

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 (ug/m^3)	Limit Level (ug/m^3)
			1st Measurement	2nd Measurement	3rd Measurement		
3/8/2024	sunny	8:31	44	45	41	291	500
9/8/2024	sunny	8:10	43	47	44		
15/8/2024	sunny	8:00	50	51	53		
21/8/2024	sunny	8:12	43	45	46		
27/8/2024	sunny	8:09	46	48	48		
		Min	41				
		Max	53				
		Average	46				

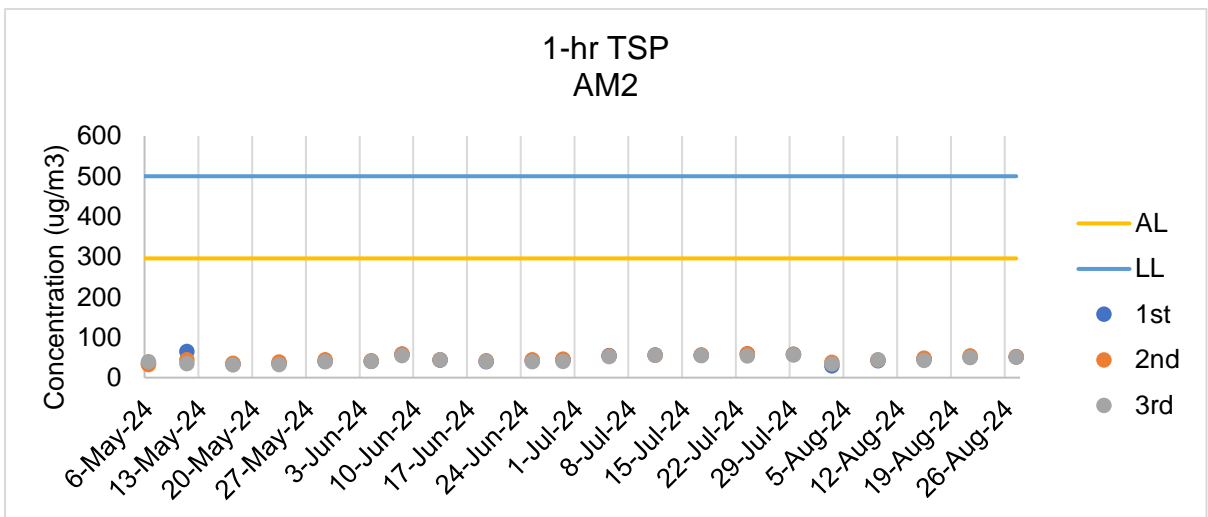
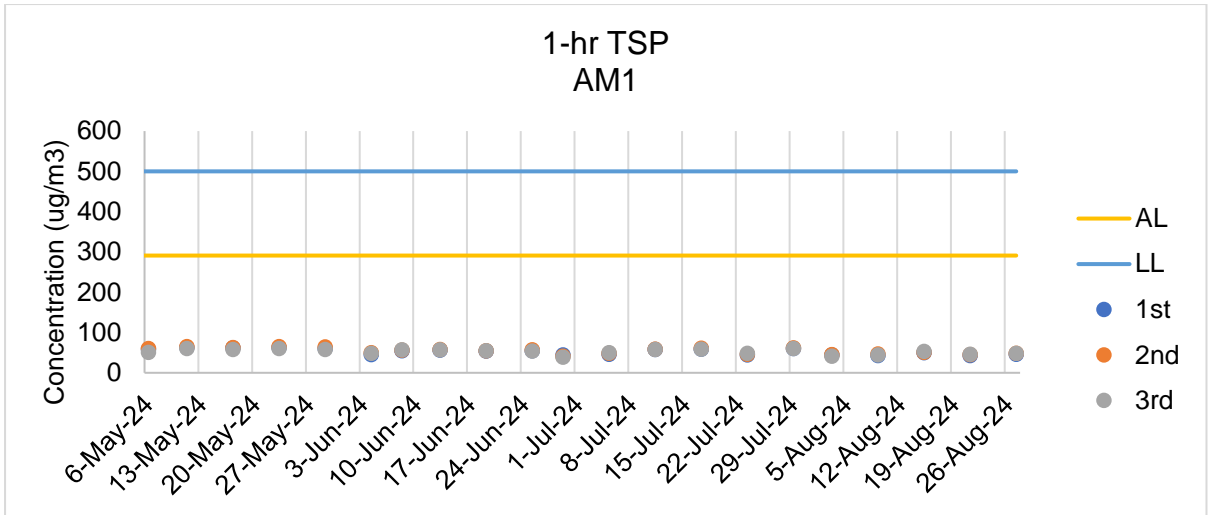
AM2 - Squatter house at the west of Yuen Long STW

Date	Weather Condition	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Action Level (ug/m^3)	Limit Level (ug/m^3)
			1st Measurement	2nd Measurement	3rd Measurement		
3/8/2024	sunny	14:00	30	38	34	296	500
9/8/2024	sunny	13:21	42	44	45		
15/8/2024	sunny	13:10	46	49	43		
21/8/2024	sunny	13:00	51	54	50		
27/8/2024	sunny	14:00	52	53	51		
		Min	30				
		Max	54				
		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 _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
3/8/2024	9:11	60.1	61.4	59.1	0.7	sunny	75
9/8/2024	8:50	61.1	62.3	59.1	0.8	sunny	75
15/8/2024	8:44	59.3	61.6	58.1	0.6	sunny	75
21/8/2024	8:55	59.9	61.4	58.3	1.5	sunny	75
27/8/2024	8:52	59.8	61.6	58.0	1.2	sunny	75
	Max	61.1					
	Min	59.3					

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)
3/8/2024	14:00	57.3	59.5	56.3	0.6	sunny	75
9/8/2024	13:21	56.4	58.7	55.4	1.1	sunny	75
15/8/2024	13:10	58.0	59.5	57.0	0.5	sunny	75
21/8/2024	13:00	57.7	59.4	56.2	0.6	sunny	75
27/8/2024	14:00	58.4	60.4	56.6	1.5	sunny	75
	Max	58.4					
	Min	56.4					

