

# 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 ( $\text{ug}/\text{m}^3$ )	Limit Level ( $\text{ug}/\text{m}^3$ )
			1st Measurement	2nd Measurement	3rd Measurement		
4/6/2024	sunny	8:11	45	50	48	291	500
8/6/2024	sunny	8:22	55	56	57		
13/6/2024	sunny	8:14	56	58	57		
19/6/2024	sunny	8:22	54	55	55		
25/6/2024	sunny	8:15	55	57	54		
29/6/2024	sunny	8:33	44	41	39		
		Min	39				
		Max	58				
		Average	52				

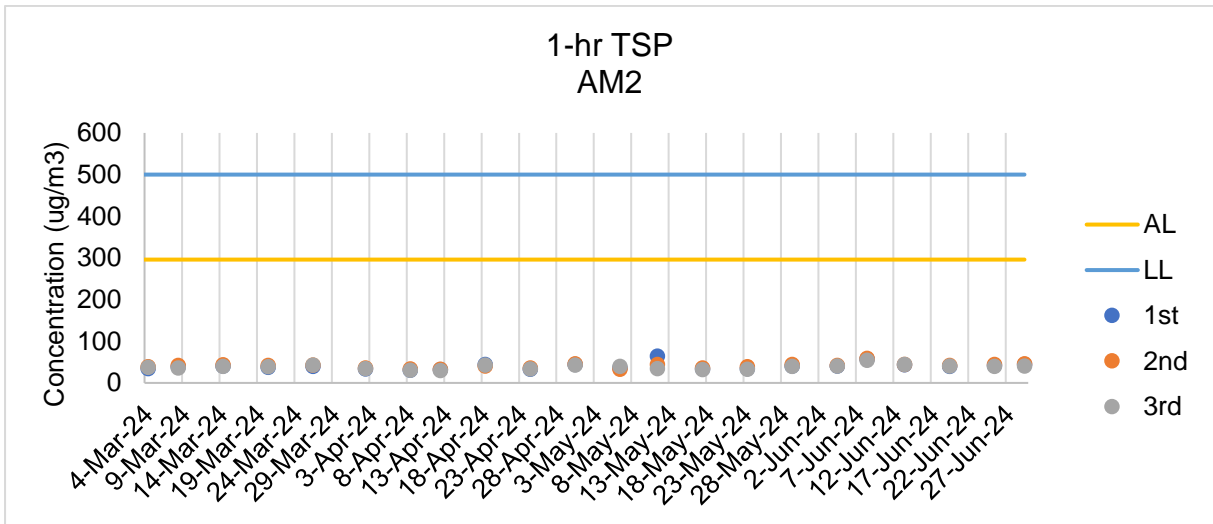
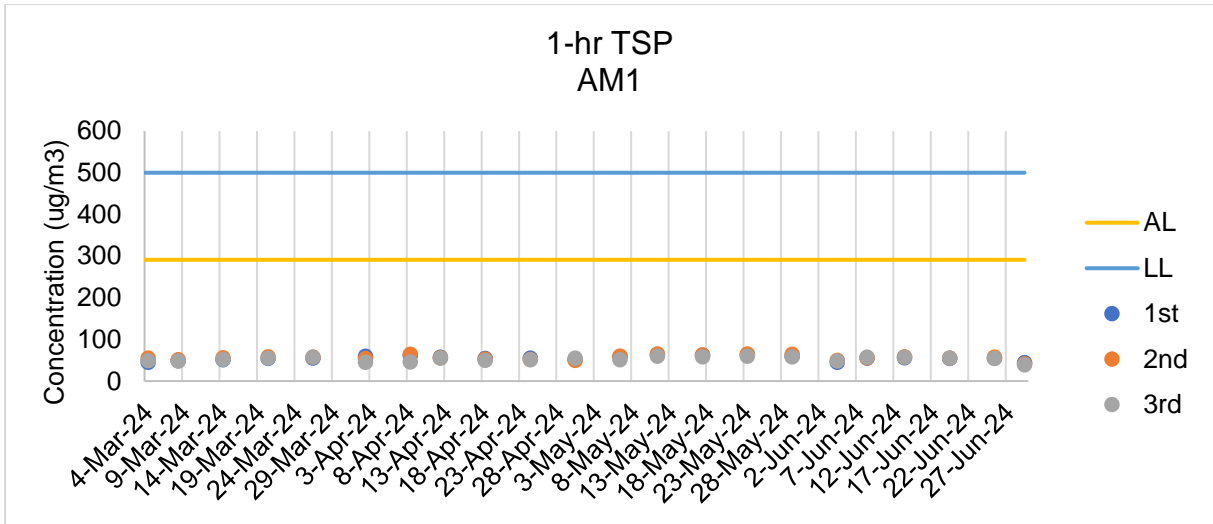
**AM2 - Squatter house at the west of Yuen Long STW**

Date	Weather Condition	Start Time	1-hour TSP ( $\mu\text{g}/\text{m}^3$ )			Action Level ( $\text{ug}/\text{m}^3$ )	Limit Level ( $\text{ug}/\text{m}^3$ )
			1st Measurement	2nd Measurement	3rd Measurement		
4/6/2024	sunny	13:22	41	42	41	296	500
8/6/2024	sunny	13:01	58	59	55		
13/6/2024	sunny	13:34	44	45	45		
19/6/2024	sunny	13:21	40	42	41		
25/6/2024	sunny	13:25	42	45	40		
29/6/2024	sunny	13:11	45	46	41		
		Min	40				
		Max	59				
		Average	45				

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 <sub>eq</sub> 30min dB(A)	L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
4/06/2024	10:55	62.3	63.5	59.5	0.4	sunny	75
13/06/2024	10:37	61.2	63.1	58.5	0.2	sunny	75
19/06/2024	10:21	62.2	64.5	60.2	0.5	sunny	75
25/06/2024	10:44	61.6	63.6	57.5	0.2	sunny	75
	<b>Max</b>	62.3					
	<b>Min</b>	61.2					

**CM2 - Squatter house to the west of YLSTW**

Date	Start Time	L <sub>eq</sub> 30min dB(A)	L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
4/06/2024	9:38	57.5	62.5	55.2	0.3	sunny	75
13/06/2024	9:23	59.6	63.4	57.5	0.1	sunny	75
19/06/2024	9:04	60.5	63.8	58.8	0.4	sunny	75
25/06/2024	9:31	61.5	63.5	59.2	0.1	sunny	75
	<b>Max</b>	61.5					
	<b>Min</b>	57.5					

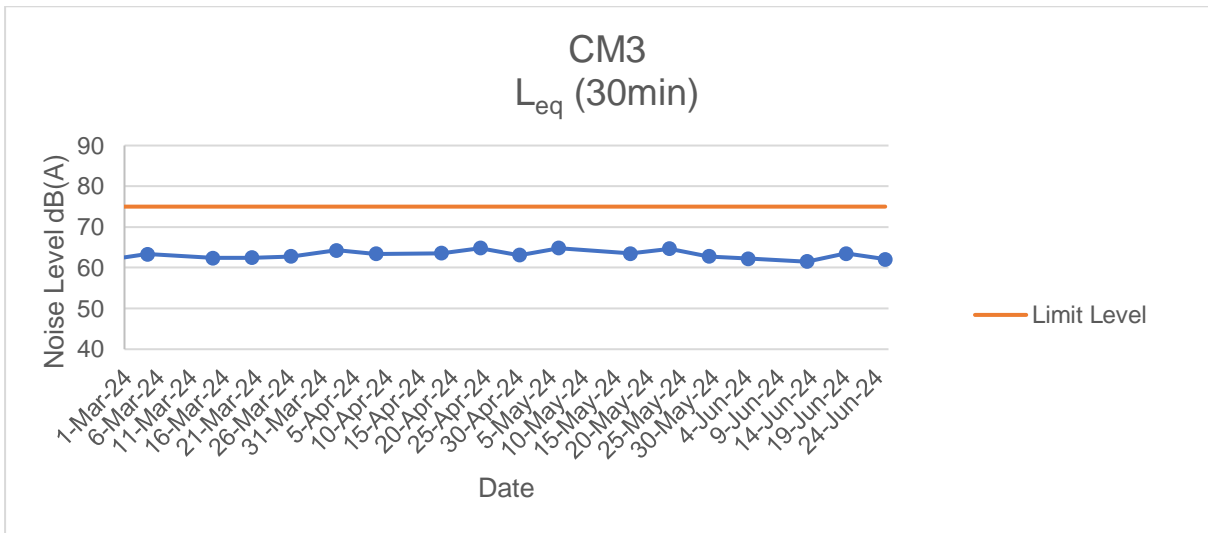
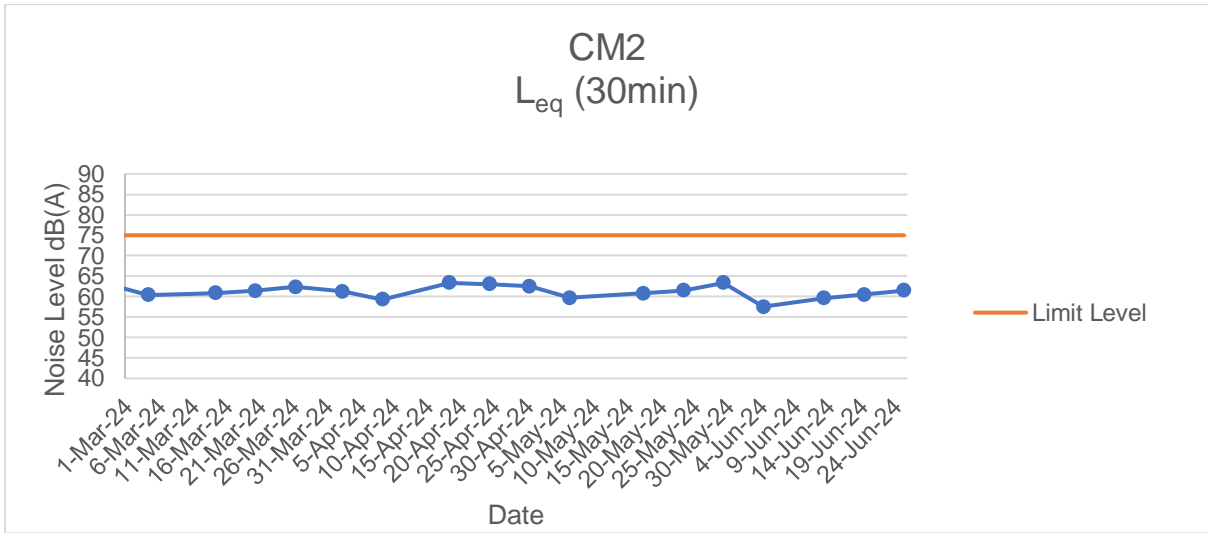
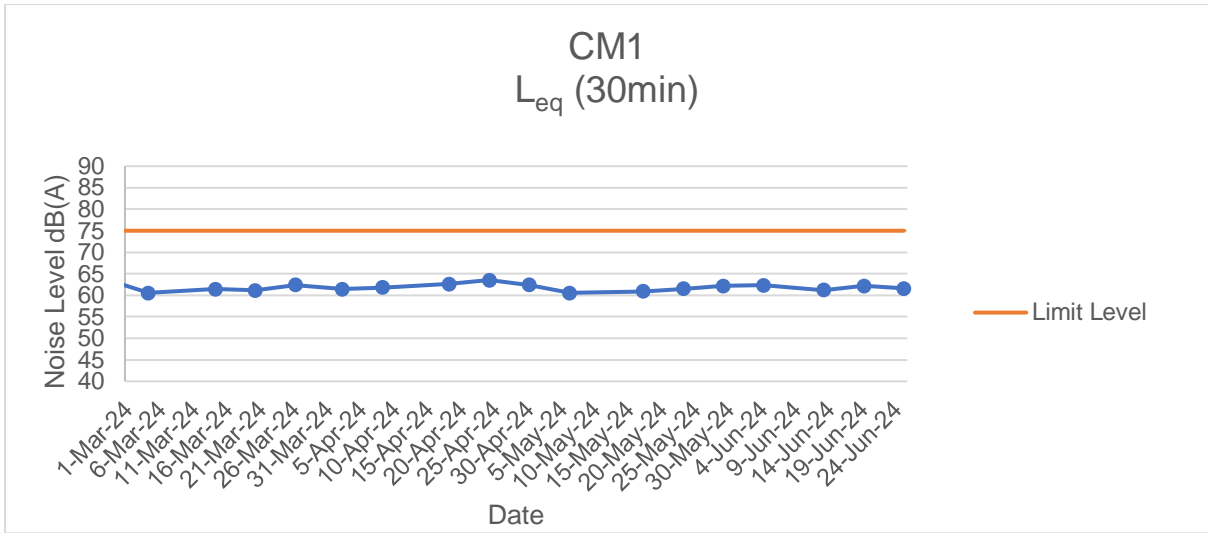
**CM3 - Squatter house to the east of YLSTW**

Date	Start Time	L <sub>eq</sub> 30min dB(A)	L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
4/06/2024	8:33	62.2	64.5	59.5	0.3	sunny	75
13/06/2024	8:19	61.5	63.5	58.4	0.5	sunny	75
19/06/2024	8:00	63.5	65.2	60.8	0.2	sunny	75
25/06/2024	8:24	62.1	64.4	58.8	0.3	sunny	75
	<b>Max</b>	63.5					
	<b>Min</b>	61.5					

