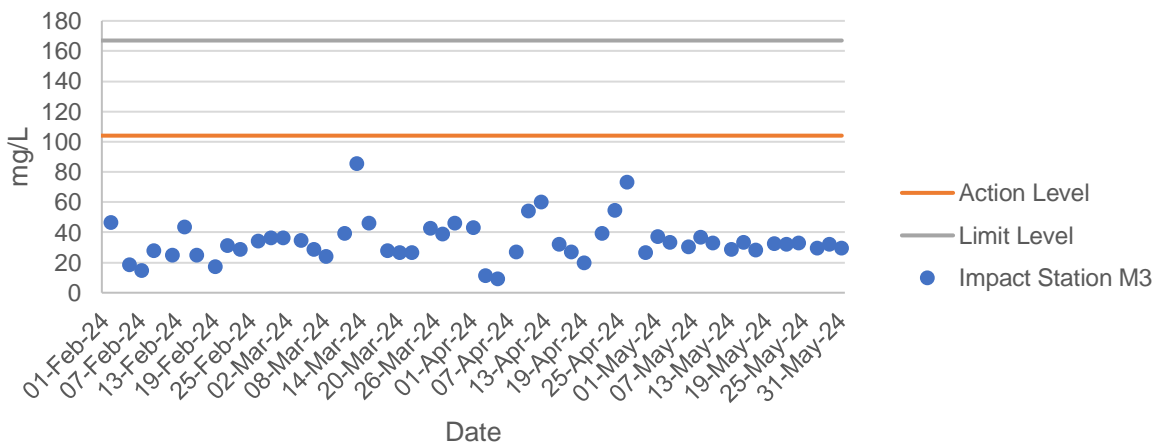
Total Suspended Solids at Mid-Flood Tide



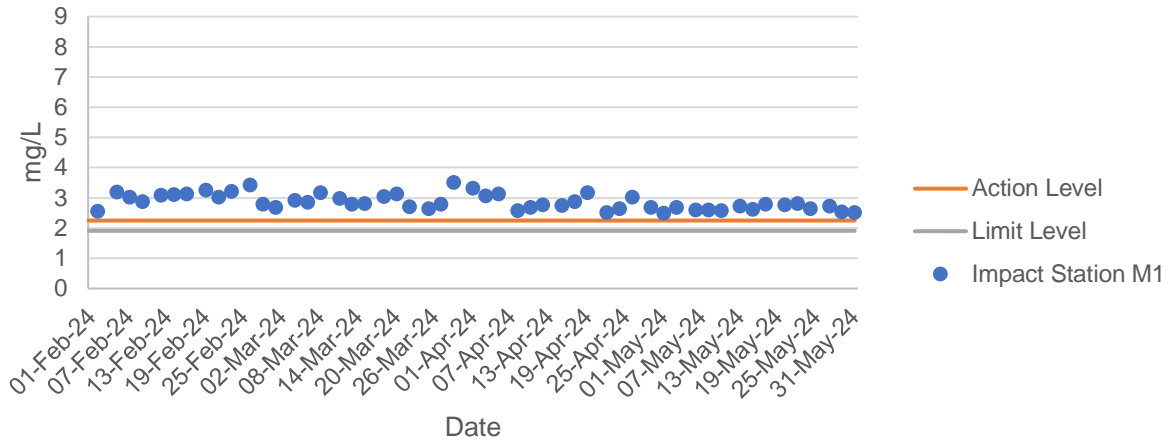
Total Suspended Solids at Mid-Flood Tide



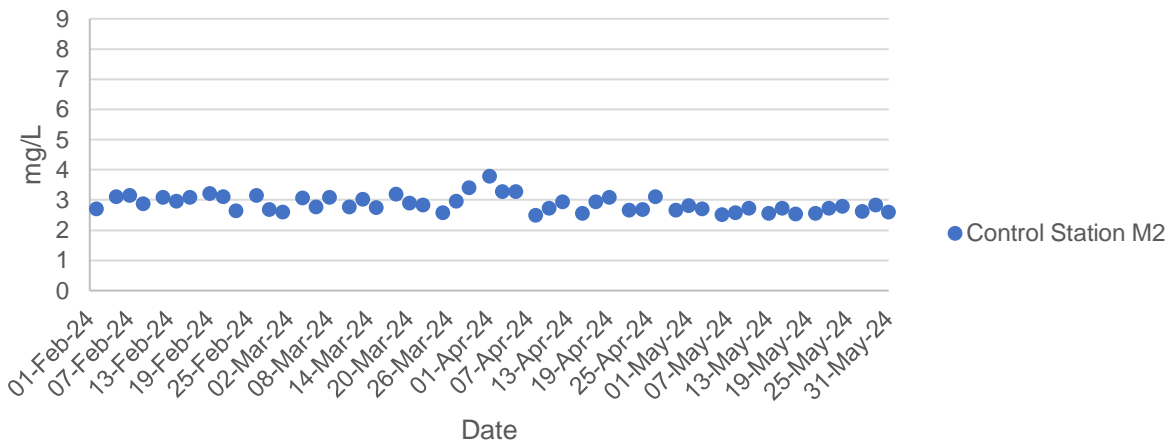
Total Suspended Solids at Mid-Flood Tide