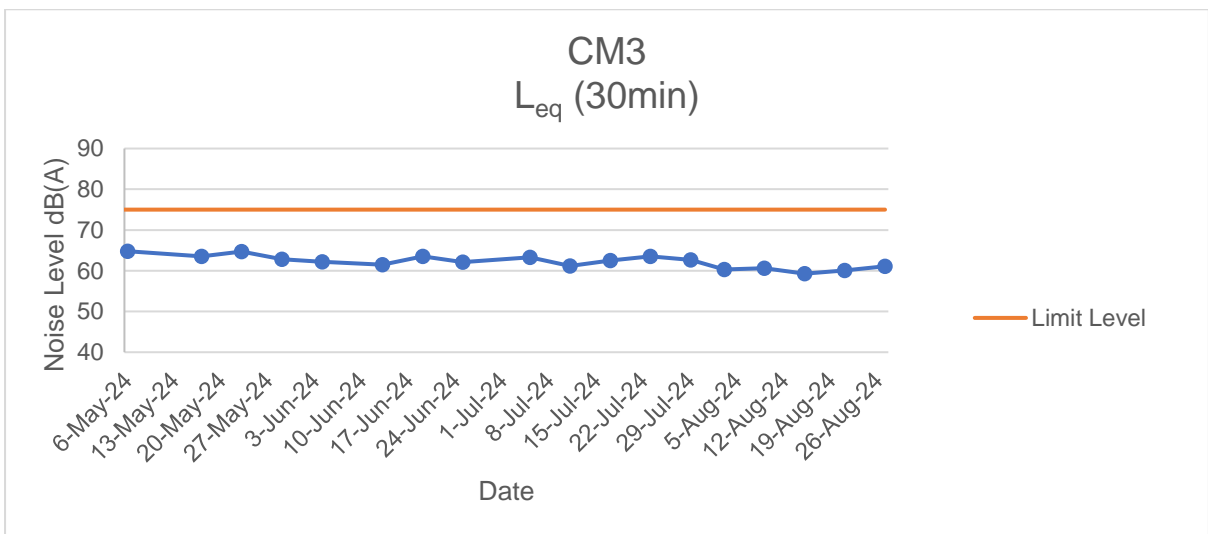
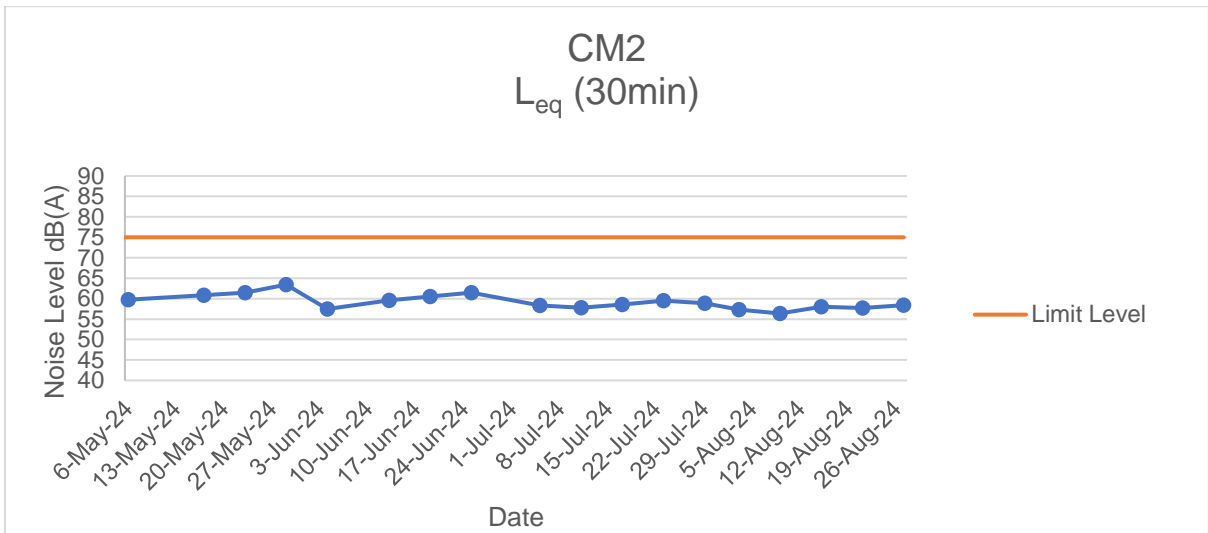
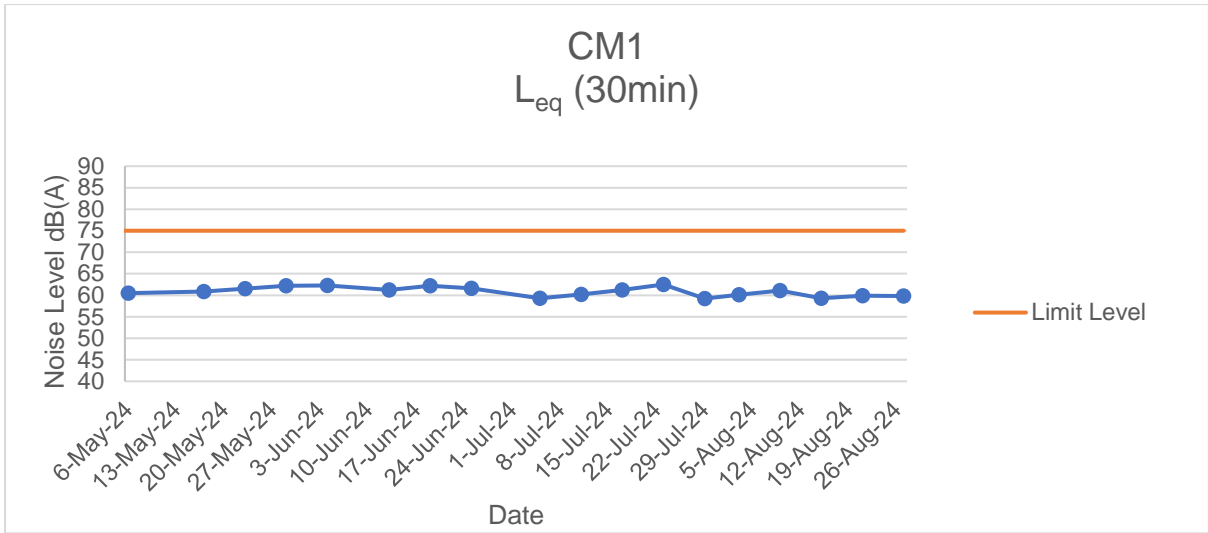
CM3 - Squatter house to the east of YLSTW

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)
3/8/2024	10:25	60.3	62.4	59.4	0.8	sunny	75
9/8/2024	10:07	60.6	62.6	58.4	1.7	sunny	75
15/8/2024	9:59	59.3	61.5	57.2	0.7	sunny	75
21/8/2024	10:10	60.1	62.2	57.6	1.3	sunny	75
27/8/2024	10:08	61.1	63.1	58.6	0.5	sunny	75
	Max	61.1					
	Min	59.3					

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	2/08/2024	Mid-Flood	Cloudy	Low	11:46	2.6	M	1.30	1	0.092	180.484	7.18	7.19	3.48	3.49	28.9	28.95	33.4	32.75	2.51	2.46	20.43	20.535	26	27
M1	2/08/2024	Mid-Flood	Cloudy	Low	11:47	2.6	M	1.30	2			7.2		3.5		29		36.7		2.41		20.64		27	
M2	2/08/2024	Mid-Flood	Cloudy	Low	12:11	2.2	M	1.10	1	0.084	178.49	7.18	7.19	3.33	3.30	28.9	28.90	36.7	36.50	2.76	2.75	20.89	20.975	26	28
M2	2/08/2024	Mid-Flood	Cloudy	Low	12:11	2.2	M	1.10	2			7.2		3.26		28.9		36.3		2.73		21.06		29	
M3	2/08/2024	Mid-Flood	Cloudy	Low	12:34	2	M	1.00	1	0.094	174.539	7.2	7.21	3.68	3.66	28.9	28.90	50.5	51.10	3.8	3.85	36.89	36.76	20	22
M3	2/08/2024	Mid-Flood	Cloudy	Low	12:34	2	M	1.00	2			7.22		3.63		28.9		51.7		3.89		36.63		23	
M1	2/08/2024	Mid-Ebb	Cloudy	Low	17:25	2.4	M	1.20	1	0.062	338.159	7.2	7.21	3.29	3.33	28.9	28.90	36.8	36.90	2.77	2.78	20.51	20.405	24	24
M1	2/08/2024	Mid-Ebb	Cloudy	Low	17:25	2.4	M	1.20	2			7.21		3.37		28.9		37.0		2.78		20.3		24	
M2	2/08/2024	Mid-Ebb	Cloudy	Low	17:07	2.1	M	1.05	1	0.067	305.755	7.16	7.16	3.45	3.44	28.9	28.90	35.6	35.90	2.68	2.70	20.14	20.24	28	28
M2	2/08/2024	Mid-Ebb	Cloudy	Low	17:07	2.1	M	1.05	2			7.15		3.42		28.9		36.2		2.72		20.34		27	
M3	2/08/2024	Mid-Ebb	Cloudy	Low	17:48	1.9	M	0.95	1	0.059	332.049	7.19	7.19	3.74	3.78	28.9	28.95	48.5	47.65	3.65	3.59	36.65	36.585	29	29
M3	2/08/2024	Mid-Ebb	Cloudy	Low	17:48	1.9	M	0.95	2			7.19		3.81		29.0		46.8		3.52		36.52		28	

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	5/08/2024	Mid-Flood	Cloudy	Low	14:08	2.5	M	1.25	1	0.078	174.427	7.24	7.25	3.41	3.40	28.1	28.15	36.3	36.95	2.73	2.78	21.50	21.325	32	29
M1	5/08/2024	Mid-Flood	Cloudy	Low	14:08	2.5	M	1.25	2			7.26		3.39		28.2		37.6		2.83		21.15		26	
M2	5/08/2024	Mid-Flood	Cloudy	Low	14:38	2.1	M	1.05	1	0.083	190.397	7.21	7.22	3.43	3.45	28.1	28.15	35.6	35.40	2.68	2.67	22.48	22.445	27	28
M2	5/08/2024	Mid-Flood	Cloudy	Low	14:38	2.1	M	1.05	2			7.22		3.46		28.2		35.2		2.65		22.41		29	
M3	5/08/2024	Mid-Flood	Cloudy	Low	14:55	2	M	1.00	1	0.08	167.071	7.2	7.21	4.28	4.31	28.1	28.10	49.7	49.05	3.74	3.69	30.78	30.66	24	29
M3	5/08/2024	Mid-Flood	Cloudy	Low	14:55	2	M	1.00	2			7.21		4.33		28.1		48.4		3.64		30.54		33	
M1	5/08/2024	Mid-Ebb	Cloudy	Low	9:16	2.5	M	1.25	1	0.066	325.804	7.23	7.23	3.44	3.46	28.3	28.35	39.8	39.40	2.99	2.96	20.61	20.51	32	32
M1	5/08/2024	Mid-Ebb	Cloudy	Low	9:17	2.5	M	1.25	2			7.22		3.48		28.4		39.0		2.93		20.41		32	
M2	5/08/2024	Mid-Ebb	Cloudy	Low	8:51	2.1	M	1.05	1	0.074	318.514	7.18	7.19	3.33	3.31	28.3	28.30	37.9	37.30	2.85	2.81	21.24	21.135	31	31
M2	5/08/2024	Mid-Ebb	Cloudy	Low	8:51	2.1	M	1.05	2			7.19		3.29		28.3		36.7		2.76		21.03		30	
M3	5/08/2024	Mid-Ebb	Cloudy	Low	9:36	1.9	M	0.95	1	0.076	322.481	7.24	7.24	4.11	4.13	28.3	28.30	48.1	48.50	3.62	3.65	29.11	29.255	36	38
M3	5/08/2024	Mid-Ebb	Cloudy	Low	9:36	1.9	M	0.95	2			7.24		4.14		28.3		48.9		3.68		29.4		39	