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	3/06/2024	Mid-Flood	Cloudy	Low	10:47	2.6	M	1.30	1	0.073	186.146	7.21	7.21	2.68	2.70	26.1	26.10	39.6	38.90	2.98	2.97	21.64	21.815	31	31
M1	3/06/2024	Mid-Flood	Cloudy	Low	10:47	2.6	M	1.30	2			7.21		2.71		26.1		38.2		2.96		21.99		30	
M2	3/06/2024	Mid-Flood	Cloudy	Low	11:18	2.2	M	1.10	1	0.073	180.577	7.22	7.22	2.99	2.96	26.1	26.15	40.7	41.15	3.06	3.02	22.85	22.825	36	32
M2	3/06/2024	Mid-Flood	Cloudy	Low	11:18	2.2	M	1.10	2			7.22		2.92		26.2		41.6		2.97		22.8		27	
M3	3/06/2024	Mid-Flood	Cloudy	Low	11:26	1.9	M	0.95	1	0.083	164.764	7.21	7.20	3.38	3.36	26.1	26.10	51.1	51.50	3.84	3.85	36.57	36.71	23	22
M3	3/06/2024	Mid-Flood	Cloudy	Low	11:26	1.9	M	0.95	2			7.19		3.33		26.1		51.9		3.85		36.85		21	
M1	3/06/2024	Mid-Ebb	Cloudy	Low	17:25	2.5	M	1.25	1	0.063	306.827	7.18	7.19	2.96	2.95	26.0	26.05	36.4	35.70	2.74	2.70	24.12	24.215	26	27
M1	3/06/2024	Mid-Ebb	Cloudy	Low	17:25	2.5	M	1.25	2			7.19		2.94		26.1		35.0		2.66		24.31		27	
M2	3/06/2024	Mid-Ebb	Cloudy	Low	16:58	2.1	M	1.05	1	0.077	302.794	7.19	7.19	3.15	3.17	26.0	26.00	39.2	39.80	2.95	2.94	23.57	23.585	18	27
M2	3/06/2024	Mid-Ebb	Cloudy	Low	16:59	2.1	M	1.05	2			7.19		3.18		26.0		40.4		2.92		23.6		35	
M3	3/06/2024	Mid-Ebb	Cloudy	Low	17:39	1.8	M	0.90	1	0.066	308.691	7.21	7.20	3.47	3.51	26.0	26.05	50.4	50.35	3.79	3.73	33.54	33.585	23	26
M3	3/06/2024	Mid-Ebb	Cloudy	Low	17:39	1.8	M	0.90	2			7.19		3.54		26.1		50.3		3.66		33.63		29	

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	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	5/06/2024	Mid-Flood	Cloudy	Low	12:10	2.6	M	1.30	1	0.081	161.645	7.15	7.16	3.48	3.52	27.5	27.50	38.3	38.97	2.88	2.93	17.66	17.485	46	47
M1	5/06/2024	Mid-Flood	Cloudy	Low	12:10	2.6	M	1.30	2			7.17		3.55		27.5		39.6		2.98		17.31		48	
M2	5/06/2024	Mid-Flood	Cloudy	Low	12:48	2.2	M	1.10	1	0.086	183.004	7.2	7.21	3.38	3.37	27.5	27.55	35.8	36.44	2.69	2.74	20.45	20.335	52	53
M2	5/06/2024	Mid-Flood	Cloudy	Low	12:48	2.2	M	1.10	2			7.21		3.35		27.6		37.1		2.79		20.22		53	
M3	5/06/2024	Mid-Flood	Cloudy	Low	13:01	2	M	1.00	1	0.088	184.794	7.16	7.16	3.58	3.54	27.5	27.55	48.0	48.55	3.61	3.65	28.44	28.555	39	46
M3	5/06/2024	Mid-Flood	Cloudy	Low	13:01	2	M	1.00	2			7.16		3.49		27.6		49.1		3.69		28.67		52	
M1	5/06/2024	Mid-Ebb	Cloudy	Low	19:33	2.4	M	1.20	1	0.062	340.356	7.16	7.15	3.41	3.41	27.6	27.65	35.1	34.25	2.64	2.58	18.70	18.595	53	56
M1	5/06/2024	Mid-Ebb	Cloudy	Low	19:33	2.4	M	1.20	2			7.14		3.4		27.7		33.4		2.51		18.49		58	
M2	5/06/2024	Mid-Ebb	Cloudy	Low	19:13	2.1	M	1.05	1	0.062	344.837	7.12	7.11	3.24	3.23	27.6	27.65	37.2	37.11	2.8	2.79	19.87	20.015	55	53
M2	5/06/2024	Mid-Ebb	Cloudy	Low	19:13	2.1	M	1.05	2			7.1		3.22		27.7		37.0		2.78		20.16		50	
M3	5/06/2024	Mid-Ebb	Cloudy	Low	19:48	1.8	M	0.90	1	0.058	334.261	7.14	7.13	4.08	4.08	27.6	27.60	50.3	49.74	3.78	3.74	30.11	29.955	54	52
M3	5/06/2024	Mid-Ebb	Cloudy	Low	19:48	1.8	M	0.90	2			7.12		4.07		27.6		49.2		3.7		29.8		50	

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	62.7	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	7/06/2024	Mid-Flood	Cloudy	Low	13:41	2.4	M	1.20	1	0.075	191.017	7.11	7.12	3.48	3.50	27.5	27.50	38.3	38.97	2.88	2.93	17.66	17.84	111	106
M1	7/06/2024	Mid-Flood	Cloudy	Low	13:41	2.4	M	1.20	2			7.12		3.52		27.5		39.6		2.98		18.02		100	
M2	7/06/2024	Mid-Flood	Cloudy	Low	14:08	2.1	M	1.05	1	0.089	167.585	7.2	7.19	3.38	3.42	27.5	27.55	35.8	36.44	2.69	2.74	20.45	20.62	115	117
M2	7/06/2024	Mid-Flood	Cloudy	Low	14:08	2.1	M	1.05	2			7.18		3.45		27.6		37.1		2.79		20.79		119	
M3	7/06/2024	Mid-Flood	Cloudy	Low	14:23	1.8	M	0.90	1	0.093	184.403	7.12	7.13	3.58	3.63	27.5	27.55	48.0	48.55	3.61	3.65	28.44	28.58	101	97
M3	7/06/2024	Mid-Flood	Cloudy	Low	14:23	1.8	M	0.90	2			7.13		3.67		27.6		49.1		3.69		28.72		92	
M1	7/06/2024	Mid-Ebb	Cloudy	Low	8:58	2.5	M	1.25	1	0.067	343.628	7.18	7.18	3.41	3.42	27.6	27.65	35.1	34.25	2.64	2.58	18.70	18.57	93	121
M1	7/06/2024	Mid-Ebb	Cloudy	Low	8:58	2.5	M	1.25	2			7.17		3.42		27.7		33.4		2.51		18.44		148	
M2	7/06/2024	Mid-Ebb	Cloudy	Low	8:21	2.2	M	1.10	1	0.072	307.452	7.13	7.13	3.24	3.21	27.6	27.65	37.2	37.11	2.8	2.79	19.87	19.735	165	164
M2	7/06/2024	Mid-Ebb	Cloudy	Low	8:22	2.2	M	1.10	2			7.13		3.18		27.7		37.0		2.78		19.6		163	
M3	7/06/2024	Mid-Ebb	Cloudy	Low	9:11	1.8	M	0.90	1	0.073	307.474	7.15	7.16	4.08	4.13	27.6	27.60	50.3	49.74	3.78	3.74	30.11	30.14	79	78
M3	7/06/2024	Mid-Ebb	Cloudy	Low	9:12	1.8	M	0.90	2			7.17		4.17		27.6		49.2		3.7		30.17		77	

Remark

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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	127	137
M3(Impact Station)	3.28	3.14	74	78	127	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	145.2	157.3

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	10/06/2024	Mid-Flood	Cloudy	Low	15:45	2.4	M	1.20	1	0.086	188.768	7.08	7.08	3.69	3.67	27.4	27.40	38.0	37.70	2.86	2.84	21.70	21.68	29	31
M1	10/06/2024	Mid-Flood	Cloudy	Low	15:45	2.4	M	1.20	2			7.08		3.65		27.4		37.4		2.82		21.66		33	
M2	10/06/2024	Mid-Flood	Cloudy	Low	16:12	2	M	1.00	1	0.087	180.458	7.09	7.09	4.03	4.06	27.4	27.45	39.6	40.20	2.98	3.01	22.74	22.84	23	22
M2	10/06/2024	Mid-Flood	Cloudy	Low	16:12	2	M	1.00	2			7.09		4.09		27.5		40.8		3.04		22.94		21	
M3	10/06/2024	Mid-Flood	Cloudy	Low	16:33	1.7	M	0.85	1	0.089	169.355	7.1	7.11	4.88	4.86	27.4	27.40	50.0	50.65	3.76	3.75	36.83	36.735	33	34
M3	10/06/2024	Mid-Flood	Cloudy	Low	16:33	1.7	M	0.85	2			7.12		4.84		27.4		51.3		3.74		36.64		35	
M1	10/06/2024	Mid-Ebb	Cloudy	Low	8:36	2.3	M	1.15	1	0.074	320.573	7.06	7.06	3.79	3.84	27.1	27.10	39.2	39.00	2.95	2.90	22.58	22.475	35	32
M1	10/06/2024	Mid-Ebb	Cloudy	Low	8:37	2.3	M	1.15	2			7.05		3.88		27.1		38.8		2.84		22.37		29	
M2	10/06/2024	Mid-Ebb	Cloudy	Low	8:00	1.9	M	0.95	1	0.059	303.39	7.07	7.08	3.77	3.76	27.1	27.15	41.1	40.25	3.09	3.08	23.66	23.63	37	33
M2	10/06/2024	Mid-Ebb	Cloudy	Low	8:01	1.9	M	0.95	2			7.08		3.74		27.2		39.4		3.07		23.6		29	
M3	10/06/2024	Mid-Ebb	Cloudy	Low	8:48	1.7	M	0.85	1	0.062	313.784	7.11	7.12	4.36	4.32	27.1	27.15	51.6	50.80	3.88	3.88	35.55	35.475	30	30
M3	10/06/2024	Mid-Ebb	Cloudy	Low	8:49	1.7	M	0.85	2			7.12		4.27		27.2		50.0		3.88		35.4		29	

Remark

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- 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

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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	12/06/2024	Mid-Flood	Cloudy	Low	17:07	2.8	M	1.40	1	0.082	167.365	7.14	7.14	3.84	3.80	26.7	26.75	37.2	37.00	2.8	2.79	14.58	14.55	61	55
M1	12/06/2024	Mid-Flood	Cloudy	Low	17:07	2.8	M	1.40	2			7.14		3.76		26.8		36.8		2.77		14.52		48	
M2	12/06/2024	Mid-Flood	Cloudy	Low	17:38	2.4	M	1.20	1	0.085	168.324	7.12	7.12	4.32	4.33	26.7	26.75	36.7	36.05	2.76	2.71	15.77	15.735	51	55
M2	12/06/2024	Mid-Flood	Cloudy	Low	17:38	2.4	M	1.20	2			7.11		4.33		26.8		35.4		2.66		15.7		59	
M3	12/06/2024	Mid-Flood	Cloudy	Low	17:55	2.2	M	1.10	1	0.078	191.073	7.15	7.15	5.21	5.21	26.7	26.70	49.1	49.30	3.69	3.71	24.88	24.725	49	47
M3	12/06/2024	Mid-Flood	Cloudy	Low	17:55	2.2	M	1.10	2			7.14		5.2		26.7		49.5		3.72		24.57		44	
M1	12/06/2024	Mid-Ebb	Cloudy	Low	10:06	2.6	M	1.30	1	0.065	337.488	7.09	7.09	3.95	3.99	26.5	26.50	36.3	36.25	2.73	2.73	15.63	15.77	58	54
M1	12/06/2024	Mid-Ebb	Cloudy	Low	10:07	2.6	M	1.30	2			7.08		4.02		26.5		36.2		2.72		15.91		49	
M2	12/06/2024	Mid-Ebb	Cloudy	Low	9:34	2.1	M	1.05	1	0.07	322.626	7.12	7.11	4.08	4.11	26.5	26.55	37.1	37.75	2.79	2.84	16.78	16.58	51	47
M2	12/06/2024	Mid-Ebb	Cloudy	Low	9:34	2.1	M	1.05	2			7.1		4.14		26.6		38.4		2.89		16.38		42	
M3	12/06/2024	Mid-Ebb	Cloudy	Low	10:18	1.9	M	0.95	1	0.079	302.932	7.13	7.13	5.45	5.46	26.5	26.55	46.6	47.15	3.5	3.55	25.57	25.62	40	44
M3	12/06/2024	Mid-Ebb	Cloudy	Low	10:18	1.9	M	0.95	2			7.13		5.46		26.6		47.7		3.59		25.67		47	