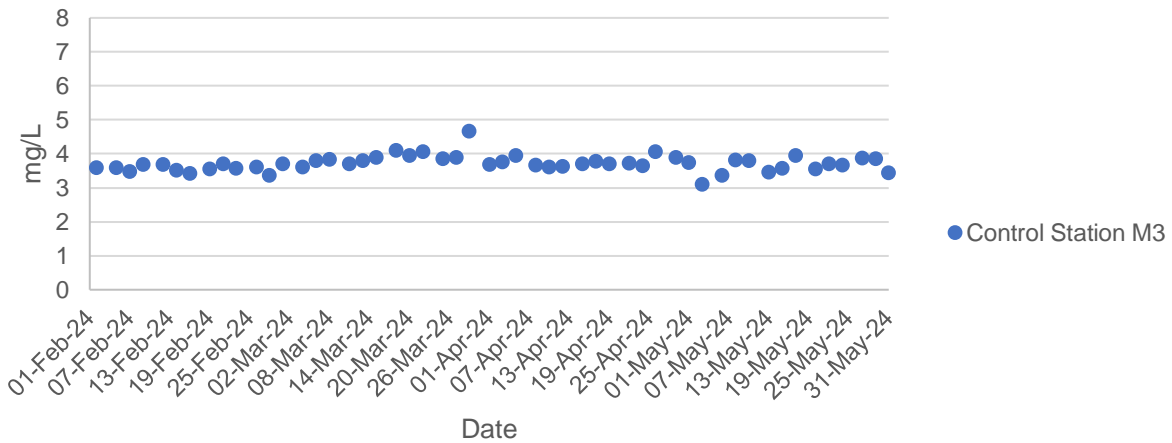
Dissolved Oxygen at Mid-Ebb Tide



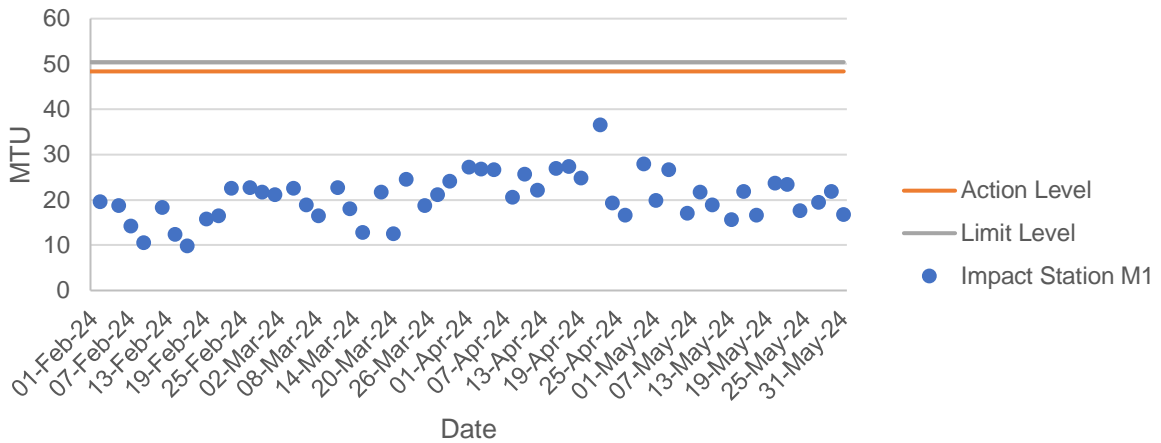
Dissolved Oxygen at Mid-Ebb Tide



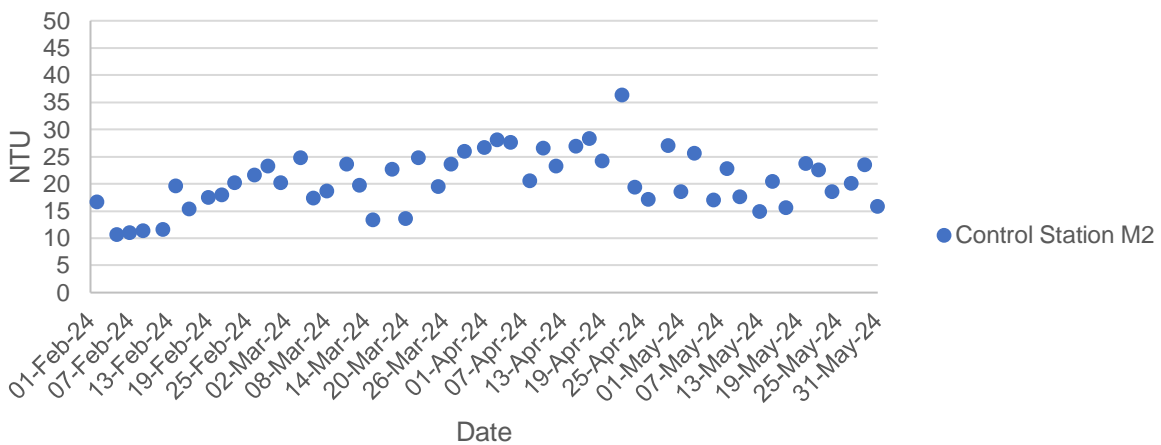
Dissolved Oxygen at Mid-Ebb Tide



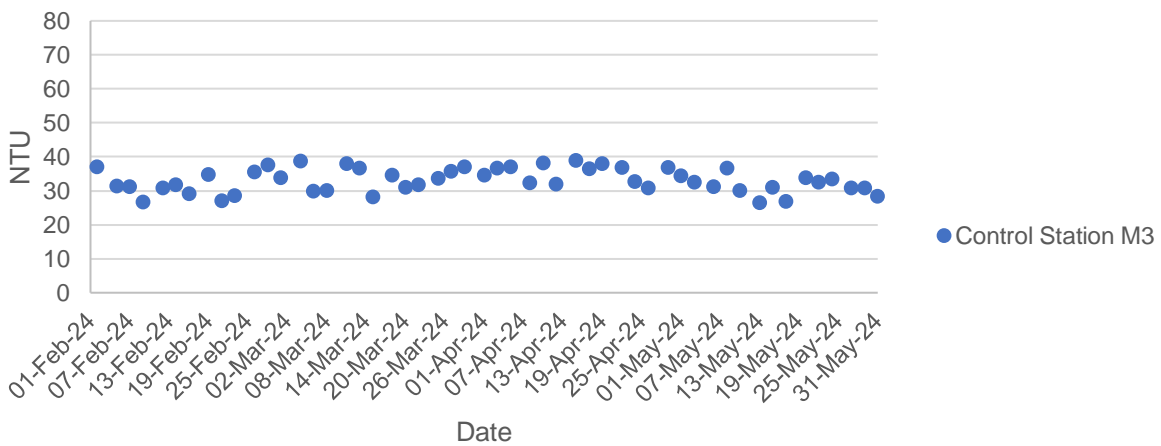
Turbidity at Mid-Ebb Tide



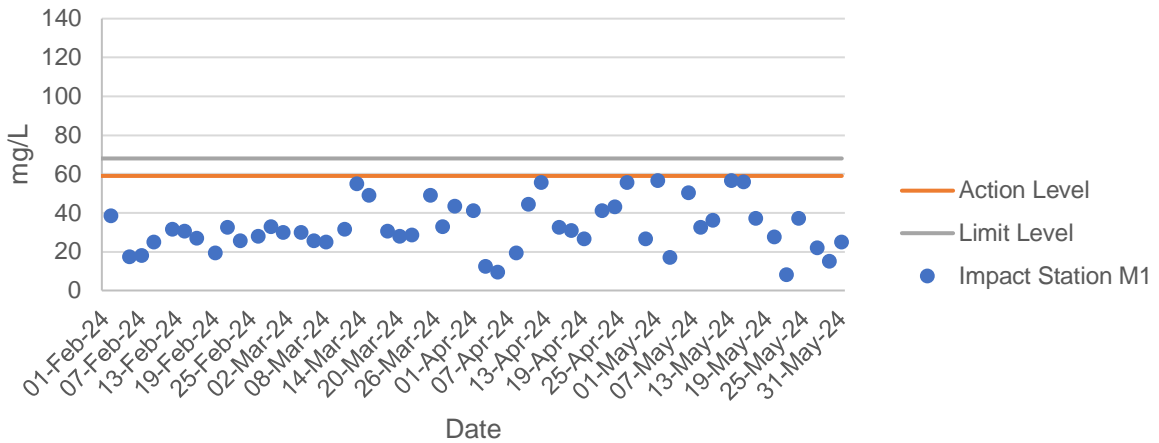
Turbidity at Mid-Ebb Tide



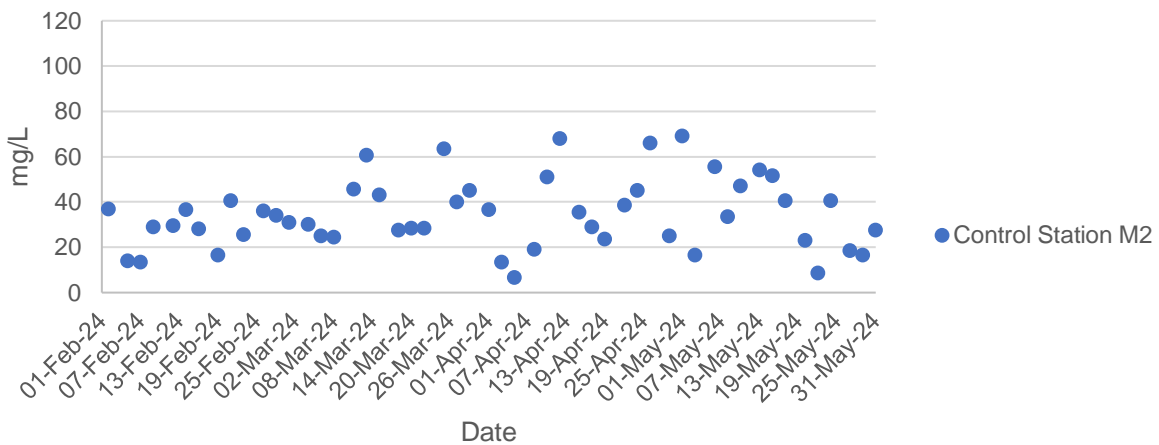
Turbidity at Mid-Ebb Tide



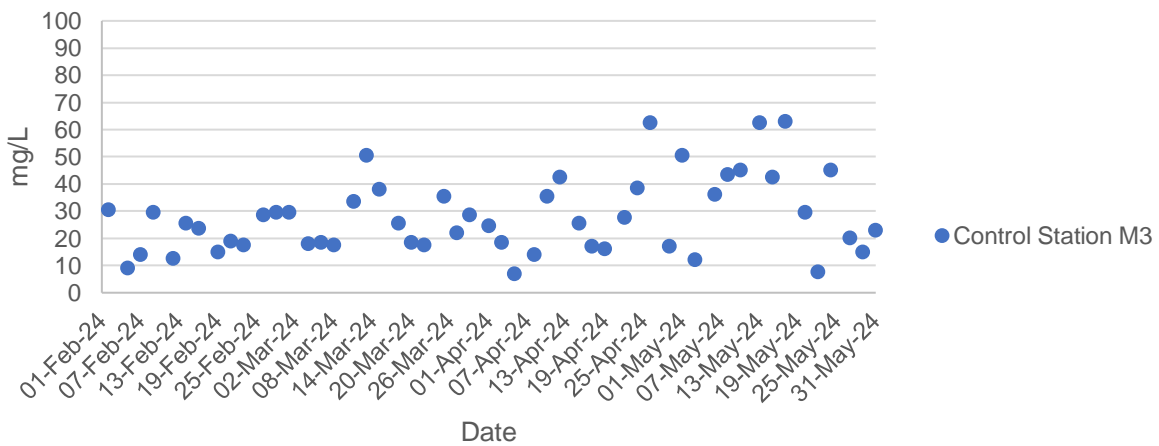
Total Suspended Solids at Mid-Ebb Tide



Total Suspended Solids at Mid-Ebb Tide



Total Suspended Solids at Mid-Ebb Tide



Ecology Monitoring Results for

Contract No. SPW 02/2023

Environmental Team for Construction of Yuen long

Effluent Polishing Plant Stage 1

Appendix F.1 Ecological Bird Monitoring Result (13 May 2024)

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong ²	Principal Status ³	Level of Concern ⁴	Protection Status in China ⁵	China Red Data Book ⁶	Red List of China's Vertebrates ⁹	IUCN Red List ⁷ (v.2020-3)	Species of Conservation Importance	Wetland Dependent ⁸
13/05/2024	Daytime	Wet	FLW	Point Count	FLW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	16	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	FLW	Point Count	FLW1	Eurasian Tree Sparrow	<i>Passer montanus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW1	Little Grebe	<i>Tachybaptus ruficollis</i>	2	Common	R	LC	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	FLW	Point Count	FLW1	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW1	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW1	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW1	Whiskered Tern	<i>Chlidonias hybrida</i>	1	Uncommon	PM	-	-	-	LC	LC	N	Y
13/05/2024	Daytime	Wet	FLW	Point Count	FLW2	Barn Swallow	<i>Hirundo rustica</i>	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW2	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW2	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW2	Scaly-breasted Munia	<i>Lonchura punctulata</i>	3	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW2	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW2	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW2	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW3	Black-collared Starling	<i>Gracupica nigricollis</i>	2	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW3	Collared Crow	<i>Corvus torquatus</i>	1	Uncommon	R	LC	-	-	NT	VU	Y	Y
13/05/2024	Daytime	Wet	FLW	Point Count	FLW3	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW3	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW3	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	-	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	FLW	Point Count	FLW3	White-shouldered Starling	<i>Sturnia sinensis</i>	2	Common	M,W,Su	(LC)	-	-	-	LC	Y	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW4	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW4	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW4	Spotted Dove	<i>Spilopelia chinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW4	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (13 May 2024)