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	7/08/2024	Mid-Flood	Cloudy	Low	15:04	2.6	M	1.30	1	0.074	170.353	7.16	7.17	3.11	3.16	29.4	29.40	36.2	35.70	2.72	2.69	20.58	20.54	20	24
M1	7/08/2024	Mid-Flood	Cloudy	Low	15:04	2.6	M	1.30	2			7.18		3.2		29.4		35.2		2.65		20.5		27	
M2	7/08/2024	Mid-Flood	Cloudy	Low	15:28	2.2	M	1.10	1	0.079	167.712	7.11	7.12	3.21	3.17	29.4	29.40	33.5	33.65	2.52	2.53	21.67	21.575	26	29
M2	7/08/2024	Mid-Flood	Cloudy	Low	15:28	2.2	M	1.10	2			7.13		3.13		29.4		33.8		2.54		21.48		31	
M3	7/08/2024	Mid-Flood	Cloudy	Low	15:49	2	M	1.00	1	0.084	175.375	7.12	7.11	3.91	3.94	29.4	29.45	50.3	50.20	3.78	3.78	36.73	36.59	24	26
M3	7/08/2024	Mid-Flood	Cloudy	Low	15:49	2	M	1.00	2			7.1		3.96		29.5		50.1		3.77		36.45		28	
M1	7/08/2024	Mid-Ebb	Cloudy	Low	8:27	2.4	M	1.20	1	0.068	324.829	7.2	7.20	3.07	3.06	29.1	29.10	34.8	34.55	2.62	2.60	20.57	20.55	24	25
M1	7/08/2024	Mid-Ebb	Cloudy	Low	8:27	2.4	M	1.20	2			7.19		3.04		29.1		34.3		2.58		20.53		26	
M2	7/08/2024	Mid-Ebb	Cloudy	Low	8:09	2	M	1.00	1	0.058	319.022	7.12	7.12	2.98	2.99	29.1	29.10	33.4	32.40	2.51	2.44	20.19	19.98	26	30
M2	7/08/2024	Mid-Ebb	Cloudy	Low	8:09	2	M	1.00	2			7.11		3		29.1		31.4		2.36		19.77		33	
M3	7/08/2024	Mid-Ebb	Cloudy	Low	8:49	1.9	M	0.95	1	0.08	310.299	7.14	7.15	3.70	3.68	29.1	29.10	53.1	52.55	3.99	3.95	36.86	37.04	27	27
M3	7/08/2024	Mid-Ebb	Cloudy	Low	8:49	1.9	M	0.95	2			7.15		3.66		29.1		52.0		3.91		37.22		26	

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.
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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.
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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	9/08/2024	Mid-Flood	Cloudy	Low	15:56	2.6	M	1.30	1	0.076	176.059	7.15	7.15	4.21	4.19	28.1	28.15	42.7	41.95	3.21	3.16	18.41	18.585	28	29
M1	9/08/2024	Mid-Flood	Cloudy	Low	15:57	2.6	M	1.30	2			7.15		4.16		28.2		41.2		3.1		18.76		30	
M2	9/08/2024	Mid-Flood	Cloudy	Low	16:21	2.3	M	1.15	1	0.075	165.577	7.19	7.20	4.35	4.36	28.1	28.15	45.0	45.25	3.38	3.40	17.55	17.375	24	30
M2	9/08/2024	Mid-Flood	Cloudy	Low	16:21	2.3	M	1.15	2			7.2		4.37		28.2		45.5		3.42		17.2		36	
M3	9/08/2024	Mid-Flood	Cloudy	Low	16:48	1.9	M	0.95	1	0.084	186.523	7.14	7.15	4.48	4.45	28.1	28.15	53.9	54.10	4.05	4.07	30.21	30.15	44	38
M3	9/08/2024	Mid-Flood	Cloudy	Low	16:48	1.9	M	0.95	2			7.16		4.41		28.2		54.3		4.08		30.09		31	
M1	9/08/2024	Mid-Ebb	Cloudy	Low	10:03	2.4	M	1.20	1	0.072	302.494	7.13	7.13	4.05	4.02	28.6	28.60	44.0	44.10	3.31	3.32	17.66	17.595	31	34
M1	9/08/2024	Mid-Ebb	Cloudy	Low	10:03	2.4	M	1.20	2			7.13		3.99		28.6		44.2		3.32		17.53		37	
M2	9/08/2024	Mid-Ebb	Cloudy	Low	9:41	2.1	M	1.05	1	0.072	312.179	7.18	7.19	3.97	3.99	28.6	28.65	45.8	46.20	3.44	3.47	18.21	18.025	25	30
M2	9/08/2024	Mid-Ebb	Cloudy	Low	9:41	2.1	M	1.05	2			7.2		4		28.7		46.6		3.5		17.84		34	
M3	9/08/2024	Mid-Ebb	Cloudy	Low	10:32	2	M	1.00	1	0.064	315.613	7.14	7.14	4.68	4.71	28.6	28.65	56.5	56.65	4.25	4.26	28.47	28.576	35	38
M3	9/08/2024	Mid-Ebb	Cloudy	Low	10:32	2	M	1.00	2			7.14		4.74		28.7		56.8		4.27		28.686		41	

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	12/08/2024	Mid-Flood	Cloudy	Low	17:26	2.6	M	1.30	1	0.075	164.708	7.25	7.25	3.15	3.19	29.4	29.45	37.4	36.70	2.81	2.76	16.45	16.56	44	44
M1	12/08/2024	Mid-Flood	Cloudy	Low	17:26	2.6	M	1.30	2			7.25		3.23		29.5		36.0		2.71		16.67		44	
M2	12/08/2024	Mid-Flood	Cloudy	Low	17:49	2.3	M	1.15	1	0.074	186.284	7.24	7.25	3.04	3.03	29.4	29.45	33.6	32.75	2.53	2.47	17.44	17.53	45	45
M2	12/08/2024	Mid-Flood	Cloudy	Low	17:49	2.3	M	1.15	2			7.25		3.01		29.5		31.9		2.4		17.62		45	
M3	12/08/2024	Mid-Flood	Cloudy	Low	18:04	1.9	M	0.95	1	0.094	171.028	7.21	7.22	3.78	3.77	29.4	29.40	48.9	48.20	3.68	3.63	25.55	25.505	42	47
M3	12/08/2024	Mid-Flood	Cloudy	Low	18:04	1.9	M	0.95	2			7.23		3.75		29.4		47.5		3.57		25.46		51	
M1	12/08/2024	Mid-Ebb	Cloudy	Low	12:05	2.4	M	1.20	1	0.067	336.205	7.19	7.20	3.22	3.23	29.6	29.65	35.4	36.10	2.66	2.72	20.08	20.23	47	46
M1	12/08/2024	Mid-Ebb	Cloudy	Low	12:05	2.4	M	1.20	2			7.2		3.23		29.7		36.8		2.77		20.38		45	
M2	12/08/2024	Mid-Ebb	Cloudy	Low	11:40	2.1	M	1.05	1	0.07	301.589	7.22	7.22	3.11	3.11	29.6	29.60	34.0	33.55	2.56	2.53	21.04	20.87	56	52
M2	12/08/2024	Mid-Ebb	Cloudy	Low	11:40	2.1	M	1.05	2			7.22		3.11		29.6		33.1		2.49		20.7		48	
M3	12/08/2024	Mid-Ebb	Cloudy	Low	12:33	2	M	1.00	1	0.078	323.806	7.24	7.24	3.94	3.98	29.6	29.65	49.6	50.35	3.73	3.79	26.91	26.99	44	45
M3	12/08/2024	Mid-Ebb	Cloudy	Low	12:33	2	M	1.00	2			7.24		4.01		29.7		51.1		3.84		27.07		46	