Remark

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- 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	17/06/2024	Mid-Flood	Cloudy	Low	9:59	2.5	M	1.25	1	0.074	163.934	7.2	7.20	2.94	2.92	27.5	27.50	36.7	35.85	2.76	2.70	15.24	15.18	23	21
M1	17/06/2024	Mid-Flood	Cloudy	Low	10:00	2.5	M	1.25	2			7.2		2.9		27.5		35.0		2.63		15.12		19	
M2	17/06/2024	Mid-Flood	Cloudy	Low	10:33	2.1	M	1.05	1	0.091	189.087	7.21	7.20	3.29	3.32	27.5	27.50	39.4	38.45	2.96	2.89	15.88	15.675	23	24
M2	17/06/2024	Mid-Flood	Cloudy	Low	10:33	2.1	M	1.05	2			7.19		3.34		27.5		37.5		2.82		15.47		24	
M3	17/06/2024	Mid-Flood	Cloudy	Low	10:51	1.8	M	0.90	1	0.091	162.297	7.23	7.23	4.02	4.00	27.5	27.55	48.9	49.10	3.68	3.70	21.84	21.655	17	18
M3	17/06/2024	Mid-Flood	Cloudy	Low	10:51	1.8	M	0.90	2			7.23		3.97		27.6		49.3		3.71		21.47		18	
M1	17/06/2024	Mid-Ebb	Cloudy	Low	17:04	2.4	M	1.20	1	0.078	334.988	7.26	7.25	3.09	3.09	27.8	27.80	35.5	36.10	2.67	2.72	14.72	14.72	23	24
M1	17/06/2024	Mid-Ebb	Cloudy	Low	17:04	2.4	M	1.20	2			7.24		3.08		27.8		36.7		2.76		14.72		24	
M2	17/06/2024	Mid-Ebb	Cloudy	Low	16:27	2	M	1.00	1	0.07	311.02	7.24	7.24	3.32	3.32	27.8	27.80	36.2	35.45	2.72	2.67	13.71	13.84	26	27
M2	17/06/2024	Mid-Ebb	Cloudy	Low	16:28	2	M	1.00	2			7.23		3.31		27.8		34.7		2.61		13.97		27	
M3	17/06/2024	Mid-Ebb	Cloudy	Low	17:16	1.7	M	0.85	1	0.076	313.964	7.21	7.22	4.15	4.11	27.8	27.80	50.3	50.50	3.78	3.80	22.65	22.465	22	22
M3	17/06/2024	Mid-Ebb	Cloudy	Low	17:16	1.7	M	0.85	2			7.22		4.07		27.8		50.7		3.81		22.28		22	

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	19/06/2024	Mid-Flood	Cloudy	Low	11:21	2.3	M	1.15	1	0.087	166.212	7.08	7.09	2.88	2.87	26.5	26.55	39.6	39.75	2.98	2.96	17.72	17.515	13	14
M1	19/06/2024	Mid-Flood	Cloudy	Low	11:21	2.3	M	1.15	2			7.1		2.86		26.6		39.9		2.94		17.31		14	
M2	19/06/2024	Mid-Flood	Cloudy	Low	11:55	1.9	M	0.95	1	0.079	183.953	7.09	7.09	2.92	2.94	26.5	26.50	41.5	41.45	3.12	3.15	18.11	18.135	15	17
M2	19/06/2024	Mid-Flood	Cloudy	Low	11:56	1.9	M	0.95	2			7.08		2.95		26.5		41.4		3.17		18.16		18	
M3	19/06/2024	Mid-Flood	Cloudy	Low	12:04	1.7	M	0.85	1	0.077	178.261	7.12	7.13	3.30	3.27	26.5	26.55	51.6	50.95	3.88	3.83	31.58	31.66	15	15
M3	19/06/2024	Mid-Flood	Cloudy	Low	12:04	1.7	M	0.85	2			7.13		3.24		26.6		50.3		3.78		31.74		15	
M1	19/06/2024	Mid-Ebb	Cloudy	Low	16:51	2.4	M	1.20	1	0.079	341.397	7.11	7.11	2.98	2.97	26.8	26.85	37.1	36.10	2.79	2.72	18.05	18.06	15	15
M1	19/06/2024	Mid-Ebb	Cloudy	Low	16:51	2.4	M	1.20	2			7.11		2.96		26.9		35.1		2.64		18.07		15	
M2	19/06/2024	Mid-Ebb	Cloudy	Low	16:18	2.2	M	1.10	1	0.081	323.888	7.13	7.13	3.14	3.14	26.8	26.85	38.3	37.65	2.88	2.90	18.49	18.32	18	15
M2	19/06/2024	Mid-Ebb	Cloudy	Low	16:19	2.2	M	1.10	2			7.12		3.13		26.9		37.0		2.92		18.15		12	
M3	19/06/2024	Mid-Ebb	Cloudy	Low	17:03	1.9	M	0.95	1	0.071	315.926	7.16	7.16	3.55	3.54	26.8	26.85	48.8	48.40	3.67	3.64	30.55	30.51	16	17
M3	19/06/2024	Mid-Ebb	Cloudy	Low	17:03	1.9	M	0.95	2			7.15		3.53		26.9		48.0		3.6		30.47		18	

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	21/06/2024	Mid-Flood	Cloudy	Low	12:50	2.6	M	1.30	1	0.082	177.073	7.16	7.16	3.55	3.54	27.6	27.65	35.8	35.90	2.69	2.75	20.55	20.395	54	51
M1	21/06/2024	Mid-Flood	Cloudy	Low	12:51	2.6	M	1.30	2			7.16		3.53		27.7		36.0		2.8		20.24		48	
M2	21/06/2024	Mid-Flood	Cloudy	Low	13:25	2.1	M	1.05	1	0.089	188.546	7.18	7.18	3.68	3.69	27.6	27.60	37.0	36.50	2.78	2.72	19.78	19.78	53	57
M2	21/06/2024	Mid-Flood	Cloudy	Low	13:25	2.1	M	1.05	2			7.18		3.69		27.6		36.0		2.65		19.78		60	
M3	21/06/2024	Mid-Flood	Cloudy	Low	13:36	1.8	M	0.90	1	0.088	188.487	7.2	7.19	4.47	4.43	27.6	27.60	47.7	47.00	3.59	3.52	31.73	31.58	59	58
M3	21/06/2024	Mid-Flood	Cloudy	Low	13:36	1.8	M	0.90	2			7.18		4.38		27.6		46.3		3.45		31.43		56	
M1	21/06/2024	Mid-Ebb	Cloudy	Low	8:36	2.4	M	1.20	1	0.075	326.851	7.14	7.14	3.47	3.45	27.2	27.25	36.2	36.45	2.72	2.71	19.73	19.64	48	53
M1	21/06/2024	Mid-Ebb	Cloudy	Low	8:36	2.4	M	1.20	2			7.13		3.42		27.3		36.7		2.7		19.55		58	
M2	21/06/2024	Mid-Ebb	Cloudy	Low	8:03	2.2	M	1.10	1	0.058	308.923	7.19	7.20	3.43	3.46	27.2	27.20	37.1	36.15	2.79	2.81	18.80	18.77	41	47
M2	21/06/2024	Mid-Ebb	Cloudy	Low	8:03	2.2	M	1.10	2			7.21		3.49		27.2		35.2		2.82		18.74		52	
M3	21/06/2024	Mid-Ebb	Cloudy	Low	8:55	2	M	1.00	1	0.074	301.909	7.21	7.22	4.21	4.21	27.2	27.20	48.9	48.40	3.68	3.65	30.79	30.96	65	73
M3	21/06/2024	Mid-Ebb	Cloudy	Low	8:55	2	M	1.00	2			7.23		4.2		27.2		47.9		3.61		31.13		80	

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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	71.4	77.35



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	24/06/2024	Mid-Flood	Cloudy	Low	15:01	2.6	M	1.30	1	0.094	167.687	7.16	7.17	3.66	3.66	26.7	26.75	39.6	40.00	2.98	3.01	21.74	21.905	79	60
M1	24/06/2024	Mid-Flood	Cloudy	Low	15:01	2.6	M	1.30	2			7.17		3.66		26.8		40.4		3.04		22.07		41	
M2	24/06/2024	Mid-Flood	Cloudy	Low	15:36	2.3	M	1.15	1	0.08	164.743	7.17	7.18	3.78	3.78	26.7	26.70	40.3	39.25	3.03	2.99	22.92	23.005	13	13
M2	24/06/2024	Mid-Flood	Cloudy	Low	15:36	2.3	M	1.15	2			7.19		3.78		26.7		38.2		2.95		23.09		12	
M3	24/06/2024	Mid-Flood	Cloudy	Low	15:53	2	M	1.00	1	0.073	181.894	7.2	7.21	4.40	4.40	26.7	26.70	50.3	50.00	3.78	3.76	32.71	32.79	17	18
M3	24/06/2024	Mid-Flood	Cloudy	Low	15:53	2	M	1.00	2			7.22		4.4		26.7		49.7		3.74		32.87		18	
M1	24/06/2024	Mid-Ebb	Cloudy	Low	10:11	2.5	M	1.25	1	0.08	329.168	7.12	7.11	3.40	3.40	27.1	27.10	38.4	39.15	2.89	2.95	21.67	21.615	50	52
M1	24/06/2024	Mid-Ebb	Cloudy	Low	10:11	2.5	M	1.25	2			7.1		3.4		27.1		39.9		3		21.56		53	
M2	24/06/2024	Mid-Ebb	Cloudy	Low	9:38	2.1	M	1.05	1	0.074	308.822	7.15	7.16	3.39	3.39	27.1	27.10	41.4	41.00	3.11	3.08	22.62	22.4	36	37
M2	24/06/2024	Mid-Ebb	Cloudy	Low	9:39	2.1	M	1.05	2			7.17		3.39		27.1		40.6		3.05		22.18		37	
M3	24/06/2024	Mid-Ebb	Cloudy	Low	10:25	1.9	M	0.95	1	0.068	302.135	7.18	7.18	4.14	4.14	27.1	27.15	48.9	49.65	3.68	3.74	31.55	31.34	36	37
M3	24/06/2024	Mid-Ebb	Cloudy	Low	10:25	1.9	M	0.95	2			7.18		4.14		27.2		50.4		3.79		31.13		38	

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	26/06/2024	Mid-Flood	Cloudy	Low	16:28	2.8	M	1.40	1	0.089	170.316	7.16	7.17	3.16	3.14	27.1	27.15	37.9	37.65	2.85	2.83	21.50	21.35	58	59
M1	26/06/2024	Mid-Flood	Cloudy	Low	16:28	2.8	M	1.40	2			7.17		3.11		27.2		37.4		2.81		21.2		59	
M2	26/06/2024	Mid-Flood	Cloudy	Low	16:57	2.4	M	1.20	1	0.092	165.775	7.18	7.18	3.25	3.23	27.1	27.10	38.8	39.40	2.92	2.97	22.54	22.505	74	75
M2	26/06/2024	Mid-Flood	Cloudy	Low	16:58	2.4	M	1.20	2			7.17		3.2		27.1		40.0		3.01		22.47		75	
M3	26/06/2024	Mid-Flood	Cloudy	Low	17:11	2.1	M	1.05	1	0.077	167.51	7.15	7.14	3.48	3.47	27.1	27.15	49.9	50.50	3.75	3.80	32.46	32.425	67	65
M3	26/06/2024	Mid-Flood	Cloudy	Low	17:11	2.1	M	1.05	2			7.13		3.45		27.2		51.1		3.84		32.39		62	
M1	26/06/2024	Mid-Ebb	Cloudy	Low	9:38	2.6	M	1.30	1	0.078	325.213	7.14	7.15	3.36	3.33	26.8	26.85	39.8	40.50	2.99	3.05	22.45	22.53	61	62
M1	26/06/2024	Mid-Ebb	Cloudy	Low	9:38	2.6	M	1.30	2			7.15		3.29		26.9		41.2		3.1		22.61		63	
M2	26/06/2024	Mid-Ebb	Cloudy	Low	9:10	2.3	M	1.15	1	0.075	309.421	7.13	7.12	3.48	3.53	26.8	26.80	40.4	40.70	3.04	3.06	22.89	22.745	78	90
M2	26/06/2024	Mid-Ebb	Cloudy	Low	9:11	2.3	M	1.15	2			7.11		3.57		26.8		41.0		3.08		22.6		102	
M3	26/06/2024	Mid-Ebb	Cloudy	Low	9:55	2	M	1.00	1	0.081	334.48	7.12	7.12	3.88	3.85	26.8	26.80	48.4	48.40	3.64	3.64	33.11	33.115	71	75
M3	26/06/2024	Mid-Ebb	Cloudy	Low	9:55	2	M	1.00	2			7.12		3.81		26.8		48.4		3.64		33.12		78	

Remark

- Orange and Bold: Action Level Exceedance (For Impact Station Only)
- Red and Bold: Limit Level Exceedance (For Impact Station Only)
- Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day.
- Limit Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.
- Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.
- 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	98.7	106.925