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong ²	Principal Status ³	Level of Concern ⁴	Protection Status in China ⁵	China Red Data Book ⁶	Red List of China's Vertebrates ⁹	IUCN Red List ⁷ (v.2020-3)	Species of Conservation Importance	Wetland Dependent ⁸
13/05/2024	Daytime	Wet	FLW	Point Count	FLW5	Barn Swallow	<i>Hirundo rustica</i>	4	Abundant	PM,SV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW5	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW5	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	FLW	Point Count	FLW5	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW5	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	FLW	Point Count	FLW5	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW5	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW5	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW5	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW5	Spotted Dove	<i>Spilopelia chinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW5	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
13/05/2024	Daytime	Wet	FLW	Point Count	FLW5	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	2	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW5	Indian Cuckoo	<i>Cuculus micropterus</i>	1	Uncommon	SV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW5	Whiskered Tern	<i>Chlidonias hybrida</i>	3	Uncommon	PM	-	-	-	LC	LC	N	Y
13/05/2024	Daytime	Wet	FLW	Point Count	FLW6	Azure-winged Magpie	<i>Cyanopica cyanus</i>	14	Introduced	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW6	Chinese Pond Heron	<i>Ardeola bacchus</i>	14	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	FLW	Point Count	FLW6	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW6	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW6	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	6	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW6	Spotted Dove	<i>Spilopelia chinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW6	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
13/05/2024	Daytime	Wet	FLW	Point Count	FLW6	Indian Cuckoo	<i>Cuculus micropterus</i>	1	Uncommon	SV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW6	Whiskered Tern	<i>Chlidonias hybrida</i>	2	Uncommon	PM	-	-	-	LC	LC	N	Y
13/05/2024	Daytime	Wet	FLW	Point Count	FLW7	Black-collared Starling	<i>Gracupica nigricollis</i>	2	Common	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (13 May 2024)