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	14/08/2024	Mid-Flood	Sunny	Low	10:55	2.4	M	1.20	1	0.081	166.796	7.11	7.11	3.26	3.27	29.3	29.35	37.2	36.55	2.8	2.75	22.45	22.34	20	20
M1	14/08/2024	Mid-Flood	Sunny	Low	10:55	2.4	M	1.20	2			7.1		3.27		29.4		35.9		2.7		22.23		19	
M2	14/08/2024	Mid-Flood	Sunny	Low	11:22	2.1	M	1.05	1	0.078	173.256	7.13	7.14	3.20	3.22	29.3	29.35	36.0	35.55	2.71	2.68	23.48	23.54	17	20
M2	14/08/2024	Mid-Flood	Sunny	Low	11:22	2.1	M	1.05	2			7.15		3.24		29.4		35.1		2.64		23.6		22	
M3	14/08/2024	Mid-Flood	Sunny	Low	11:49	1.9	M	0.95	1	0.073	185.592	7.11	7.10	3.77	3.82	29.3	29.30	50.3	49.95	3.78	3.76	32.48	32.39	17	16
M3	14/08/2024	Mid-Flood	Sunny	Low	11:49	1.9	M	0.95	2			7.09		3.86		29.3		49.6		3.73		32.3		15	
M1	14/08/2024	Mid-Ebb	Sunny	Low	15:38	2.3	M	1.15	1	0.081	315.899	7.19	7.18	3.12	3.16	29.0	29.05	36.3	35.55	2.73	2.68	20.33	20.425	19	19
M1	14/08/2024	Mid-Ebb	Sunny	Low	15:38	2.3	M	1.15	2			7.17		3.2		29.1		34.8		2.62		20.52		18	
M2	14/08/2024	Mid-Ebb	Sunny	Low	15:13	1.9	M	0.95	1	0.061	326.971	7.12	7.13	3.18	3.17	29.0	29.05	34.4	34.55	2.59	2.60	21.51	21.485	15	18
M2	14/08/2024	Mid-Ebb	Sunny	Low	15:13	1.9	M	0.95	2			7.13		3.16		29.1		34.7		2.61		21.46		20	
M3	14/08/2024	Mid-Ebb	Sunny	Low	15:58	1.8	M	0.90	1	0.073	300.605	7.13	7.13	3.97	3.94	29.0	29.05	50.8	50.05	3.82	3.77	33.59	33.445	21	20
M3	14/08/2024	Mid-Ebb	Sunny	Low	15:58	1.8	M	0.90	2			7.13		3.9		29.1		49.3		3.71		33.3		19	

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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	16/08/2024	Mid-Flood	Sunny	Low	10:32	2.6	M	1.30	1	0.086	179.729	7.11	7.11	4.11	4.12	27.6	27.65	39.8	39.20	2.99	2.95	18.11	17.935	31	39
M1	16/08/2024	Mid-Flood	Sunny	Low	10:32	2.6	M	1.30	2			7.1		4.13		27.7		38.6		2.9		17.76		46	
M2	16/08/2024	Mid-Flood	Sunny	Low	10:58	2.3	M	1.15	1	0.082	178.748	7.11	7.11	4.38	4.35	27.6	27.65	41.6	41.60	3.13	3.13	18.49	18.605	33	37
M2	16/08/2024	Mid-Flood	Sunny	Low	10:58	2.3	M	1.15	2			7.1		4.31		27.7		41.6		3.13		18.72		40	
M3	16/08/2024	Mid-Flood	Sunny	Low	11:22	2.1	M	1.05	1	0.094	175.176	7.18	7.19	5.05	5.04	27.6	27.60	49.1	48.90	3.69	3.68	30.21	30.285	37	37
M3	16/08/2024	Mid-Flood	Sunny	Low	11:22	2.1	M	1.05	2			7.2		5.02		27.6		48.7		3.66		30.36		36	
M1	16/08/2024	Mid-Ebb	Sunny	Low	16:23	2.4	M	1.20	1	0.058	303.167	7.2	7.20	3.88	3.92	27.8	27.85	34.2	34.40	2.57	2.59	18.59	18.615	39	40
M1	16/08/2024	Mid-Ebb	Sunny	Low	16:23	2.4	M	1.20	2			7.2		3.96		27.9		34.6		2.6		18.64		40	
M2	16/08/2024	Mid-Ebb	Sunny	Low	15:58	2	M	1.00	1	0.074	338.496	7.2	7.20	4.21	4.23	27.8	27.85	36.0	35.70	2.71	2.69	19.11	19.165	44	43
M2	16/08/2024	Mid-Ebb	Sunny	Low	15:58	2	M	1.00	2			7.19		4.25		27.9		35.4		2.66		19.22		41	
M3	16/08/2024	Mid-Ebb	Sunny	Low	16:47	1.8	M	0.90	1	0.069	336.724	7.13	7.12	4.83	4.81	27.8	27.85	50.9	50.10	3.83	3.77	31.25	31.185	36	38
M3	16/08/2024	Mid-Ebb	Sunny	Low	16:47	1.8	M	0.90	2			7.11		4.79		27.9		49.3		3.71		31.12		40	

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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	19/08/2024	Mid-Flood	Cloudy	Low	13:06	2.6	M	1.30	1	0.073	171.103	7.11	7.12	3.11	3.15	28.4	28.40	41.5	41.05	3.12	3.09	24.55	24.51	177	125
M1	19/08/2024	Mid-Flood	Cloudy	Low	13:06	2.6	M	1.30	2			7.12		3.19		28.4		40.6		3.05		24.47		72	
M2	19/08/2024	Mid-Flood	Cloudy	Low	13:39	2.3	M	1.15	1	0.083	176.651	7.09	7.09	3.08	3.06	28.4	28.40	41.4	41.45	3.11	3.12	23.11	22.925	72	72
M2	19/08/2024	Mid-Flood	Cloudy	Low	13:39	2.3	M	1.15	2			7.08		3.03		28.4		41.5		3.12		22.74		71	
M3	19/08/2024	Mid-Flood	Cloudy	Low	13:58	1.9	M	0.95	1	0.092	189.339	7.12	7.12	3.80	3.78	28.4	28.45	53.1	52.90	3.99	3.98	36.66	36.715	70	73
M3	19/08/2024	Mid-Flood	Cloudy	Low	13:58	1.9	M	0.95	2			7.11		3.75		28.5		52.7		3.96		36.77		76	
M1	19/08/2024	Mid-Ebb	Cloudy	Low	8:25	2.4	M	1.20	1	0.059	327.519	7.08	7.08	2.88	2.87	28.6	28.65	38.3	38.65	2.88	2.91	23.18	23.25	104	100
M1	19/08/2024	Mid-Ebb	Cloudy	Low	8:25	2.4	M	1.20	2			7.07		2.86		28.7		39.0		2.93		23.32		96	
M2	19/08/2024	Mid-Ebb	Cloudy	Low	8:00	2.1	M	1.05	1	0.077	329.942	7.07	7.08	2.93	2.94	28.6	28.60	39.6	38.80	2.98	2.92	23.55	23.56	76	81
M2	19/08/2024	Mid-Ebb	Cloudy	Low	8:00	2.1	M	1.05	2			7.09		2.94		28.6		38.0		2.86		23.57		86	
M3	19/08/2024	Mid-Ebb	Cloudy	Low	8:49	2	M	1.00	1	0.065	334.338	7.13	7.12	3.65	3.61	28.6	28.60	49.9	50.15	3.75	3.77	32.63	32.595	102	108
M3	19/08/2024	Mid-Ebb	Cloudy	Low	8:49	2	M	1.00	2			7.11		3.56		28.6		50.4		3.79		32.56		113	

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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	149	162
M3(Impact Station)	3.28	3.14	74	78	149	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	113.1	122.525

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	21/08/2024	Mid-Flood	Cloudy	Low	14:36	2.6	M	1.30	1	0.073	182.932	7.15	7.16	3.32	3.32	29.8	29.85	39.4	38.80	2.96	2.92	18.11	18.13	34	35
M1	21/08/2024	Mid-Flood	Cloudy	Low	14:36	2.6	M	1.30	2			7.17		3.31		29.9		38.2		2.87		18.15		35	
M2	21/08/2024	Mid-Flood	Cloudy	Low	14:57	2.3	M	1.15	1	0.08	172.857	7.16	7.17	3.38	3.34	29.8	29.85	37.5	37.10	2.82	2.79	18.99	18.975	17	17
M2	21/08/2024	Mid-Flood	Cloudy	Low	14:57	2.3	M	1.15	2			7.18		3.29		29.9		36.7		2.76		18.96		17	
M3	21/08/2024	Mid-Flood	Cloudy	Low	15:12	2	M	1.00	1	0.076	163.246	7.2	7.20	3.79	3.77	29.8	29.80	49.5	48.70	3.72	3.66	30.15	29.95	9	9
M3	21/08/2024	Mid-Flood	Cloudy	Low	15:12	2	M	1.00	2			7.19		3.74		29.8		47.9		3.6		29.75		9	
M1	21/08/2024	Mid-Ebb	Cloudy	Low	10:01	2.5	M	1.25	1	0.081	341.547	7.17	7.17	3.38	3.36	30.0	30.00	37.4	37.45	2.81	2.82	19.65	19.43	12	12
M1	21/08/2024	Mid-Ebb	Cloudy	Low	10:01	2.5	M	1.25	2			7.16		3.33		30.0		37.5		2.82		19.21		12	
M2	21/08/2024	Mid-Ebb	Cloudy	Low	9:40	2.1	M	1.05	1	0.079	308.337	7.15	7.16	3.43	3.46	30.0	30.00	37.9	38.10	2.85	2.87	20.45	20.515	16	15
M2	21/08/2024	Mid-Ebb	Cloudy	Low	9:41	2.1	M	1.05	2			7.17		3.48		30.0		38.3		2.88		20.58		14	
M3	21/08/2024	Mid-Ebb	Cloudy	Low	10:28	2	M	1.00	1	0.074	326.989	7.2	7.20	3.83	3.83	30.0	30.00	49.7	49.30	3.74	3.71	29.45	29.575	12	11
M3	21/08/2024	Mid-Ebb	Cloudy	Low	10:28	2	M	1.00	2			7.2		3.83		30.0		48.9		3.68		29.7		10	