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	28/06/2024	Mid-Flood	Sunny	Low	8:16	2.4	M	1.20	1	0.091	184.74	7.2	7.19	3.14	3.15	27.5	27.50	35.8	35.25	2.69	2.65	20.45	20.53	28	30
M1	28/06/2024	Mid-Flood	Sunny	Low	8:16	2.4	M	1.20	2			7.18		3.16		27.5		34.7		2.61		20.61		32	
M2	28/06/2024	Mid-Flood	Sunny	Low	8:44	2.1	M	1.05	1	0.094	177.989	7.21	7.21	3.22	3.24	27.5	27.55	34.7	34.65	2.61	2.61	20.79	20.935	34	35
M2	28/06/2024	Mid-Flood	Sunny	Low	8:44	2.1	M	1.05	2			7.21		3.25		27.6		34.6		2.6		21.08		35	
M3	28/06/2024	Mid-Flood	Sunny	Low	8:53	1.8	M	0.90	1	0.076	176.156	7.23	7.23	3.99	4.03	27.5	27.55	51.5	51.30	3.87	3.86	31.12	31.03	23	27
M3	28/06/2024	Mid-Flood	Sunny	Low	8:53	1.8	M	0.90	2			7.22		4.06		27.6		51.1		3.84		30.94		31	
M1	28/06/2024	Mid-Ebb	Sunny	Low	11:49	2.3	M	1.15	1	0.079	333.218	7.19	7.19	3.36	3.36	27.8	27.85	37.0	36.30	2.78	2.73	21.45	21.505	29	29
M1	28/06/2024	Mid-Ebb	Sunny	Low	11:50	2.3	M	1.15	2			7.19		3.36		27.9		35.6		2.68		21.56		28	
M2	28/06/2024	Mid-Ebb	Sunny	Low	11:24	2	M	1.00	1	0.069	342.807	7.22	7.21	3.37	3.42	27.8	27.80	38.4	38.40	2.89	2.89	21.88	21.75	32	30
M2	28/06/2024	Mid-Ebb	Sunny	Low	11:25	2	M	1.00	2			7.2		3.46		27.8		38.4		2.89		21.62		27	
M3	28/06/2024	Mid-Ebb	Sunny	Low	12:04	1.9	M	0.95	1	0.079	325.455	7.24	7.24	4.08	4.04	27.8	27.80	53.1	52.20	3.99	3.93	30.89	30.95	28	31
M3	28/06/2024	Mid-Ebb	Sunny	Low	12:04	1.9	M	0.95	2			7.23		4		27.8		51.3		3.86		31.01		34	

Remark

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- Red and Bold: Limit Level Exceedance (For Impact Station Only)
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- Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.
- Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

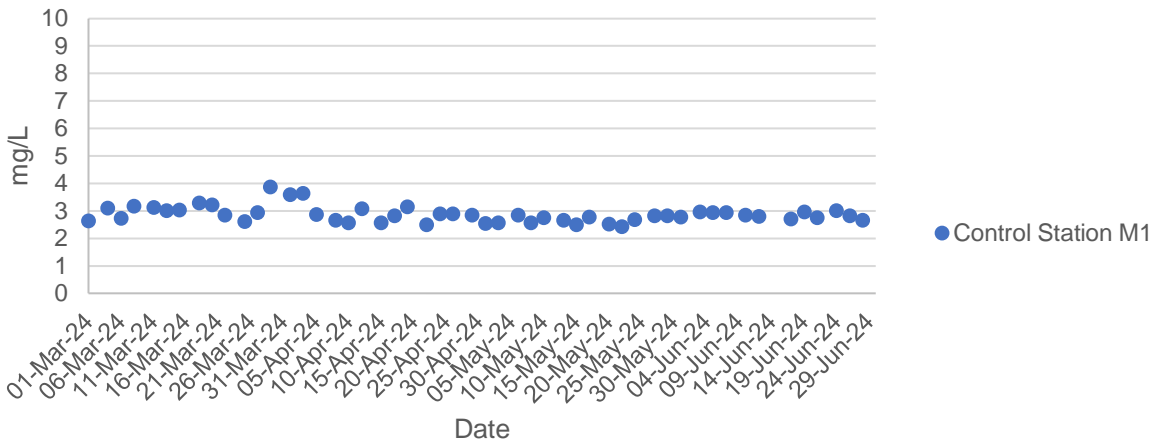
For Flood Tide

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

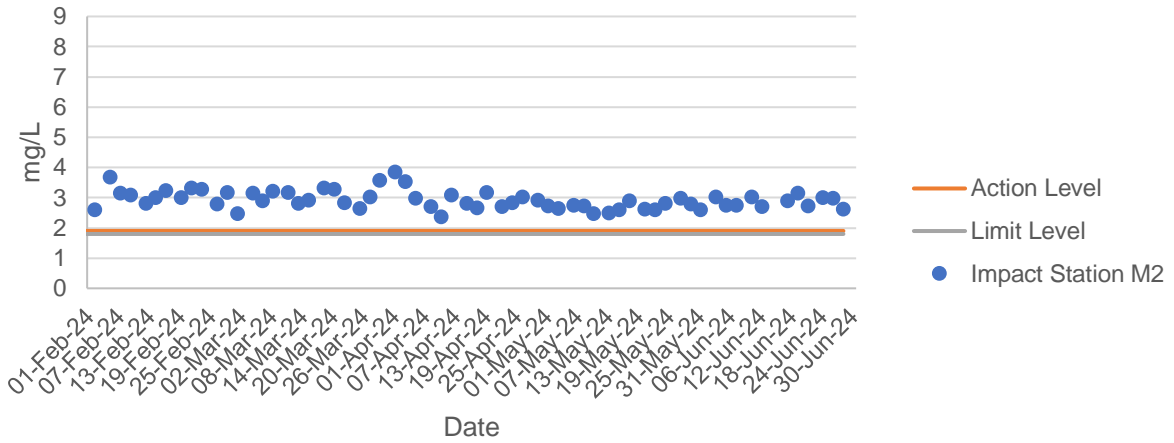
For Ebb Tide

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

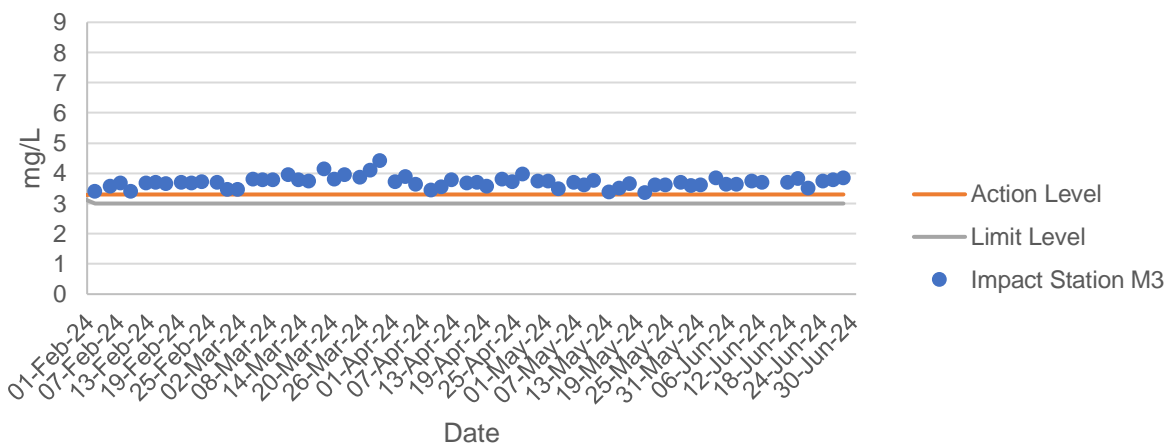
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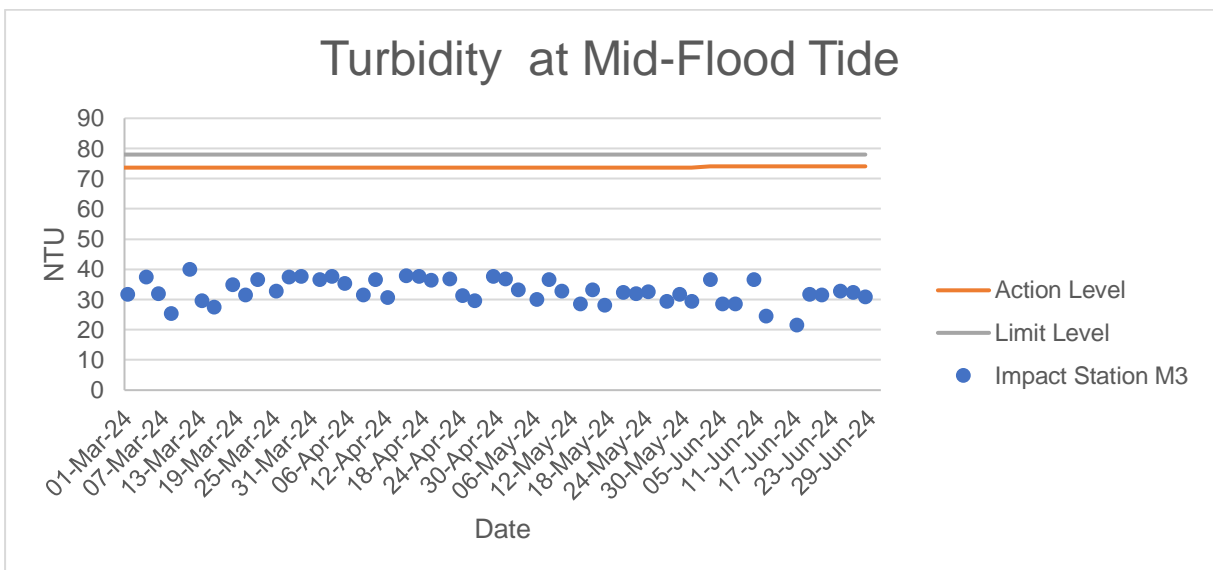
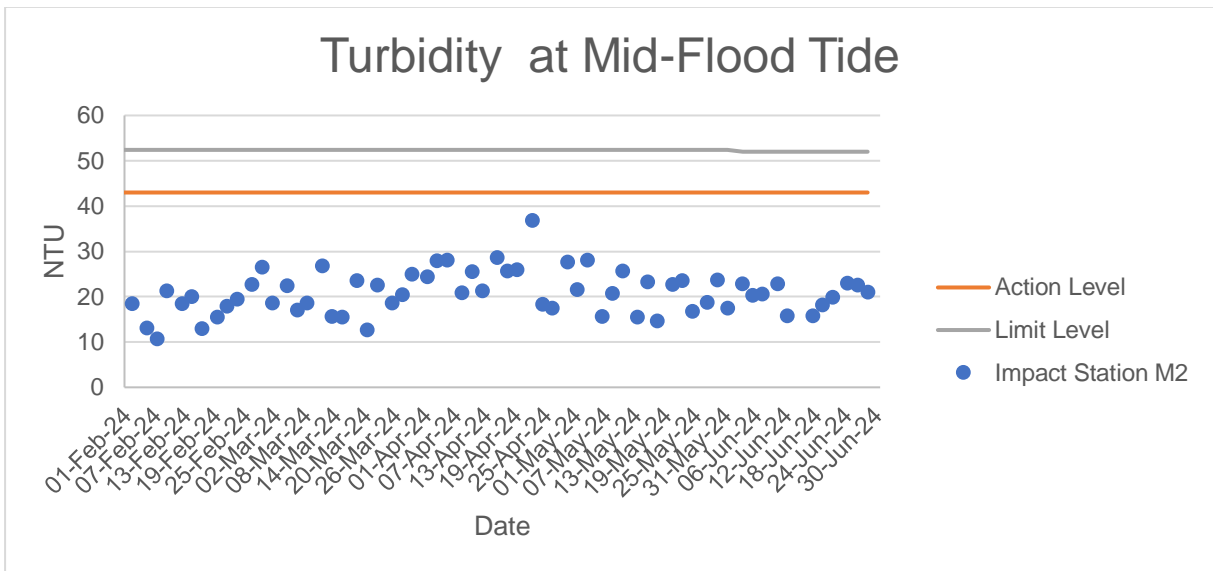
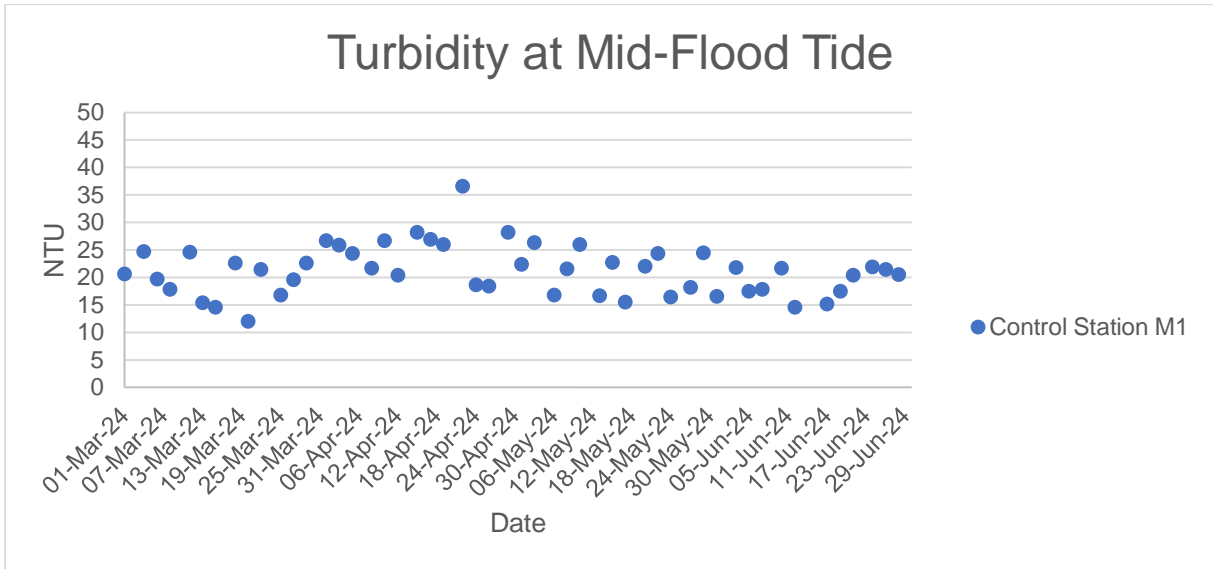