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong ²	Principal Status ³	Level of Concern ⁴	Protection Status in China ⁵	China Red Data Book ⁶	Red List of China's Vertebrates ⁹	IUCN Red List ⁷ (v.2020-3)	Species of Conservation Importance	Wetland Dependent ⁸
13/05/2024	Daytime	Wet	FLW	Point Count	FLW7	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW7	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	FLW	Point Count	FLW7	Crested Myna	<i>Acridotheres cristatellus</i>	5	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Point Count	FLW7	Great Egret	<i>Ardea alba</i>	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	FLW	Point Count	FLW7	Little Egret	<i>Egretta garzetta</i>	11	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	FLW	Point Count	FLW7	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Transect	FLW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	8	Introduced	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Transect	FLW	Barn Swallow	<i>Hirundo rustica</i>	39	Abundant	PM,SV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Transect	FLW	Black Kite	<i>Milvus migrans</i>	2	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	14	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Transect	FLW	Black-faced Bunting	<i>Emberiza spodocephala</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Transect	FLW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	5	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Transect	FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	FLW	Transect	FLW	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Transect	FLW	Crested Myna	<i>Acridotheres cristatellus</i>	2	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Transect	FLW	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	5	Common	-	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Transect	FLW	Eurasian Tree Sparrow	<i>Passer montanus</i>	19	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Transect	FLW	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
13/05/2024	Daytime	Wet	FLW	Transect	FLW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Transect	FLW	Scaly-breasted Munia	<i>Lonchura punctulata</i>	37	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Transect	FLW	Spotted Dove	<i>Spilopelia chinensis</i>	11	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Transect	FLW	Swinhoe's White-eye	<i>Zosterops simplex</i>	4	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	FLW	Transect	FLW	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	4	Common	R	-	-	-	LC	LC	N	Y
13/05/2024	Daytime	Wet	FLW	Transect	FLW	Asian Koel	<i>Eudynamis scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (13 May 2024)

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong ²	Principal Status ³	Level of Concern ⁴	Protection Status in China ⁵	China Red Data Book ⁶	Red List of China's Vertebrates ⁹	IUCN Red List ⁷ (v.2020-3)	Species of Conservation Importance	Wetland Dependent ⁸
13/05/2024	Daytime	Wet	FLW	Transect	FLW	Indian Cuckoo	<i>Cuculus micropterus</i>	1	Uncommon	SV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	NSW1	Barn Swallow	<i>Hirundo rustica</i>	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	NSW	Point Count	NSW1	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
13/05/2024	Daytime	Wet	NSW	Point Count	NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	2	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Tree Sparrow	<i>Passer montanus</i>	7	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	NSW1	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	NSW	Point Count	NSW1	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	NSW1	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	NSW1	Swinhoe's White-eye	<i>Zosterops simplex</i>	8	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	NSW1	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	NSW1	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
13/05/2024	Daytime	Wet	NSW	Point Count	NSW1	White-shouldered Starling	<i>Sturnia sinensis</i>	3	Common	M,W,Su	(LC)	-	-	-	LC	Y	N
13/05/2024	Daytime	Wet	NSW	Point Count	NSW1	Indian Cuckoo	<i>Cuculus micropterus</i>	1	Uncommon	SV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Moorhen	<i>Gallinula chloropus</i>	5	Common	R	-	-	-	LC	LC	N	Y
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Myna	<i>Acridotheres tristis</i>	2	Uncommon	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (13 May 2024)

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong ²	Principal Status ³	Level of Concern ⁴	Protection Status in China ⁵	China Red Data Book ⁶	Red List of China's Vertebrates ⁹	IUCN Red List ⁷ (v.2020-3)	Species of Conservation Importance	Wetland Dependent ⁸
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Japanese Tit	<i>Parus minor</i>	3	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Barn Swallow	<i>Hirundo rustica</i>	3	Abundant	PM,SV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Crested Myna	<i>Acridotheres cristatellus</i>	7	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	6	Common	R	-	-	-	LC	LC	N	Y
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Azure-winged Magpie	<i>Cyanopica cyanus</i>	3	Introduced	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Barn Swallow	<i>Hirundo rustica</i>	1	Abundant	PM,SV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Crested Myna	<i>Acridotheres cristatellus</i>	3	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Little Egret	<i>Egretta garzetta</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (13 May 2024)

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong ²	Principal Status ³	Level of Concern ⁴	Protection Status in China ⁵	China Red Data Book ⁶	Red List of China's Vertebrates ⁹	IUCN Red List ⁷ (v.2020-3)	Species of Conservation Importance	Wetland Dependent ⁸
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Pied Avocet	<i>Recurvirostra avosetta</i>	4	Abundant	WV	RC	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Swinhoe's White-eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Indian Cuckoo	<i>Cuculus micropterus</i>	1	Uncommon	SV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Whiskered Tern	<i>Chlidonias hybrida</i>	4	Uncommon	PM	-	-	-	LC	LC	N	Y
13/05/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Peregrine Falcon	<i>Falco peregrinus</i>	1	Common	R,W	(LC)	Class II	-	NT	LC	Y	N
13/05/2024	Daytime	Wet	NSW	Transect	NSW	Barn Swallow	<i>Hirundo rustica</i>	6	Abundant	PM,SV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Transect	NSW	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	NSW	Transect	NSW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Transect	NSW	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	NSW	Transect	NSW	Common Tailorbird	<i>Orthotomus sutorius</i>	2	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Transect	NSW	Oriental Magpie Robin	<i>Copsychus saularis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Transect	NSW	Plain Prinia	<i>Prinia inornata</i>	5	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Transect	NSW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Transect	NSW	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Transect	NSW	Swinhoe's White-eye	<i>Zosterops simplex</i>	8	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Transect	NSW	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
13/05/2024	Daytime	Wet	NSW	Transect	NSW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	2	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Transect	NSW	Japanese Tit	<i>Parus minor</i>	4	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Transect	NSW	Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>	3	Common	R	-	-	-	-	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (13 May 2024)

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong ²	Principal Status ³	Level of Concern ⁴	Protection Status in China ⁵	China Red Data Book ⁶	Red List of China's Vertebrates ⁹	IUCN Red List ⁷ (v.2020-3)	Species of Conservation Importance	Wetland Dependent ⁸
13/05/2024	Daytime	Wet	NSW	Transect	NSW	Asian Koel	<i>Eudynamis scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Transect	NSW	Large Hawk-Cuckoo	<i>Hierococcyx sparverioides</i>	2	Common	PM,SV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	NSW	Transect	NSW	Whiskered Tern	<i>Chlidonias hybrida</i>	3	Uncommon	PM	-	-	-	LC	LC	N	Y
13/05/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Barn Swallow	<i>Hirundo rustica</i>	12	Abundant	PM,SV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	8	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Chinese Pond Heron	<i>Ardeola bacchus</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Tailorbird	<i>Orthotomus sutorius</i>	2	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Crested Myna	<i>Acridotheres cristatellus</i>	8	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Great Egret	<i>Ardea alba</i>	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
13/05/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Little Egret	<i>Egretta garzetta</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	5	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Scaly-breasted Munia	<i>Lonchura punctulata</i>	2	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Spotted Dove	<i>Spilopelia chinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Swinhoe's White-eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
13/05/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	-	-	-	LC	LC	Y	Y
13/05/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	3	Common	R	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Large Hawk-Cuckoo	<i>Hierococcyx sparverioides</i>	1	Common	PM,SV	-	-	-	LC	LC	N	N
13/05/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Indian Cuckoo	<i>Cuculus micropterus</i>	1	Uncommon	SV	-	-	-	LC	LC	N	N

Notes:

1. All wild birds are protected under Wild Animals Protection Ordinance (Cap. 170).

2. AFCD (2021). Hong Kong Biodiversity Database.

3. Carey et al. (2001): R=resident; WV=winter visitor; SV=summer visitor; PM=passage migrant; Sp=spring; A=autumn;

4. Fellowes et al. (2002): LC=Local Concern; RC=Regional Concern; PRC=Potential Regional Concern; PGC: Potential Global Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

5. List of Wild Animals under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).

6. Zheng, G. M. and Wang, Q. S. (1998). China Red Data Book

Appendix F.1 Ecological Bird Monitoring Result (13 May 2024)