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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	23/08/2024	Mid-Flood	Sunny	Low	15:41	2.6	M	1.30	1	0.095	167.288	7.16	7.16	2.58	2.60	28.5	28.50	33.6	32.95	2.53	2.48	24.55	24.73	80	81
M1	23/08/2024	Mid-Flood	Sunny	Low	15:41	2.6	M	1.30	2			7.16		2.62		28.5		32.3		2.43		24.91		81	
M2	23/08/2024	Mid-Flood	Sunny	Low	16:01	2.4	M	1.20	1	0.074	176.368	7.17	7.18	2.68	2.71	28.5	28.55	37.6	36.70	2.83	2.76	23.12	23.21	74	80
M2	23/08/2024	Mid-Flood	Sunny	Low	16:01	2.4	M	1.20	2			7.18		2.73		28.6		35.8		2.69		23.3		85	
M3	23/08/2024	Mid-Flood	Sunny	Low	16:22	2.1	M	1.05	1	0.089	181.272	7.2	7.20	3.25	3.25	28.5	28.55	48.3	48.60	3.63	3.66	38.99	38.885	82	85
M3	23/08/2024	Mid-Flood	Sunny	Low	16:22	2.1	M	1.05	2			7.2		3.25		28.6		48.9		3.68		38.78		87	
M1	23/08/2024	Mid-Ebb	Sunny	Low	9:47	2.5	M	1.25	1	0.064	336.44	7.14	7.15	2.69	2.72	28.8	28.80	36.7	37.05	2.76	2.79	23.69	23.78	80	79
M1	23/08/2024	Mid-Ebb	Sunny	Low	9:47	2.5	M	1.25	2			7.16		2.75		28.8		37.4		2.81		23.87		78	
M2	23/08/2024	Mid-Ebb	Sunny	Low	9:24	2.2	M	1.10	1	0.073	301.128	7.18	7.19	2.77	2.78	28.8	28.80	36.0	35.15	2.71	2.65	24.48	24.555	85	86
M2	23/08/2024	Mid-Ebb	Sunny	Low	9:24	2.2	M	1.10	2			7.19		2.78		28.8		34.3		2.58		24.63		86	
M3	23/08/2024	Mid-Ebb	Sunny	Low	10:03	2	M	1.00	1	0.075	324.725	7.12	7.13	3.17	3.14	28.8	28.85	50.7	50.60	3.81	3.81	38.11	38	82	80
M3	23/08/2024	Mid-Ebb	Sunny	Low	10:04	2	M	1.00	2			7.14		3.11		28.9		50.5		3.8		37.89		77	

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	97	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	99	107.25

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	26/08/2024	Mid-Flood	Sunny	Low	8:37	2.5	M	1.25	1	0.082	177.692	7.25	7.25	2.43	2.47	29.4	29.40	38.3	38.55	2.88	2.90	20.40	20.335	31	34
M1	26/08/2024	Mid-Flood	Sunny	Low	8:38	2.5	M	1.25	2			7.25		2.51		29.4		38.8		2.92		20.27		36	
M2	26/08/2024	Mid-Flood	Sunny	Low	8:51	2.3	M	1.15	1	0.073	172.398	7.23	7.24	2.58	2.55	29.4	29.45	41.4	41.00	3.11	3.08	21.23	21.16	35	35
M2	26/08/2024	Mid-Flood	Sunny	Low	8:51	2.3	M	1.15	2			7.25		2.51		29.5		40.6		3.05		21.09		35	
M3	26/08/2024	Mid-Flood	Sunny	Low	9:12	2.1	M	1.05	1	0.076	164.821	7.24	7.23	3.13	3.18	29.4	29.40	51.1	50.90	3.84	3.83	32.64	32.465	29	27
M3	26/08/2024	Mid-Flood	Sunny	Low	9:12	2.1	M	1.05	2			7.22		3.22		29.4		50.7		3.81		32.29		25	
M1	26/08/2024	Mid-Ebb	Sunny	Low	12:38	2.4	M	1.20	1	0.075	310.736	7.19	7.18	2.55	2.53	29.2	29.25	39.5	38.85	2.97	2.92	20.59	20.535	32	33
M1	26/08/2024	Mid-Ebb	Sunny	Low	12:38	2.4	M	1.20	2			7.17		2.51		29.3		38.2		2.87		20.48		34	
M2	26/08/2024	Mid-Ebb	Sunny	Low	12:15	2	M	1.00	1	0.059	317.084	7.22	7.22	2.68	2.66	29.2	29.25	40.8	41.30	3.07	3.11	21.25	21.205	30	31
M2	26/08/2024	Mid-Ebb	Sunny	Low	12:15	2	M	1.00	2			7.21		2.63		29.3		41.8		3.14		21.16		31	
M3	26/08/2024	Mid-Ebb	Sunny	Low	12:55	1.8	M	0.90	1	0.063	340.551	7.24	7.24	3.20	3.25	29.2	29.25	50.3	50.95	3.78	3.83	33.30	33.185	33	36
M3	26/08/2024	Mid-Ebb	Sunny	Low	12:55	1.8	M	0.90	2			7.23		3.29		29.3		51.6		3.88		33.07		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	28/08/2024	Mid-Flood	Sunny	Low	8:00	2.6	M	1.30	1	0.092	172.784	7.18	7.17	3.13	3.16	28.1	28.15	38.4	38.35	2.89	2.89	23.15	22.94	54	54
M1	28/08/2024	Mid-Flood	Cloudy	Low	8:00	2.6	M	1.30	2			7.16		3.19		28.2		38.3		2.88		22.73		54	
M2	28/08/2024	Mid-Flood	Cloudy	Low	8:24	2.3	M	1.15	1	0.073	164.868	7.19	7.20	3.25	3.26	28.1	28.15	39.2	39.80	2.95	3.00	23.48	23.6	60	66
M2	28/08/2024	Mid-Flood	Cloudy	Low	8:24	2.3	M	1.15	2			7.2		3.27		28.2		40.4		3.04		23.72		71	
M3	28/08/2024	Mid-Flood	Cloudy	Low	8:43	2	M	1.00	1	0.077	179.507	7.22	7.23	3.48	3.52	28.1	28.15	48.0	48.55	3.61	3.65	35.70	35.605	44	41
M3	28/08/2024	Mid-Flood	Cloudy	Low	8:43	2	M	1.00	2			7.24		3.55		28.2		49.1		3.69		35.51		38	
M1	28/08/2024	Mid-Ebb	Cloudy	Low	15:54	2.5	M	1.25	1	0.076	340.672	7.16	7.16	2.96	2.97	28.3	28.30	40.7	40.85	3.06	3.07	21.22	21.23	35	36
M1	28/08/2024	Mid-Ebb	Cloudy	Low	15:55	2.5	M	1.25	2			7.15		2.98		28.3		41.0		3.08		21.24		37	
M2	28/08/2024	Mid-Ebb	Cloudy	Low	15:31	2.2	M	1.10	1	0.072	322.486	7.17	7.17	2.88	2.93	28.3	28.35	42.3	41.50	3.18	3.12	22.49	22.37	45	47
M2	28/08/2024	Mid-Ebb	Cloudy	Low	15:31	2.2	M	1.10	2			7.16		2.97		28.4		40.7		3.06		22.25		49	
M3	28/08/2024	Mid-Ebb	Cloudy	Low	16:22	2.1	M	1.05	1	0.078	341.625	7.2	7.20	3.04	3.07	28.3	28.35	53.1	53.00	3.99	3.99	36.18	36.335	61	56
M3	28/08/2024	Mid-Ebb	Cloudy	Low	16:22	2.1	M	1.05	2			7.19		3.1		28.4		52.9		3.98		36.49		51	