### Dissolved Oxygen at Mid-Flood Tide

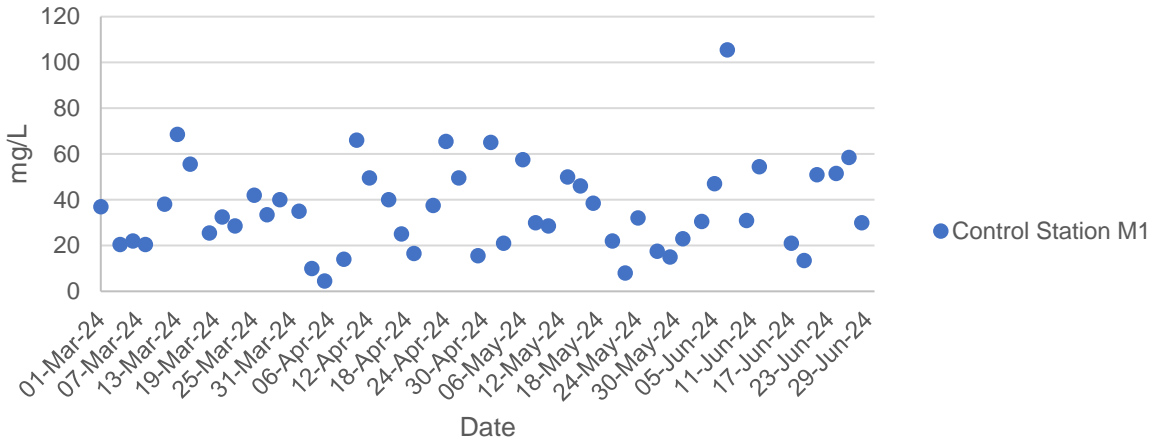


### Dissolved Oxygen at Mid-Flood Tide

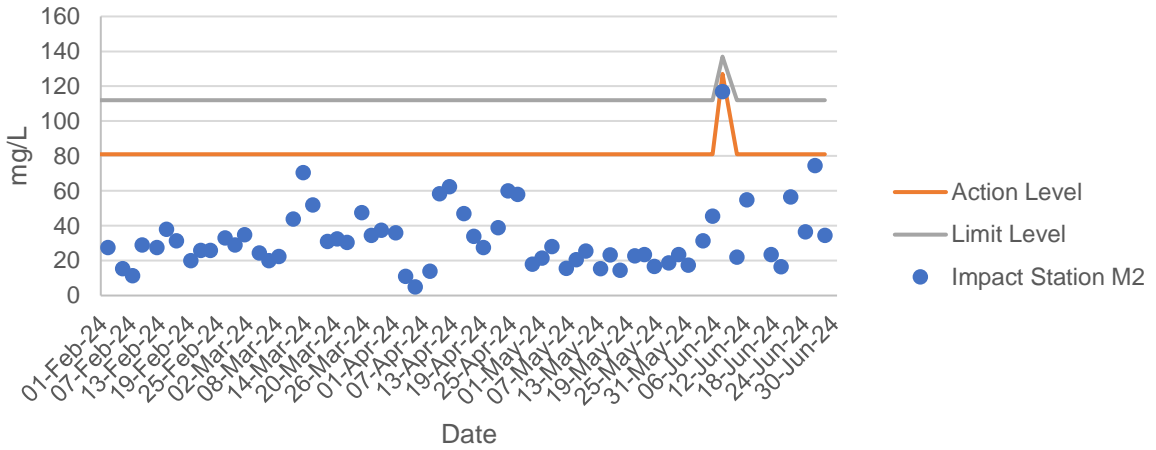




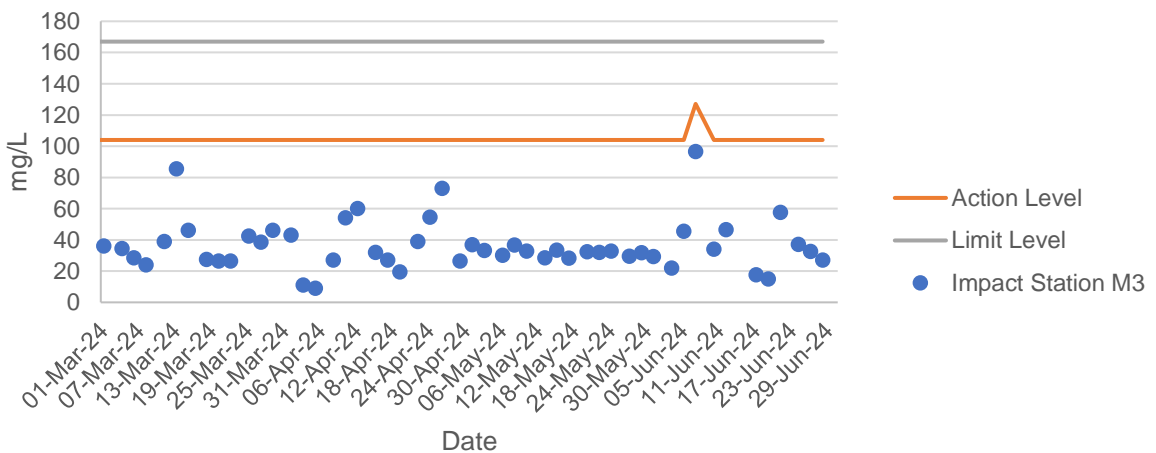
### Total Suspended Solids at Mid-Flood Tide



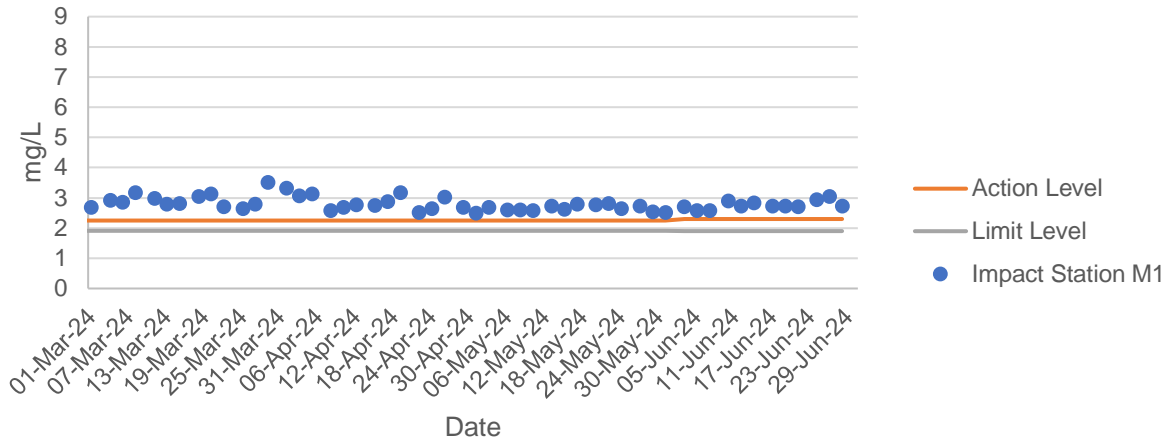
### Total Suspended Solids at Mid-Flood Tide



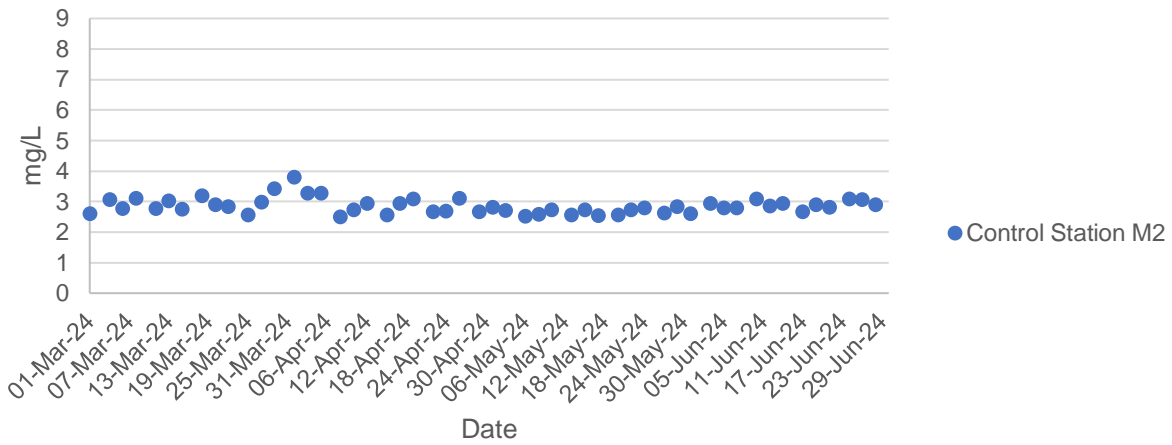
### Total Suspended Solids at Mid-Flood Tide