7. IUCN 2021. The IUCN Red List of Threatened Species. Version 2020-3.
8. Wetland-dependent species (including wetland-dependent species and waterbirds).
9. Jiang et al. (2016). Red List of China's Vertebrates

Appendix F.2.1 Ecological Bird Monitoring Diversity (All avifauna species in Point Count Method) in All Habitats (13 May 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Tachybaptus ruficollis</i>	2	0.0064	-5.0531	-0.0323	0.1632
<i>Ardeola bacchus</i>	43	0.1374	-1.9850	-0.2727	0.5413
<i>Ardea cinerea</i>	1	0.0032	-5.7462	-0.0184	0.1055
<i>Ardea alba</i>	8	0.0256	-3.6668	-0.0937	0.3436
<i>Egretta garzetta</i>	17	0.0543	-2.9130	-0.1582	0.4609
<i>Milvus migrans</i>	1	0.0032	-5.7462	-0.0184	0.1055
<i>Amaurornis phoenicurus</i>	11	0.0351	-3.3483	-0.1177	0.3940
<i>Gallinula chloropus</i>	5	0.0160	-4.1368	-0.0661	0.2734
<i>Recurvirostra avosetta</i>	4	0.0128	-4.3599	-0.0557	0.2429
<i>Actitis hypoleucos</i>	1	0.0032	-5.7462	-0.0184	0.1055
<i>Chlidonias hybrida</i>	10	0.0319	-3.4436	-0.1100	0.3789
<i>Streptopelia decaocto</i>	2	0.0064	-5.0531	-0.0323	0.1632
<i>Spilopelia chinensis</i>	23	0.0735	-2.6107	-0.1918	0.5008
<i>Centropus sinensis</i>	3	0.0096	-4.6476	-0.0445	0.2070
<i>Cuculus micropterus</i>	4	0.0128	-4.3599	-0.0557	0.2429
<i>Halcyon smyrnensis</i>	1	0.0032	-5.7462	-0.0184	0.1055
<i>Falco peregrinus</i>	1	0.0032	-5.7462	-0.0184	0.1055
<i>Cyanopica cyanus</i>	17	0.0543	-2.9130	-0.1582	0.4609
<i>Corvus torquatus</i>	1	0.0032	-5.7462	-0.0184	0.1055
<i>Parus minor</i>	7	0.0224	-3.8003	-0.0850	0.3230
<i>Pycnonotus jocosus</i>	13	0.0415	-3.1813	-0.1321	0.4203
<i>Pycnonotus sinensis</i>	10	0.0319	-3.4436	-0.1100	0.3789
<i>Hirundo rustica</i>	12	0.0383	-3.2613	-0.1250	0.4078
<i>Prinia flaviventris</i>	6	0.0192	-3.9544	-0.0758	0.2998
<i>Prinia inornata</i>	10	0.0319	-3.4436	-0.1100	0.3789
<i>Pterorhinus perspicillatus</i>	16	0.0511	-2.9736	-0.1520	0.4520
<i>Zosterops simplex</i>	10	0.0319	-3.4436	-0.1100	0.3789
<i>Acridotheres cristatellus</i>	25	0.0799	-2.5273	-0.2019	0.5102
<i>Acridotheres tristis</i>	2	0.0064	-5.0531	-0.0323	0.1632
<i>Gracupica nigricollis</i>	21	0.0671	-2.7017	-0.1813	0.4897
<i>Sturnia sinensis</i>	5	0.0160	-4.1368	-0.0661	0.2734
<i>Copsychus saularis</i>	3	0.0096	-4.6476	-0.0445	0.2070
<i>Passer montanus</i>	11	0.0351	-3.3483	-0.1177	0.3940
<i>Lonchura punctulata</i>	3	0.0096	-4.6476	-0.0445	0.2070
<i>Motacilla alba</i>	4	0.0128	-4.3599	-0.0557	0.2429
Total	313	1	-141.8919	-3.1432	10.5328
Richness	35				
SS	10.5328				
SQ	9.8795				
H	3.1432				
S ² H	0.0023				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (13 May 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Tachybaptus ruficollis</i>	2	0.0230	-3.7728	-0.0867	0.3272
<i>Ardeola bacchus</i>	43	0.4943	-0.7047	-0.3483	0.2455
<i>Ardea cinerea</i>	1	0.0115	-4.4659	-0.0513	0.2292
<i>Ardea alba</i>	8	0.0920	-2.3865	-0.2194	0.5237
<i>Egretta garzetta</i>	17	0.1954	-1.6327	-0.3190	0.5209
<i>Milvus migrans</i>	1	0.0115	-4.4659	-0.0513	0.2292
<i>Recurvirostra avosetta</i>	4	0.0460	-3.0796	-0.1416	0.4360
<i>Centropus sinensis</i>	3	0.0345	-3.3673	-0.1161	0.3910
<i>Halcyon smyrnensis</i>	1	0.0115	-4.4659	-0.0513	0.2292
<i>Falco peregrinus</i>	1	0.0115	-4.4659	-0.0513	0.2292
<i>Corvus torquatus</i>	1	0.0115	-4.4659	-0.0513	0.2292
<i>Sturnia sinensis</i>	5	0.0575	-2.8565	-0.1642	0.4689
Total	87	1	-15.7317	-1.72374	3.280572
Richness	12				
SS	4.0594				
SQ	2.7292				
H	1.6520				
S ² H	0.0160				