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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	61.8	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	30/8/2024	Mid-Flood	Sunny	Low	10:43	2.6	M	1.30	1	0.078	161.347	7.16	7.16	3.11	3.09	29.5	29.55	37.9	38.65	2.85	2.91	18.55	18.73	16	16
M1	30/8/2024	Mid-Flood	Sunny	Low	10:43	2.6	M	1.30	2			7.15		3.07		29.6		39.4		2.96		18.91			
M2	30/8/2024	Mid-Flood	Sunny	Low	11:08	2.4	M	1.20	1	0.082	164.294	7.17	7.17	3.24	3.20	29.5	29.50	38.4	39.15	2.89	2.95	19.41	19.27	22	23
M2	30/8/2024	Mid-Flood	Sunny	Low	11:08	2.4	M	1.20	2			7.17		3.16		29.5		39.9		3		19.13			
M3	30/8/2024	Mid-Flood	Sunny	Low	11:39	2.1	M	1.05	1	0.075	162.003	7.22	7.22	3.67	3.69	29.5	29.50	48.7	49.30	3.66	3.71	32.79	32.89	23	24
M3	30/8/2024	Mid-Flood	Sunny	Low	11:39	2.1	M	1.05	2			7.22		3.71		29.5		49.9		3.75		32.99			
M1	30/8/2024	Mid-Ebb	Sunny	Low	16:22	2.5	M	1.25	1	0.062	317.4	7.19	7.19	3.09	3.10	29.8	29.85	35.9	35.70	2.7	2.69	19.15	19.22	25	25
M1	30/8/2024	Mid-Ebb	Sunny	Low	16:22	2.5	M	1.25	2			7.18		3.1		29.9		35.5		2.67		19.29			
M2	30/8/2024	Mid-Ebb	Sunny	Low	15:54	2.3	M	1.15	1	0.063	308.07	7.12	7.12	3.18	3.21	29.8	29.85	37.2	36.75	2.8	2.77	20.88	20.675	21	12
M2	30/8/2024	Mid-Ebb	Sunny	Low	15:54	2.3	M	1.15	2			7.11		3.23		29.9		36.3		2.73		20.47			
M3	30/8/2024	Mid-Ebb	Sunny	Low	16:44	2.1	M	1.05	1	0.08	316.184	7.21	7.21	3.55	3.52	29.8	29.85	50.3	49.90	3.78	3.75	31.43	31.59	12	15
M3	30/8/2024	Mid-Ebb	Sunny	Low	16:44	2.1	M	1.05	2			7.2		3.49		29.9		49.5		3.72		31.75			

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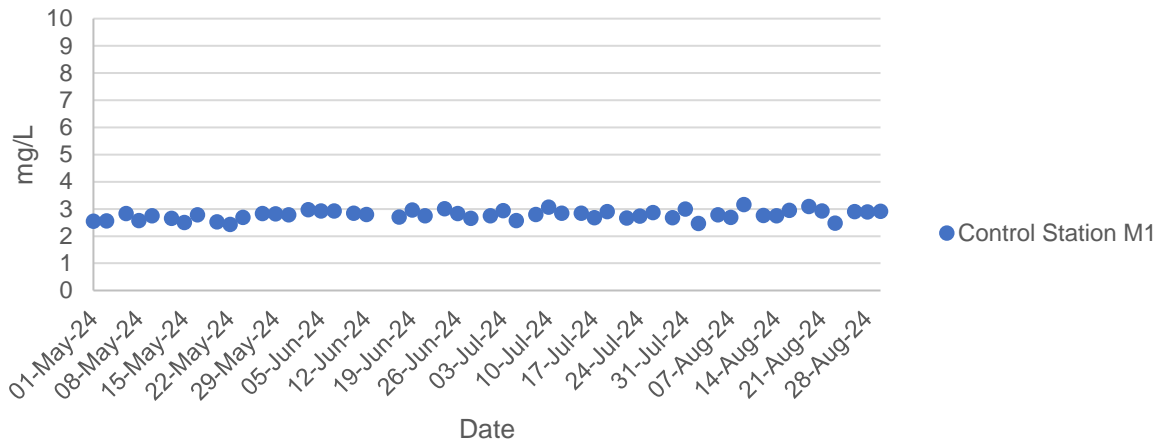
For Flood Tide