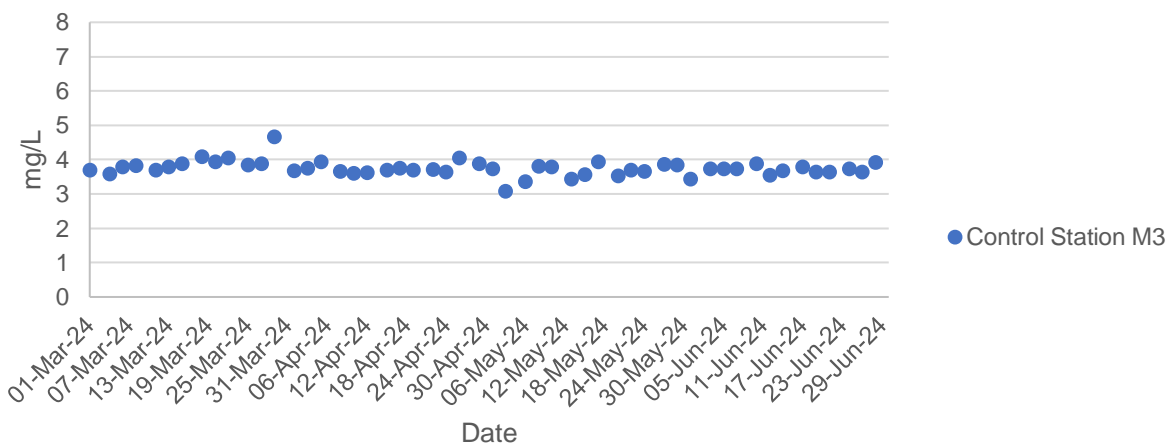
### Dissolved Oxygen at Mid-Ebb Tide



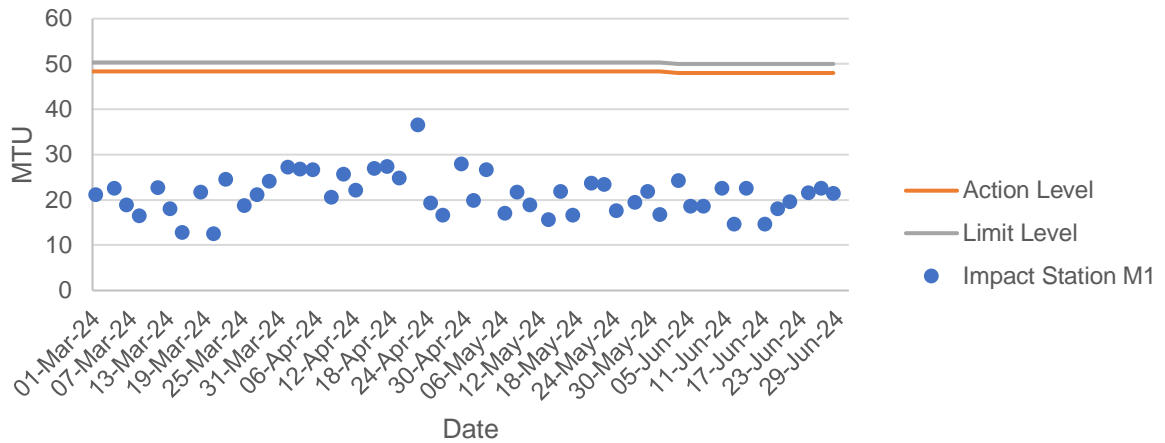
### Dissolved Oxygen at Mid-Ebb Tide



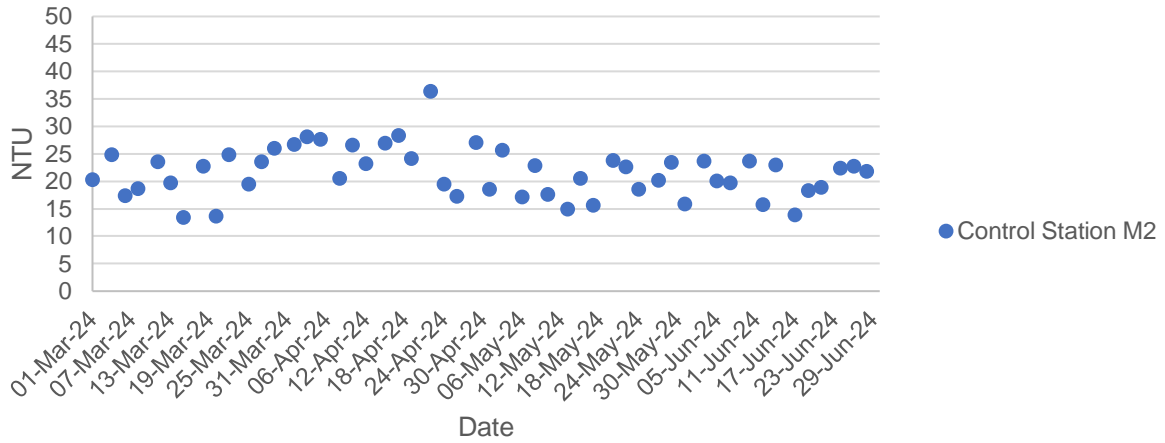
### Dissolved Oxygen at Mid-Ebb Tide



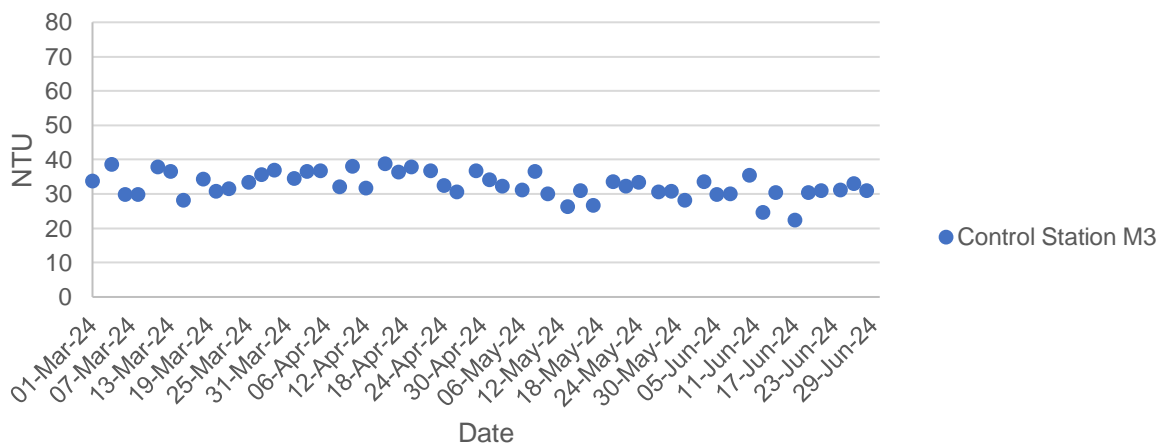
### Turbidity at Mid-Ebb Tide



### Turbidity at Mid-Ebb Tide

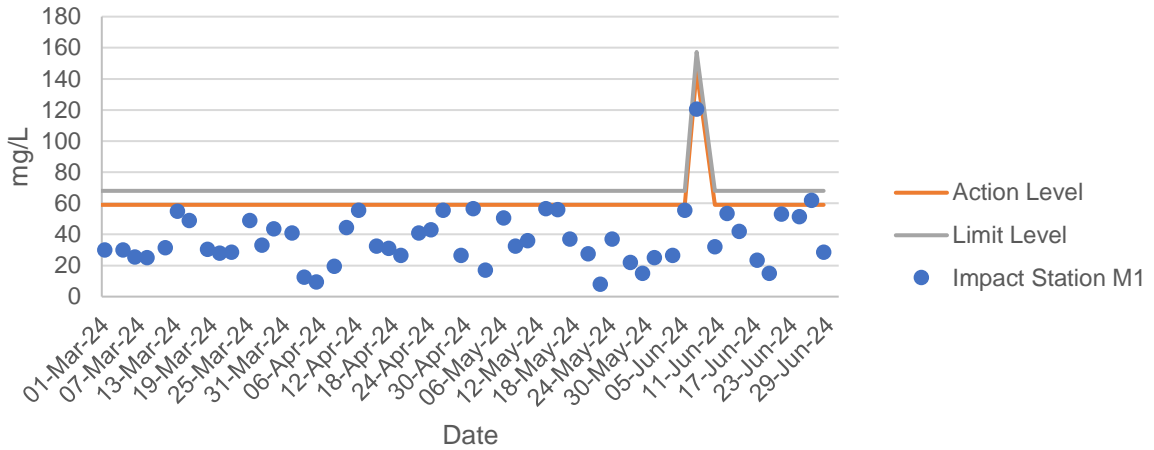


### Turbidity at Mid-Ebb Tide

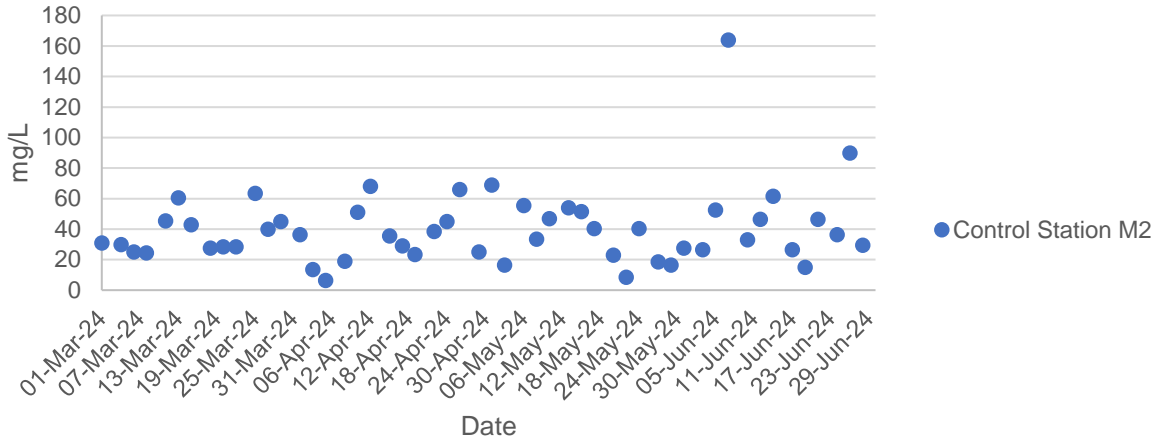




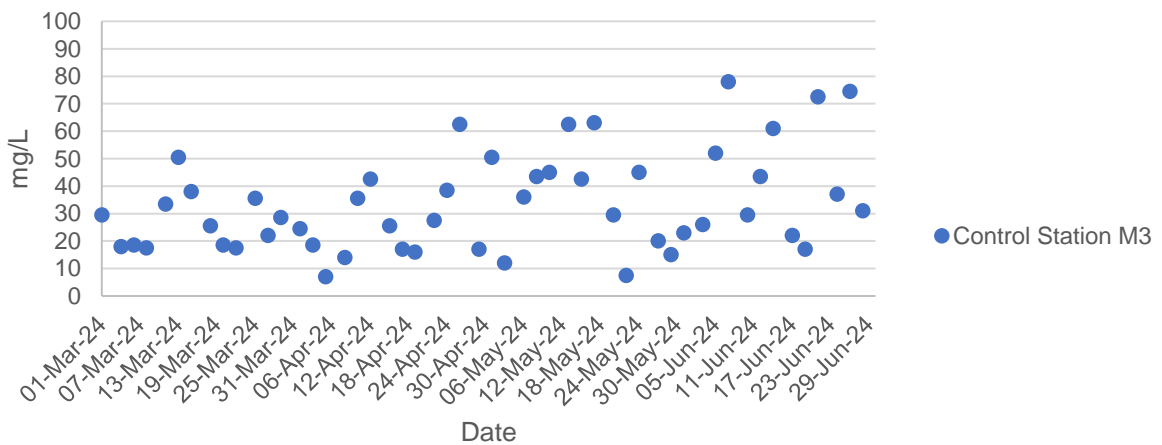
### Total Suspended Solids at Mid-Ebb Tide



### 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 and 19 June 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 <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
13/06/2024	Daytime	Wet	FLW	Point Count	FLW1	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	FLW	Point Count	FLW1	Barn Swallow	<i>Hirundo rustica</i>	3	Abundant	PM,SV	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW1	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW1	Crested Myna	<i>Acridotheres cristatellus</i>	6	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW1	Common Myna	<i>Acridotheres tristis</i>	4	Uncommon	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	23	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	FLW	Point Count	FLW2	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	FLW	Point Count	FLW2	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW2	Azure-winged Magpie	<i>Cyanopica cyanus</i>	3	Introduced	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW2	Chinese Bulbul	<i>Pycnonotus sinensis</i>	11	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW2	Crested Myna	<i>Acridotheres cristatellus</i>	6	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW2	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW3	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW3	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW3	Barn Swallow	<i>Hirundo rustica</i>	3	Abundant	PM,SV	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW3	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW4	Common Myna	<i>Acridotheres tristis</i>	2	Uncommon	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW4	Red-billed Starling	<i>Spodiopsar sericeus</i>	7	Common	WV	GC	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	FLW	Point Count	FLW4	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW5	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	FLW	Point Count	FLW5	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
13/06/2024	Daytime	Wet	FLW	Point Count	FLW5	Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>	2	Common	R	-	-	-	-	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW5	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW5	Red-billed Starling	<i>Spodiopsar sericeus</i>	6	Common	WV	GC	-	-	LC	LC	Y	Y

## Appendix F.1 Ecological Bird Monitoring Result (13 and 19 June 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 <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
13/06/2024	Daytime	Wet	FLW	Point Count	FLW5	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW5	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW6	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	FLW	Point Count	FLW6	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	FLW	Point Count	FLW6	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
13/06/2024	Daytime	Wet	FLW	Point Count	FLW6	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW6	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW6	Crested Myna	<i>Acridotheres cristatellus</i>	3	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW6	Black-collared Starling	<i>Gracupica nigricollis</i>	2	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW7	Chinese Pond Heron	<i>Ardeola bacchus</i>	17	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	FLW	Point Count	FLW7	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	FLW	Point Count	FLW7	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	4	Common	-	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW7	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW7	Greater Coucal	<i>Centropus sinensis</i>	2	Common	R	-	Class II	VU	LC	LC	Y	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW7	Azure-winged Magpie	<i>Cyanopica cyanus</i>	11	Introduced	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW7	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Point Count	FLW7	Crested Myna	<i>Acridotheres cristatellus</i>	7	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Transect	FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	FLW	Transect	FLW	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	FLW	Transect	FLW	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	4	Common	R	-	-	-	LC	LC	N	Y
13/06/2024	Daytime	Wet	FLW	Transect	FLW	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Transect	FLW	Spotted Dove	<i>Spilopelia chinensis</i>	8	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	FLW	Transect	FLW	Greater Coucal	<i>Centropus sinensis</i>	2	Common	R	-	Class II	VU	LC	LC	Y	N
13/06/2024	Daytime	Wet	FLW	Transect	FLW	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	2	Common	R	-	-	-	LC	LC	Y	Y

## Appendix F.1 Ecological Bird Monitoring Result (13 and 19 June 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 <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>	
13/06/2024	Daytime	Wet	FLW	Transect	FLW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	8	Introduced	R	-	-	-	LC	LC	N	N	
13/06/2024	Daytime	Wet	FLW	Transect	FLW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	8	Abundant	R	-	-	-	LC	LC	N	N	
13/06/2024	Daytime	Wet	FLW	Transect	FLW	Barn Swallow	<i>Hirundo rustica</i>	8	Abundant	PM,SV	-	-	-	LC	LC	N	N	
13/06/2024	Daytime	Wet	FLW	Transect	FLW	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N	
13/06/2024	Daytime	Wet	FLW	Transect	FLW	Common Myna	<i>Acridotheres tristis</i>	2	Uncommon	R	-	-	-	LC	LC	N	N	
13/06/2024	Daytime	Wet	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	2	Common	R	-	-	-	LC	LC	N	N	
13/06/2024	Daytime	Wet	FLW	Transect	FLW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N	
13/06/2024	Daytime	Wet	FLW	Transect	FLW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N	
13/06/2024	Daytime	Wet	NSW	Point Count	NSW1	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y	
13/06/2024	Daytime	Wet	NSW	Point Count	NSW1	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y	
13/06/2024	Daytime	Wet	NSW	Point Count	NSW1	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y	
13/06/2024	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N	
13/06/2024	Daytime	Wet	NSW	Point Count	NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N	
13/06/2024	Daytime	Wet	NSW	Point Count	NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N	
13/06/2024	Daytime	Wet	NSW	Point Count	NSW1	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N	
13/06/2024	Daytime	Wet	NSW	Point Count	NSW1	Swinhoe's White-eye	<i>Zosterops simplex</i>	3	Abundant	R	-	-	-	LC	LC	N	N	
13/06/2024	Daytime	Wet	NSW	Point Count	NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	2	Common	R	-	-	-	LC	LC	N	N	
13/06/2024	Daytime	Wet	NSW	Point Count	NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N	
13/06/2024	Daytime	Wet	NSW	Point Count	NSW1	White-shouldered Starling	<i>Sturnia sinensis</i>	3	Common	M,W,Su	(LC)	-	-	-	LC	LC	Y	N
13/06/2024	Daytime	Wet	NSW	Point Count	NSW1	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N	
13/06/2024	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Tree Sparrow	<i>Passer montanus</i>	4	Abundant	R	-	-	-	LC	LC	N	N	
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y	
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y	
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y	

## Appendix F.1 Ecological Bird Monitoring Result (13 and 19 June 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 <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Asian Koel	<i>Eudynamis scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Bulbul	<i>Pycnonotus sinensis</i>	6	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Swinhoe's White-eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Common Moorhen	<i>Gallinula chloropus</i>	1	Common	R	-	-	-	LC	LC	N	Y
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Asian Koel	<i>Eudynamis scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	-	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Barn Swallow	<i>Hirundo rustica</i>	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Crested Myna	<i>Acridotheres cristatellus</i>	2	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Black-collared Starling	<i>Gracupica nigricollis</i>	1	Common	R	-	-	-	LC	LC	N	N