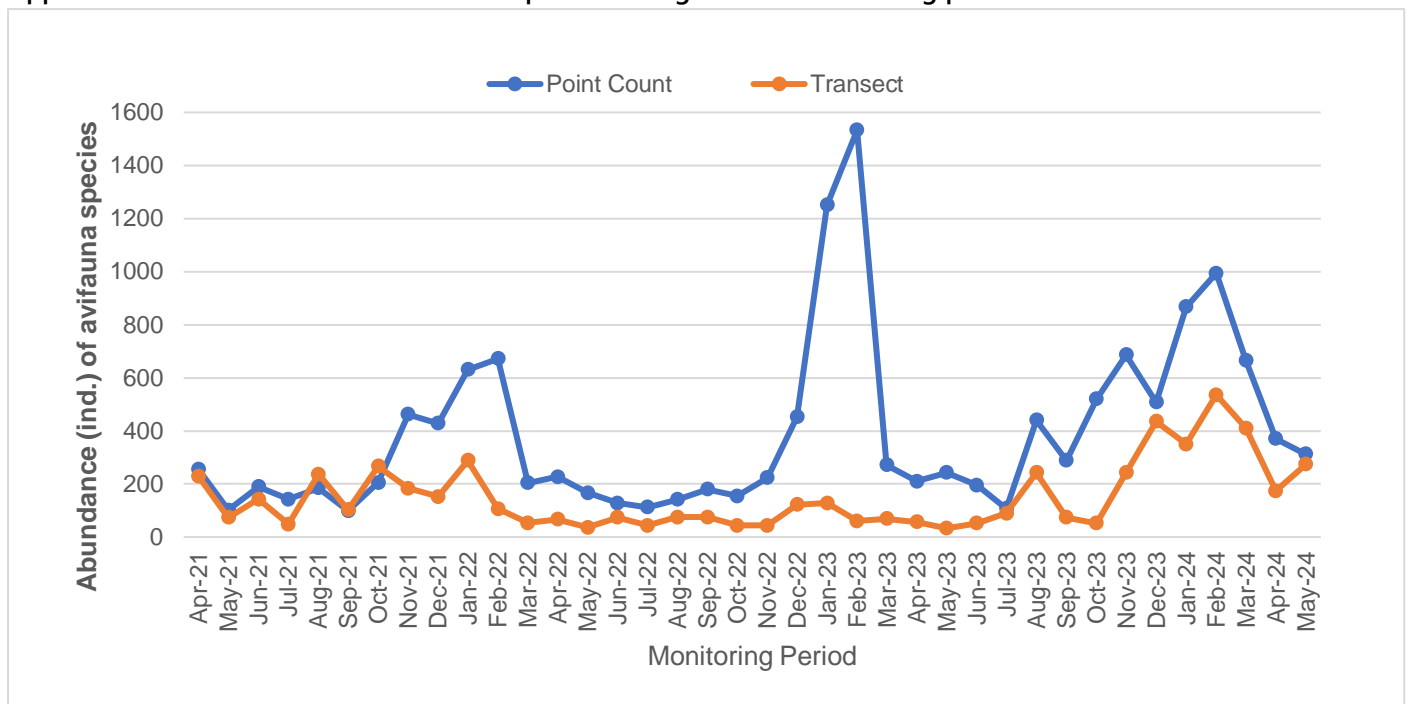
Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method) in All Habitats (13 May 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Ardeola bacchus</i>	11	0.0401	-3.2152	-0.1291	0.4150
<i>Ardea alba</i>	3	0.0109	-4.5145	-0.0494	0.2231
<i>Egretta garzetta</i>	3	0.0109	-4.5145	-0.0494	0.2231
<i>Milvus migrans</i>	3	0.0109	-4.5145	-0.0494	0.2231
<i>Amauromis phoenicurus</i>	8	0.0292	-3.5337	-0.1032	0.3646
<i>Chlidonias hybrida</i>	3	0.0109	-4.5145	-0.0494	0.2231
<i>Streptopelia decaocto</i>	5	0.0182	-4.0037	-0.0731	0.2925
<i>Spilopelia chinensis</i>	16	0.0584	-2.8405	-0.1659	0.4712
<i>Centropus sinensis</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Eudynamis scolopaceus</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Hierococcyx sparverioides</i>	3	0.0109	-4.5145	-0.0494	0.2231
<i>Cuculus micropterus</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Halcyon smyrnensis</i>	1	0.0036	-5.6131	-0.0205	0.1150
<i>Cyanopica cyanus</i>	8	0.0292	-3.5337	-0.1032	0.3646
<i>Urocissa erythroryncha</i>	3	0.0109	-4.5145	-0.0494	0.2231
<i>Parus minor</i>	4	0.0146	-4.2268	-0.0617	0.2608
<i>Pycnonotus jocosus</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Pycnonotus sinensis</i>	16	0.0584	-2.8405	-0.1659	0.4712
<i>Hirundo rustica</i>	57	0.2080	-1.5701	-0.3266	0.5128
<i>Prinia flaviventris</i>	5	0.0182	-4.0037	-0.0731	0.2925
<i>Prinia inornata</i>	7	0.0255	-3.6672	-0.0937	0.3436
<i>Orthotomus sutorius</i>	5	0.0182	-4.0037	-0.0731	0.2925
<i>Pterorhinus perspicillatus</i>	5	0.0182	-4.0037	-0.0731	0.2925
<i>Zosterops simplex</i>	14	0.0511	-2.9741	-0.1520	0.4519
<i>Acridotheres cristatellus</i>	10	0.0365	-3.3105	-0.1208	0.4000
<i>Gracupica nigricollis</i>	14	0.0511	-2.9741	-0.1520	0.4519
<i>Copsychus saularis</i>	3	0.0109	-4.5145	-0.0494	0.2231
<i>Passer montanus</i>	19	0.0693	-2.6687	-0.1851	0.4939
<i>Lonchura punctulata</i>	39	0.1423	-1.9496	-0.2775	0.5410
<i>Emberiza spodocephala</i>	1	0.0036	-5.6131	-0.0205	0.1150
Total	274	1	-110.2646	-2.5614	8.5553
Richness	30				
SS	8.5553				
SQ	6.5606				
H	2.5614				
S ² H	0.007473				

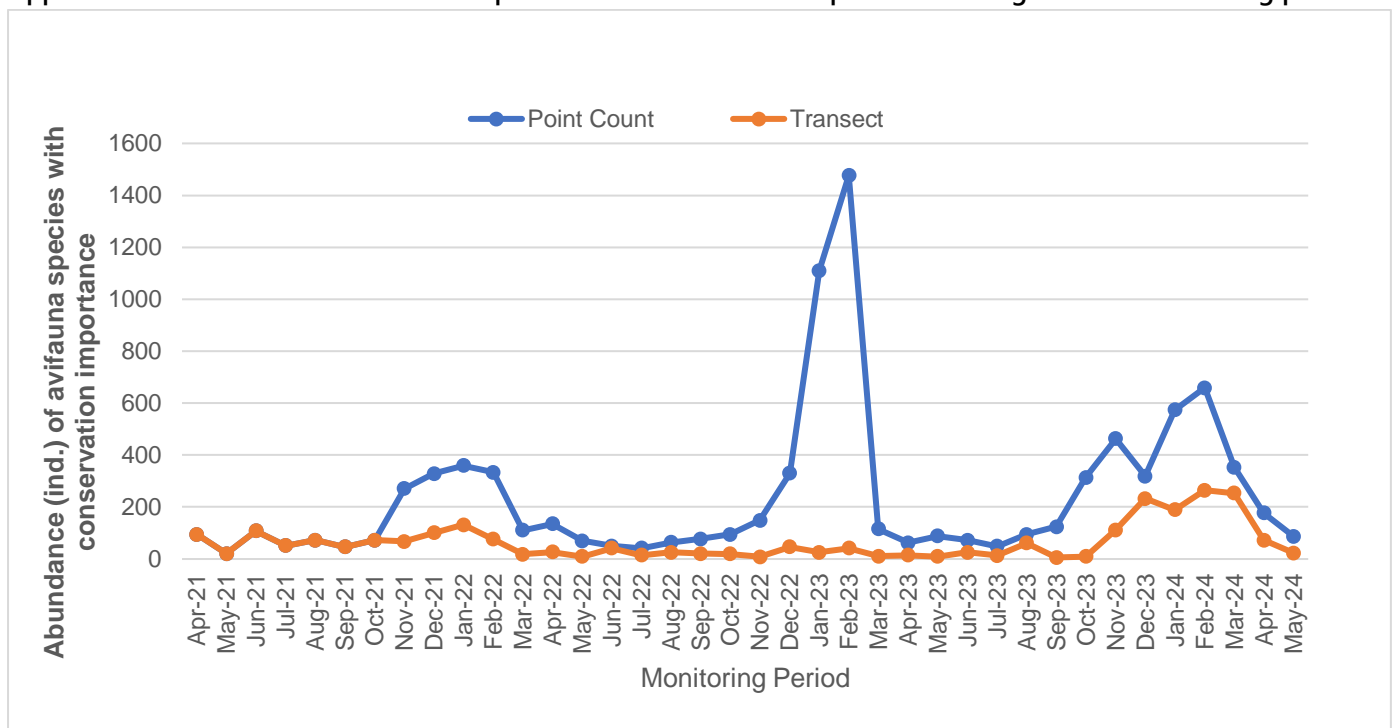
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (13 May 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Ardeola bacchus</i>	11	0.4783	-0.7376	-0.3528	0.2602
<i>Ardea alba</i>	3	0.1304	-2.0369	-0.2657	0.5412
<i>Egretta garzetta</i>	3	0.1304	-2.0369	-0.2657	0.5412
<i>Milvus migrans</i>	3	0.1304	-2.0369	-0.2657	0.5412
<i>Centropus sinensis</i>	2	0.0870	-2.4423	-0.2124	0.5187
<i>Halcyon smyrnensis</i>	1	0.0435	-3.1355	-0.1363	0.4274
Total	23	1	-12.4261	-1.4985	2.8298
Richness	6				
SS	2.8298				
SQ	2.2455				
H	1.4985				
S ² H	0.03013				