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

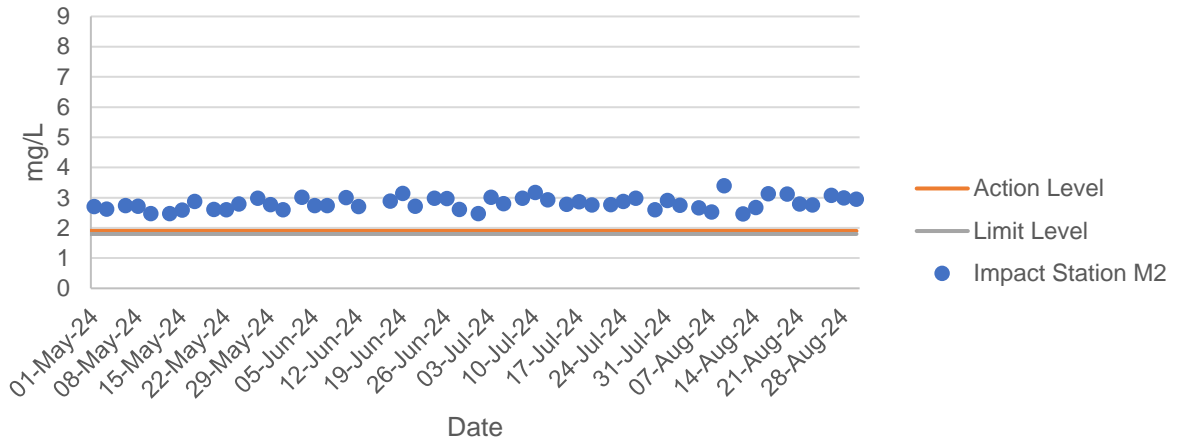
For Ebb Tide

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

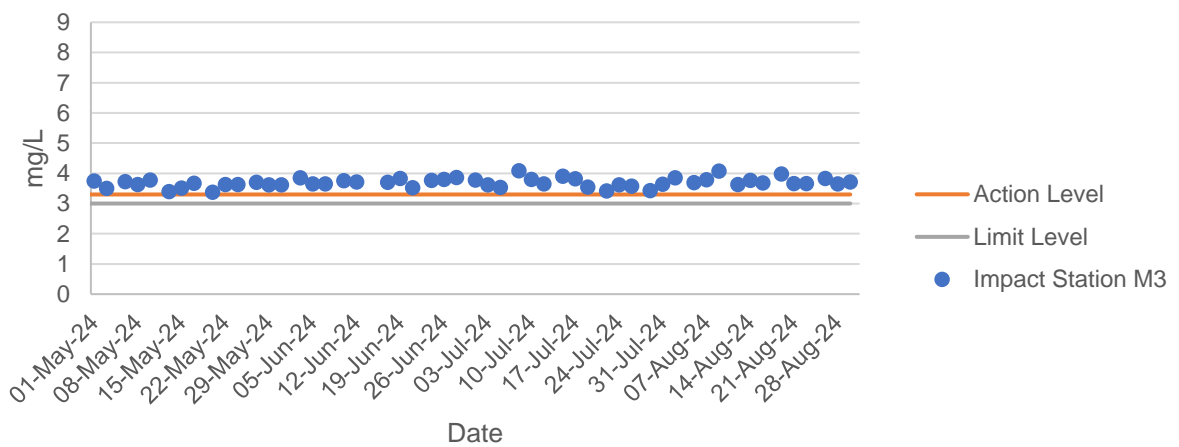
Dissolved Oxygen at Mid-Flood Tide



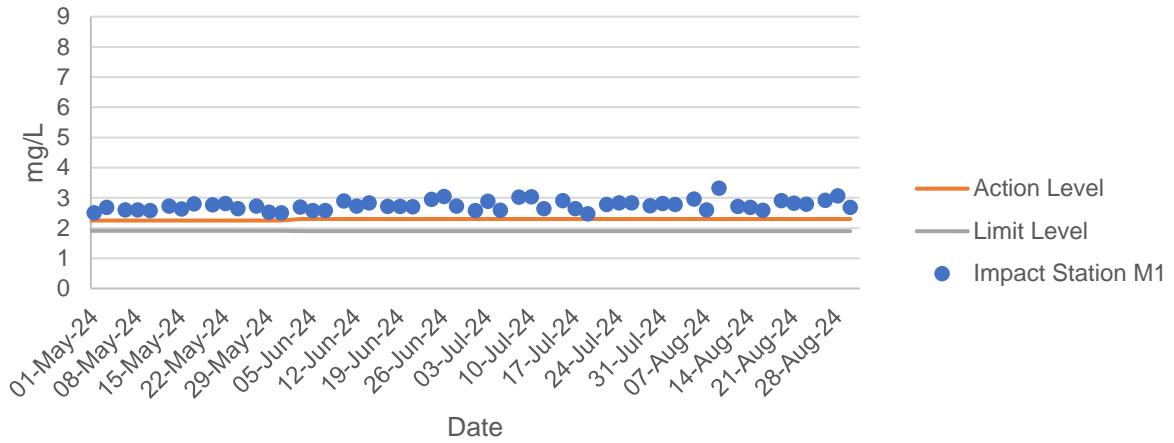
Dissolved Oxygen at Mid-Flood Tide



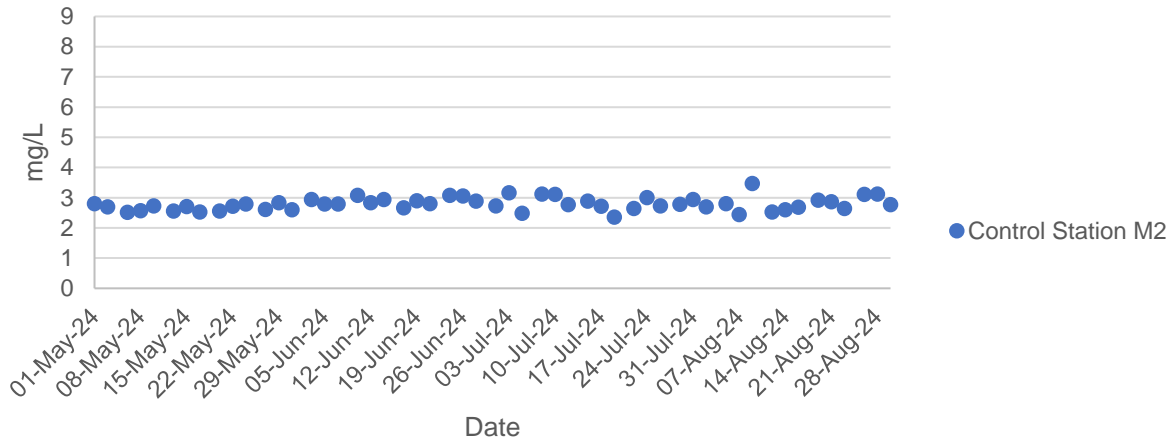
Dissolved Oxygen at Mid-Flood Tide



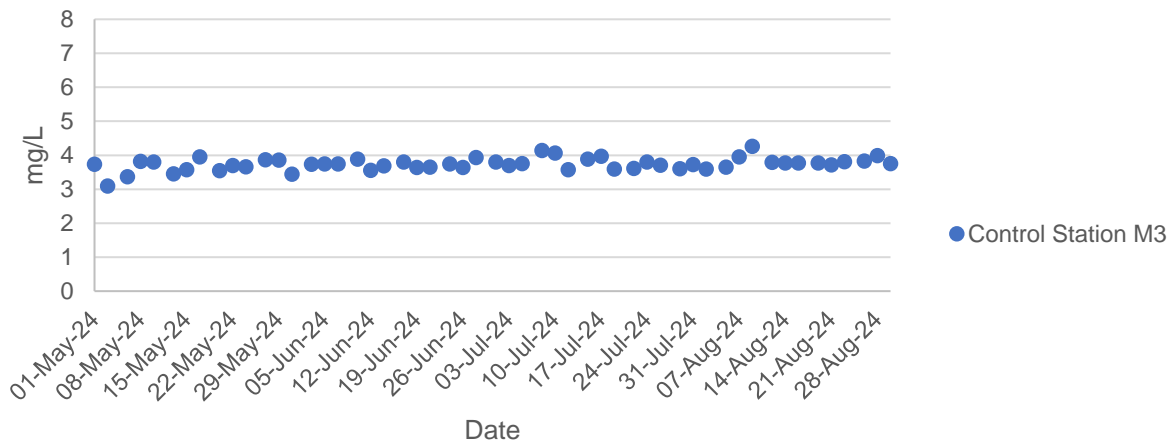
Dissolved Oxygen at Mid-Ebb Tide



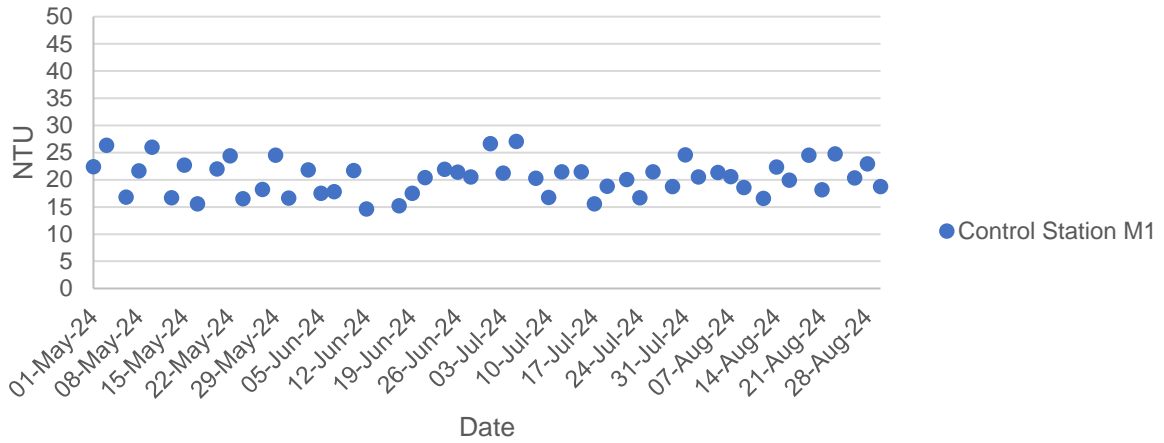
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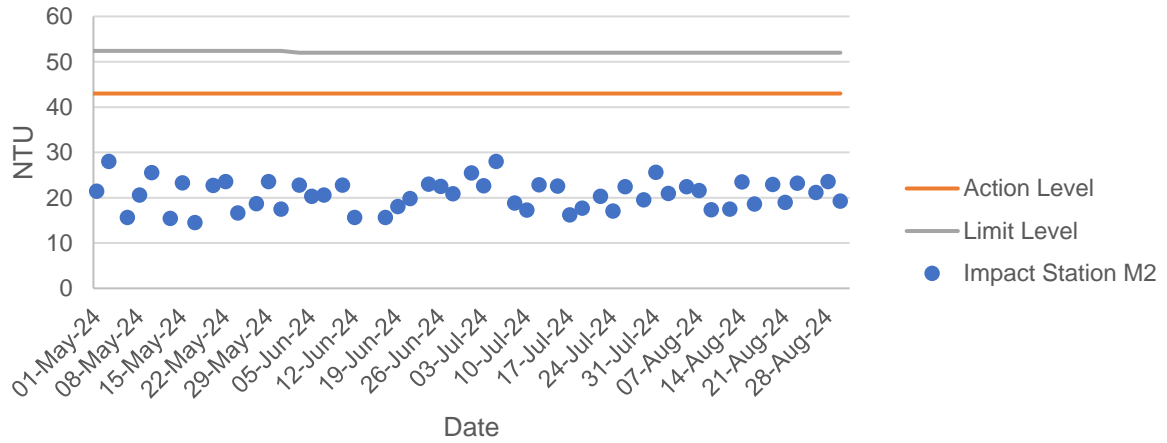
Dissolved Oxygen at Mid-Ebb Tide