## Appendix F.1 Ecological Bird Monitoring Result (13 and 19 June 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 <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	8	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Great Egret	<i>Ardea alba</i>	4	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Little Egret	<i>Egretta garzetta</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Moorhen	<i>Gallinula chloropus</i>	1	Common	R	-	-	-	LC	LC	N	Y
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Japanese Tit	<i>Parus minor</i>	3	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Plain Prinia	<i>Prinia inornata</i>	3	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Crested Myna	<i>Acridotheres crisatellus</i>	2	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Oriental Magpie Robin	<i>Copsychus sauralis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Transect	NSW	Chinese Pond Heron	<i>Ardeola bacchus</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	NSW	Transect	NSW	Great Egret	<i>Ardea alba</i>	5	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	NSW	Transect	NSW	Little Egret	<i>Egretta garzetta</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	NSW	Transect	NSW	Black Kite	<i>Milvus migrans</i>	2	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	NSW	Transect	NSW	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
13/06/2024	Daytime	Wet	NSW	Transect	NSW	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Transect	NSW	Asian Koel	<i>Eudynamis scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Transect	NSW	Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>	2	Common	R	-	-	-	-	LC	N	N
13/06/2024	Daytime	Wet	NSW	Transect	NSW	Japanese Tit	<i>Parus minor</i>	3	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Transect	NSW	Barn Swallow	<i>Hirundo rustica</i>	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Transect	NSW	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Transect	NSW	Common Tailorbird	<i>Orthotomus sutorius</i>	2	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Transect	NSW	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Transect	NSW	Swinhoe's White-eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N



## Appendix F.1 Ecological Bird Monitoring Result (13 and 19 June 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 <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
13/06/2024	Daytime	Wet	NSW	Transect	NSW	Crested Myna	<i>Acridotheres cristatellus</i>	2	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Transect	NSW	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Transect	NSW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	NSW	Transect	NSW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Great Egret	<i>Ardea alba</i>	8	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Little Egret	<i>Egretta garzetta</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
13/06/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
13/06/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Moorhen	<i>Gallinula chloropus</i>	2	Common	R	-	-	-	LC	LC	N	Y
13/06/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Asian Koel	<i>Eudynamis scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Large Hawk-Cuckoo	<i>Hierococcyx sparverioides</i>	1	Common	PM,SV	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Barn Swallow	<i>Hirundo rustica</i>	6	Abundant	PM,SV	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Crested Myna	<i>Acridotheres cristatellus</i>	5	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N
13/06/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
19/06/2024	Night-time	Wet	FLW	Point Count	FLW1	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	2	Common	R,WV	-	-	-	LC	LC	N	Y
19/06/2024	Night-time	Wet	FLW	Transect	FLW	Savanna Nightjar	<i>Caprimulgus affinis</i>	1	Uncommon	R,PM	-	-	-	DD	-	N	N
19/06/2024	Night-time	Wet	NSW	Point Count	NSW1	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
19/06/2024	Night-time	Wet	NSW	Point Count	SP/NSW1	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	1	Common	R,WV	-	-	-	LC	LC	N	Y
19/06/2024	Night-time	Wet	NSW	Point Count	SP/NSW1	Large Hawk-Cuckoo	<i>Hierococcyx sparverioides</i>	1	Common	PM,SV	-	-	-	LC	LC	N	N
19/06/2024	Night-time	Wet	NSW	Point Count	SP/NSW1	Savanna Nightjar	<i>Caprimulgus affinis</i>	1	Uncommon	R,PM	-	-	-	DD	-	N	N



Appendix F.1 Ecological Bird Monitoring Result (13 and 19 June 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 <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
19/06/2024	Night-time	Wet	YLIE-CW	Transect	YLIE-CW	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	3	Common	R,WV	-	-	-	LC	LC	N	Y
19/06/2024	Night-time	Wet	YLIE-CW	Transect	YLIE-CW	Savanna Nightjar	<i>Caprimulgus affinis</i>	2	Uncommon	R.PM	-	-	-	DD	-	N	N

Notes:

- All wild birds are protected under Wild Animals Protection Ordinance (Cap. 170).
- AFCD (2021). Hong Kong Biodiversity Database.
- Carey et al. (2001): R=resident; WV=winter visitor; SV=summer visitor; PM=passage migrant; Sp=spring; A=autumn;
- 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.
- List of Wild Animals under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).
- Zheng, G. M. and Wang, Q. S. (1998). China Red Data Book
- IUCN 2021. The IUCN Red List of Threatened Species. Version 2020-3.
- Wetland-dependent species (including wetland-dependent species and waterbirds).
- 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 and 19 June 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Nycticorax nycticorax</i>	3	0.0106	-4.5504	-0.0481	0.2187
<i>Ardeola bacchus</i>	53	0.1866	-1.6787	-0.3133	0.5259
<i>Ardea alba</i>	9	0.0317	-3.4517	-0.1094	0.3776
<i>Egretta garzetta</i>	7	0.0246	-3.7031	-0.0913	0.3380
<i>Milvus migrans</i>	1	0.0035	-5.6490	-0.0199	0.1124
<i>Amaurornis phoenicurus</i>	8	0.0282	-3.5695	-0.1006	0.3589
<i>Gallinula chloropus</i>	2	0.0070	-4.9558	-0.0349	0.1730
<i>Streptopelia decaocto</i>	6	0.0211	-3.8572	-0.0815	0.3143
<i>Spilopelia chinensis</i>	13	0.0458	-3.0840	-0.1412	0.4354
<i>Centropus sinensis</i>	3	0.0106	-4.5504	-0.0481	0.2187
<i>Eudynamis scolopaceus</i>	2	0.0070	-4.9558	-0.0349	0.1730
<i>Hierococcyx sparveriioides</i>	1	0.0035	-5.6490	-0.0199	0.1124
<i>Caprimulgus affinis</i>	1	0.0035	-5.6490	-0.0199	0.1124
<i>Halcyon smyrnensis</i>	1	0.0035	-5.6490	-0.0199	0.1124
<i>Cyanopica cyanus</i>	14	0.0493	-3.0099	-0.1484	0.4466
<i>Urocissa erythroryncha</i>	2	0.0070	-4.9558	-0.0349	0.1730
<i>Parus minor</i>	3	0.0106	-4.5504	-0.0481	0.2187
<i>Pycnonotus jocosus</i>	10	0.0352	-3.3464	-0.1178	0.3943
<i>Pycnonotus sinensis</i>	33	0.1162	-2.1525	-0.2501	0.5384
<i>Hirundo rustica</i>	8	0.0282	-3.5695	-0.1006	0.3589
<i>Prinia flaviventris</i>	1	0.0035	-5.6490	-0.0199	0.1124
<i>Prinia inornata</i>	11	0.0387	-3.2511	-0.1259	0.4094
<i>Orthotomus sutorius</i>	1	0.0035	-5.6490	-0.0199	0.1124
<i>Zosterops simplex</i>	5	0.0176	-4.0395	-0.0711	0.2873
<i>Acridotheres cristatellus</i>	32	0.1127	-2.1832	-0.2460	0.5371
<i>Acridotheres tristis</i>	6	0.0211	-3.8572	-0.0815	0.3143
<i>Spodiopsar sericeus</i>	13	0.0458	-3.0840	-0.1412	0.4354
<i>Gracupica nigricollis</i>	21	0.0739	-2.6045	-0.1926	0.5016
<i>Sturnia sinensis</i>	3	0.0106	-4.5504	-0.0481	0.2187
<i>Copsychus saularis</i>	4	0.0141	-4.2627	-0.0600	0.2559
<i>Passer montanus</i>	4	0.0141	-4.2627	-0.0600	0.2559
<i>Motacilla alba</i>	3	0.0106	-4.5504	-0.0481	0.2187
Total	284	1	-130.4806	-2.8968	9.3718
Richness	32				
SS	9.3718				
SQ	8.3912				
H	2.8968				
S <sup>2</sup> H	0.0036				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (13 and 19 June 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Nycticorax nycticorax</i>	3	0.0323	-3.4340	-0.1108	0.3804
<i>Ardeola bacchus</i>	53	0.5699	-0.5623	-0.3205	0.1802
<i>Ardea alba</i>	9	0.0968	-2.3354	-0.2260	0.5278
<i>Egretta garzetta</i>	7	0.0753	-2.5867	-0.1947	0.5036
<i>Milvus migrans</i>	1	0.0108	-4.5326	-0.0487	0.2209
<i>Centropus sinensis</i>	3	0.0323	-3.4340	-0.1108	0.3804
<i>Halcyon smyrnensis</i>	1	0.0108	-4.5326	-0.0487	0.2209
<i>Spodiopsar sericeus</i>	13	0.1398	-1.9677	-0.2750	0.5412
<i>Sturnia sinensis</i>	3	0.0323	-3.4340	-0.1108	0.3804
Total	93	1	-26.8192	-1.4460	3.3358
Richness	9				
SS	3.3358				
SQ	2.0909				
H	1.4460				
S <sup>2</sup> H	0.0138				

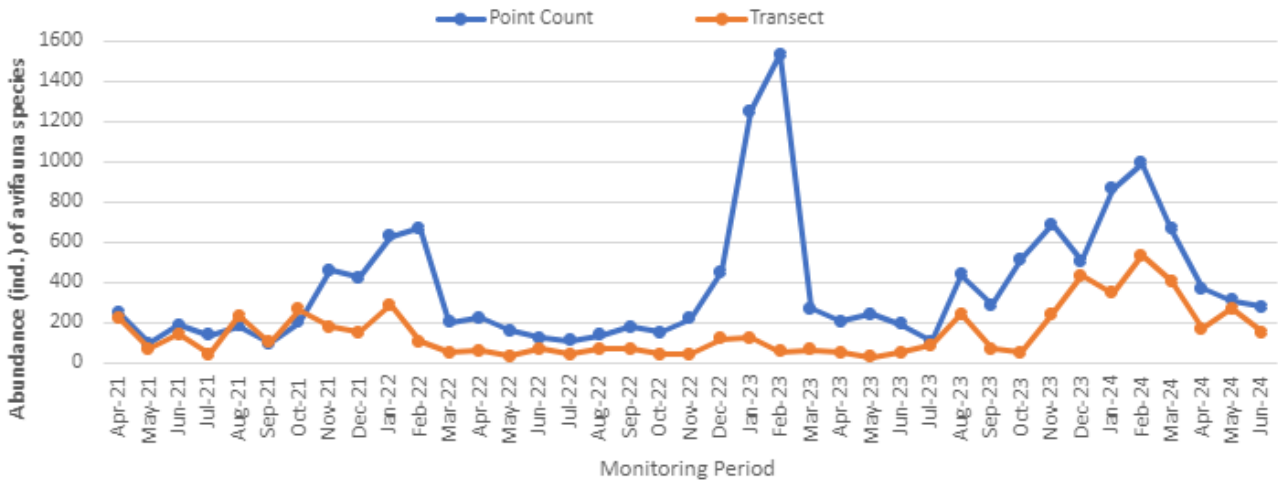
Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method) in All Habitats (13 and 19 June 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Nycticorax nycticorax</i>	3	0.0196	-3.9318	-0.0771	0.3031
<i>Ardeola bacchus</i>	13	0.0850	-2.4655	-0.2095	0.5165
<i>Ardea alba</i>	15	0.0980	-2.3224	-0.2277	0.5288
<i>Egretta garzetta</i>	8	0.0523	-2.9510	-0.1543	0.4553
<i>Milvus migrans</i>	2	0.0131	-4.3373	-0.0567	0.2459
<i>Amaurornis phoenicurus</i>	8	0.0523	-2.9510	-0.1543	0.4553
<i>Gallinula chloropus</i>	2	0.0131	-4.3373	-0.0567	0.2459
<i>Streptopelia decaocto</i>	2	0.0131	-4.3373	-0.0567	0.2459
<i>Spilopelia chinensis</i>	10	0.0654	-2.7279	-0.1783	0.4864
<i>Centropus sinensis</i>	2	0.0131	-4.3373	-0.0567	0.2459
<i>Eudynamis scolopaceus</i>	2	0.0131	-4.3373	-0.0567	0.2459
<i>Hierococcyx sparverioides</i>	1	0.0065	-5.0304	-0.0329	0.1654
<i>Caprimulgus affinis</i>	3	0.0196	-3.9318	-0.0771	0.3031
<i>Halcyon smymensis</i>	2	0.0131	-4.3373	-0.0567	0.2459
<i>Cyanopica cyanus</i>	8	0.0523	-2.9510	-0.1543	0.4553
<i>Urocissa erythroryncha</i>	2	0.0131	-4.3373	-0.0567	0.2459
<i>Parus minor</i>	3	0.0196	-3.9318	-0.0771	0.3031
<i>Pycnonotus jocosus</i>	4	0.0261	-3.6441	-0.0953	0.3472
<i>Pycnonotus sinensis</i>	8	0.0523	-2.9510	-0.1543	0.4553
<i>Hirundo rustica</i>	16	0.1046	-2.2578	-0.2361	0.5331
<i>Prinia flaviventris</i>	1	0.0065	-5.0304	-0.0329	0.1654
<i>Prinia inornata</i>	3	0.0196	-3.9318	-0.0771	0.3031
<i>Orthotomus sutorius</i>	2	0.0131	-4.3373	-0.0567	0.2459
<i>Pterorhinus perspicillatus</i>	2	0.0131	-4.3373	-0.0567	0.2459
<i>Zosterops simplex</i>	2	0.0131	-4.3373	-0.0567	0.2459
<i>Acridotheres cristatellus</i>	11	0.0719	-2.6325	-0.1893	0.4983
<i>Acridotheres tristis</i>	2	0.0131	-4.3373	-0.0567	0.2459
<i>Gracupica nigricollis</i>	11	0.0719	-2.6325	-0.1893	0.4983
<i>Copsychus saularis</i>	2	0.0131	-4.3373	-0.0567	0.2459
<i>Motacilla alba</i>	3	0.0196	-108.3225	-2.9971	9.7240
Total	153	1	-108.3225	-2.9404	9.4781
Richness	30				
SS	9.4781				
SQ	8.6459				
H	2.9404				
S <sup>2</sup> H	0.006059				