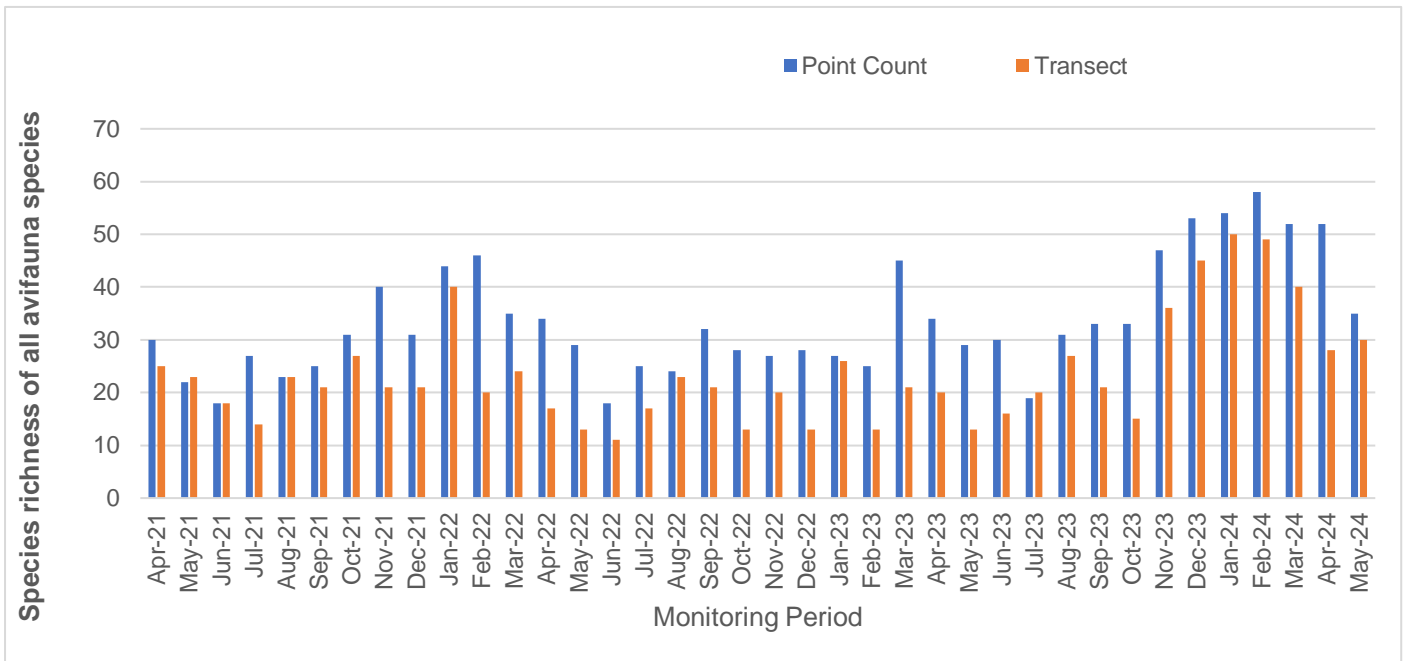
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



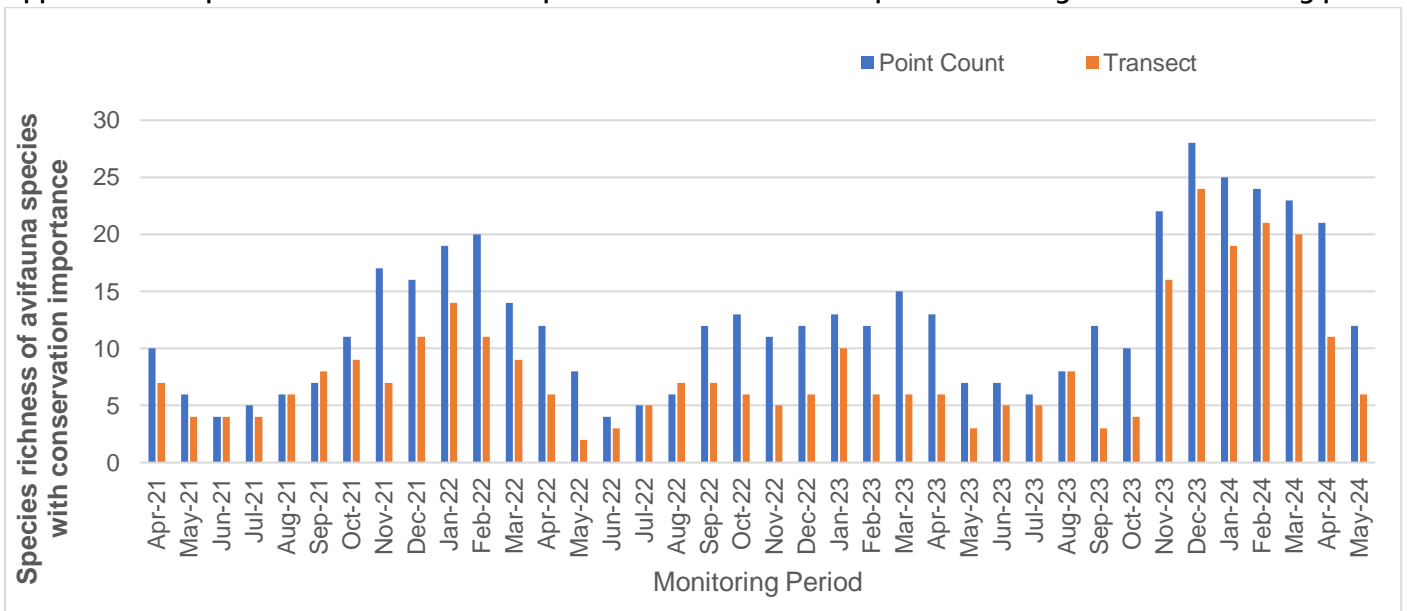
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



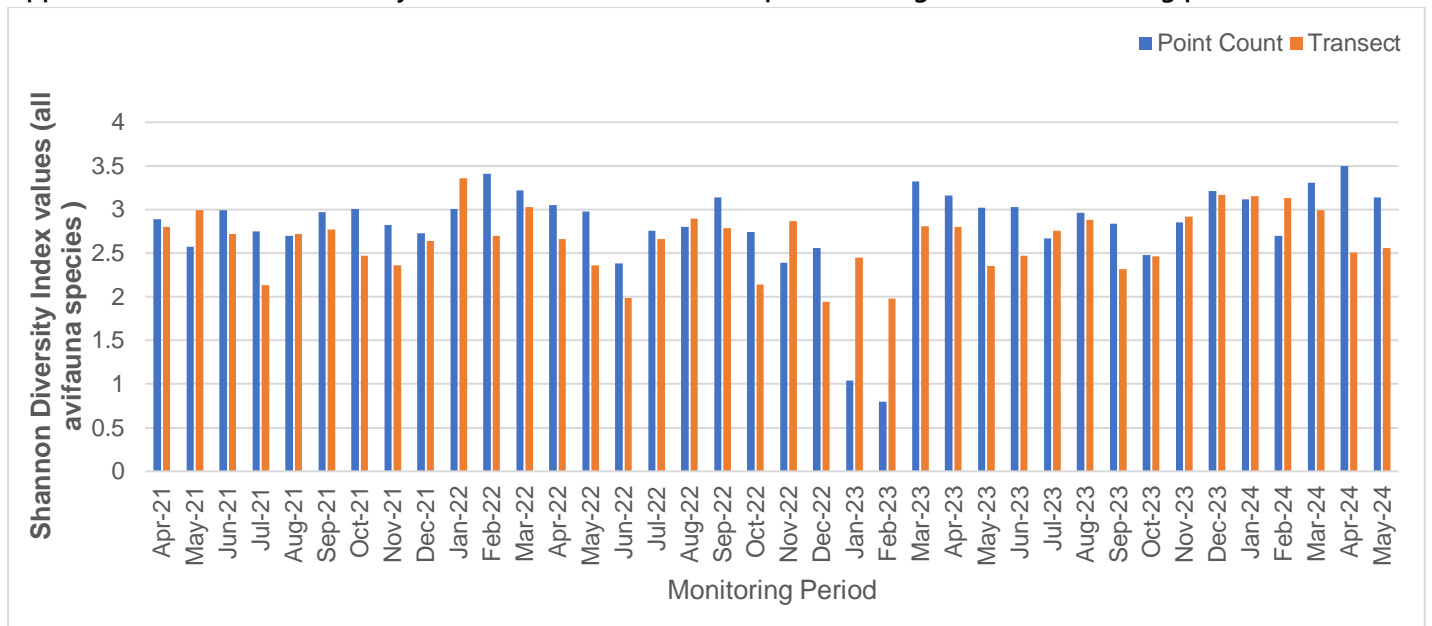
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



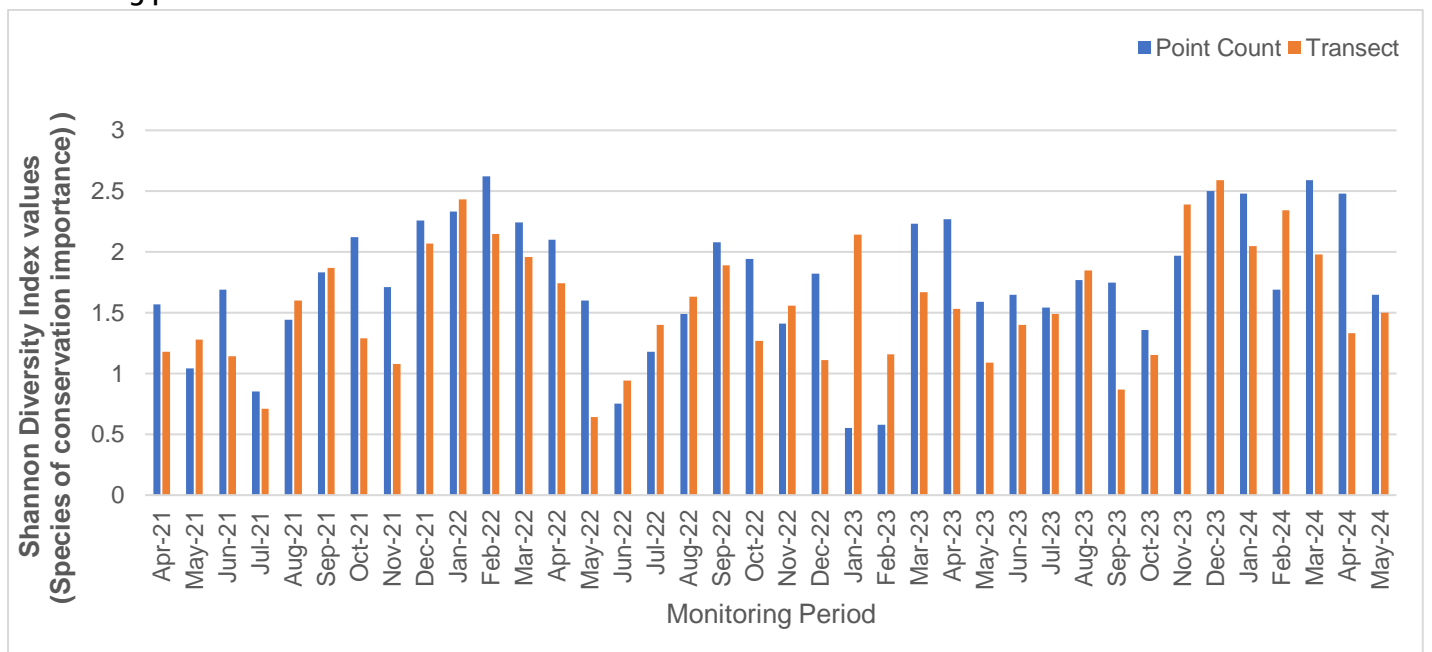
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



Appendix F.5.1 Shannon Diversity Index values of all avifauna species throughout the monitoring period



Appendix F.5.2 Shannon Diversity Index values of avifauna species with conservation importance throughout the monitoring period



Appendix F.6. Hutcheson t-test testing method and output

Formula:

$$t = \frac{H_a - H_b}{\sqrt{S_{H_a}^2 + S_{H_b}^2}}$$

Appendix F.6.1 Species diversity of all avifauna species – Point Count Method

Months	May 2017	May 2024
Total	190	313
Richness	31	35
H	3.1340	3.1432
S ² H	0.002979	0.002261
t	0.1270	
df	435.5097	
Crit	1.9654	
p	0.8990	
CI	0.1092	0.0951

Appendix F.6.2 Species diversity of all avifauna species – Transect Walk Method

Months	May 2017	May 2024
Total	2	274
Richness	1	30
H	0	2.5614
S ² H	0	0.007473
t	29.6292	
df	274.0000	
Crit	1.9687	
p	1.99E-87	
CI	0.0000	0.1729

Appendix F.6.3 Species diversity of avifauna species with conservation importance – Point Count Method

Months	May 2017	May 2024
Total	71	87
Richness	7	12
H	1.7237	1.6520
S ² H	0.004952	0.016016
t	0.4951	
df	133.4767	
Crit	1.9780	
p	0.6213	
CI	0.1407	0.2531

Appendix F.6.4 Species diversity of avifauna species with conservation importance – Transect Walk Method

Months	May 2017	May 2024
Total	2	23
Richness	1	6
H	0	1.4985
S ² H	0	0.03013
t	8.6330	
df	23.0000	
Crit	2.0687	
p	1.134E-08	
CI	0.0000	0.3472