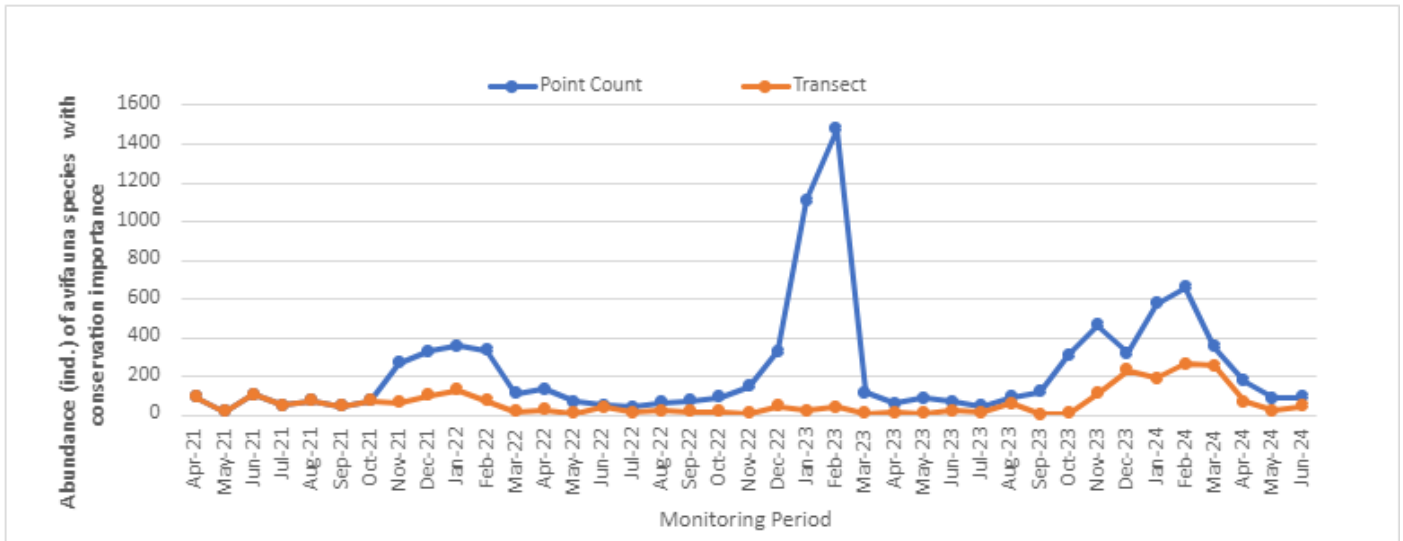
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (13 and 19 June 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Nycticorax nycticorax</i>	3	0.0667	-2.7081	-0.1805	0.4889
<i>Ardeola bacchus</i>	13	0.2889	-1.2417	-0.3587	0.4454
<i>Ardea alba</i>	15	0.3333	-1.0986	-0.3662	0.4023
<i>Egretta garzetta</i>	8	0.1778	-1.7272	-0.3071	0.5304
<i>Milvus migrans</i>	2	0.0444	-3.1135	-0.1384	0.4308
<i>Centropus sinensis</i>	2	0.0444	-3.1135	-0.1384	0.4308
<i>Halcyon smyrnensis</i>	2	0.0444	-13.0026	-1.4893	2.7287
Total	45	1	-13.0026	-1.4893	2.7287
Richness	7				
SS	2.7287				
SQ	2.2179				
H	1.4893				
S <sup>2</sup> H	0.01283				

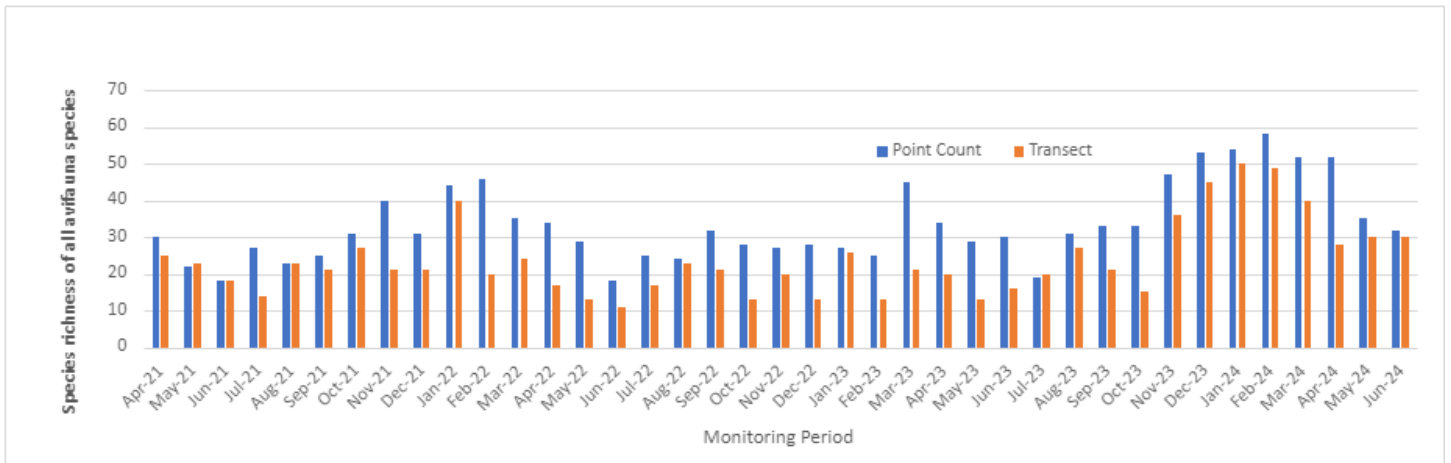
### Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



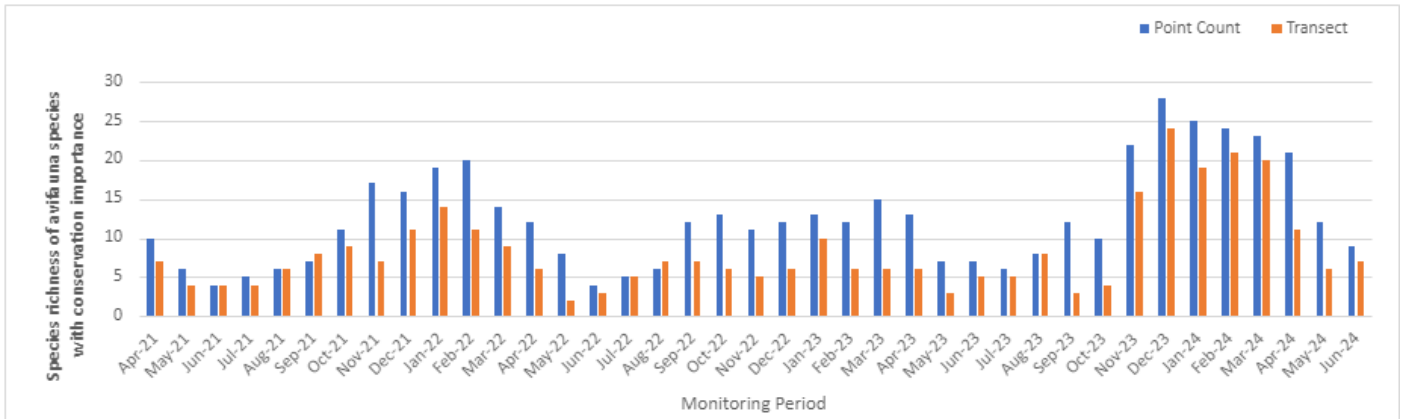
### Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



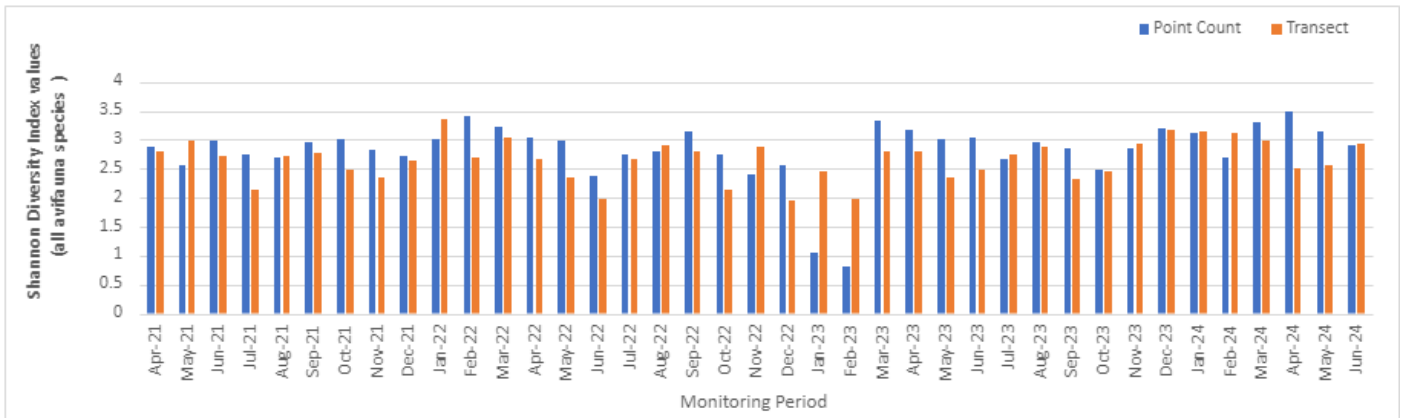
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



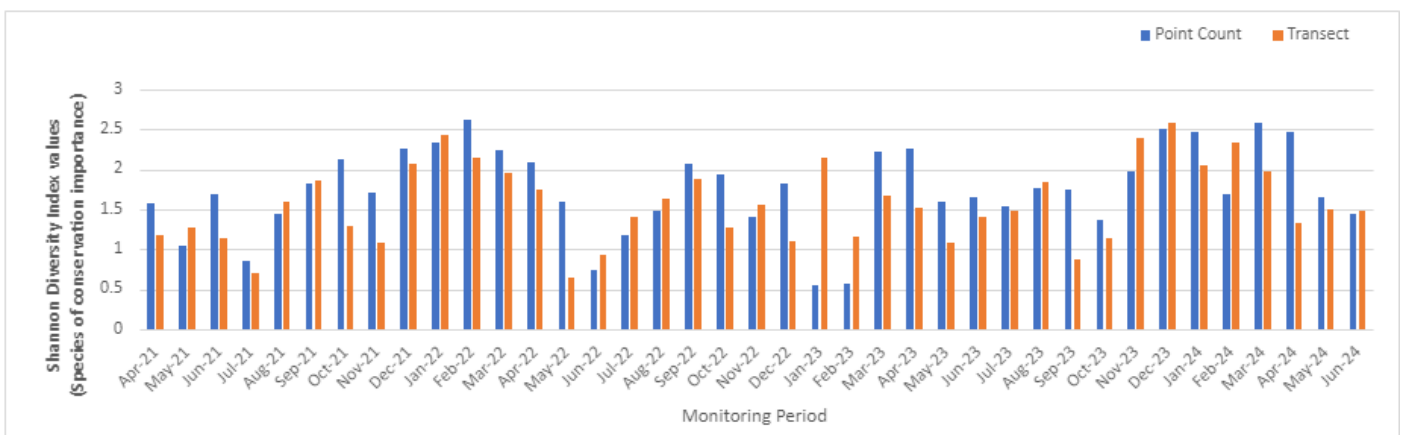
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



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	June 2017	June 2024
Total	121	284
Richness	25	32
H	2.8670	2.8968
S <sup>2</sup> H	0.006152	0.003645
t	0.3010	
df	266.9337	
Crit	1.9689	
p	0.7636	
CI	0.1569	0.1207

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

Months	June 2017	June 2024
Total	69	153
Richness	13	30
H	2	2.9404
S <sup>2</sup> H	0	0.006059
t	6.3939	
df	141.8089	
Crit	1.9769	
p	2.22E-09	
CI	0.2163	0.1557

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

Months	June 2017	June 2024
Total	45	93
Richness	5	9
H	1.4282	1.4460
S <sup>2</sup> H	0.007418	0.013849
t	0.1223	
df	137.6767	
Crit	1.9774	
p	0.9028	
CI	0.1723	0.2354

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

Months	June 2017	June 2024
Total	40	45
Richness	3	7
H	1.03972	1.4893
S <sup>2</sup> H	0.003628	0.01283
t	3.5041	
df	67.9337	
Crit	1.9960	
p	8.22E-04	
CI	0.1205	0.2266