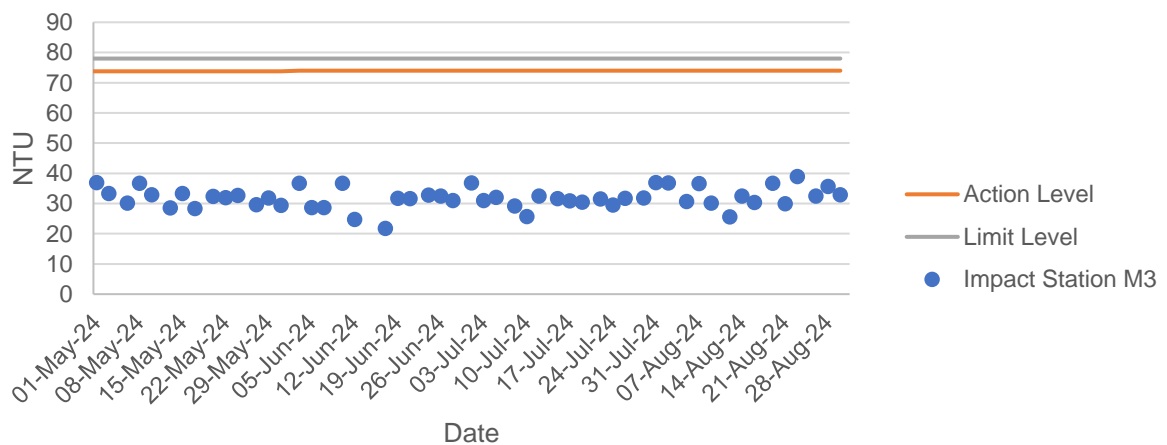
Turbidity at Mid-Flood Tide



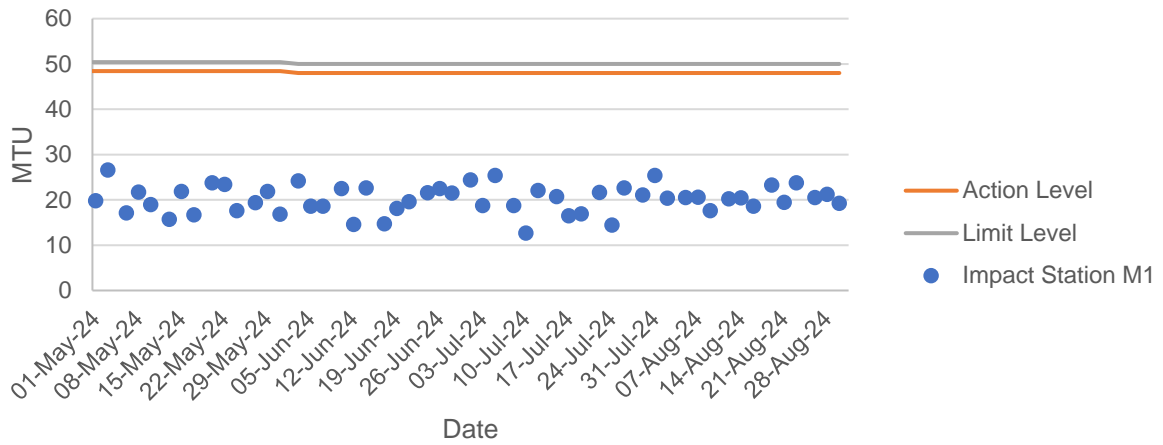
Turbidity at Mid-Flood Tide



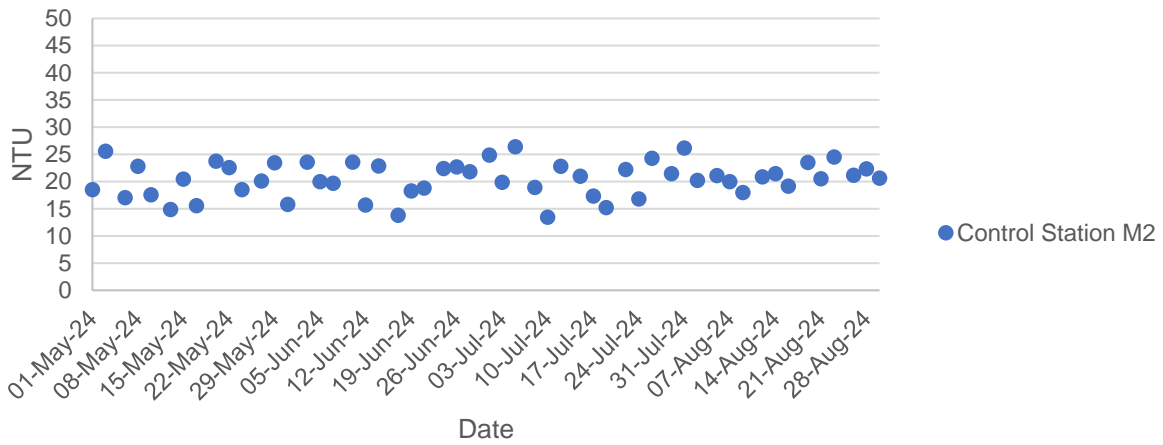
Turbidity at Mid-Flood Tide



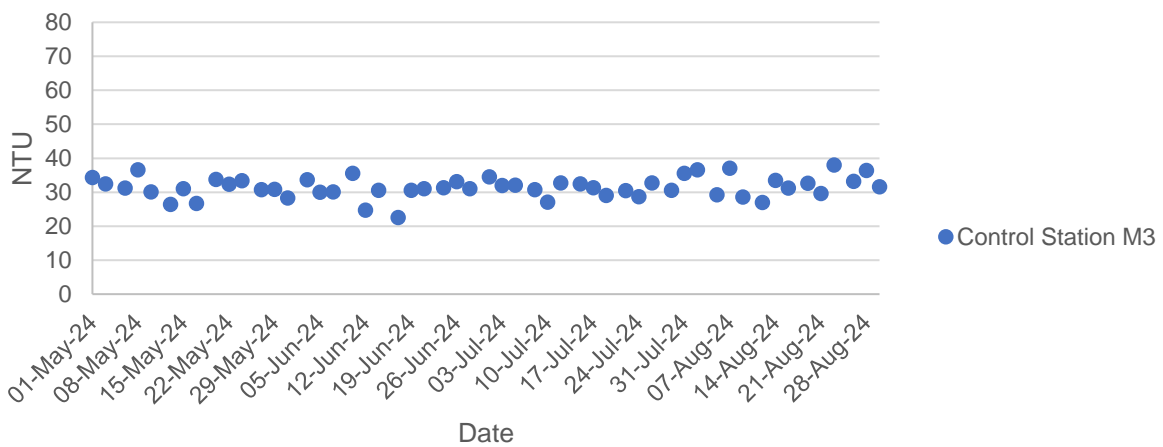
Turbidity at Mid-Ebb Tide



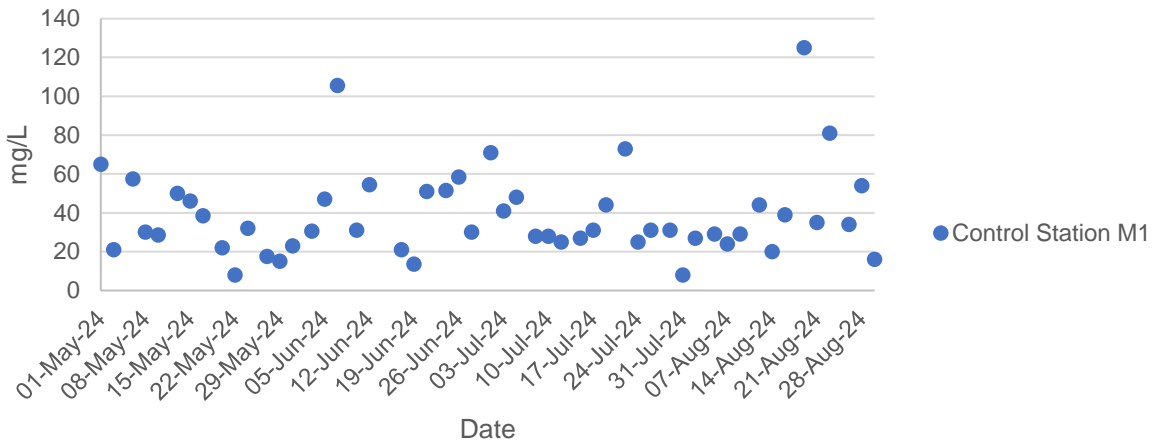
Turbidity at Mid-Ebb Tide



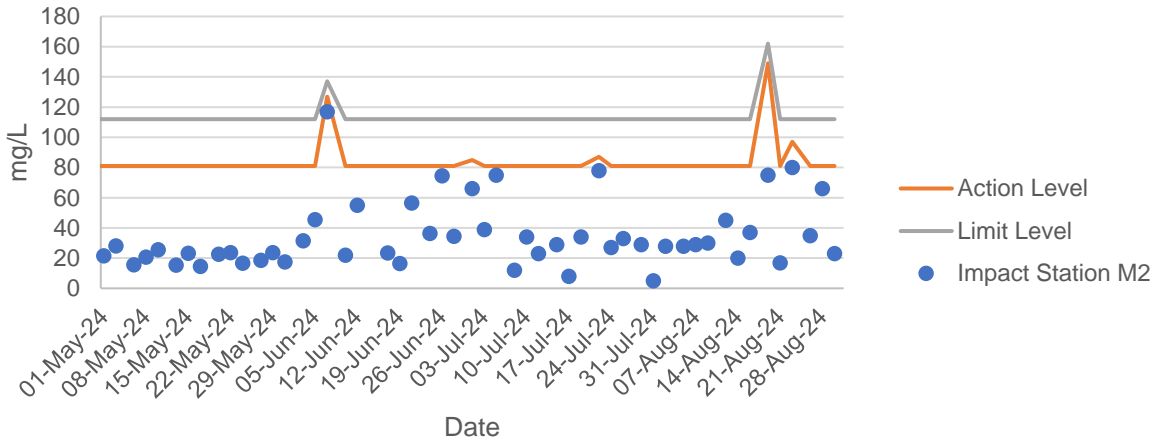
Turbidity at Mid-Ebb Tide



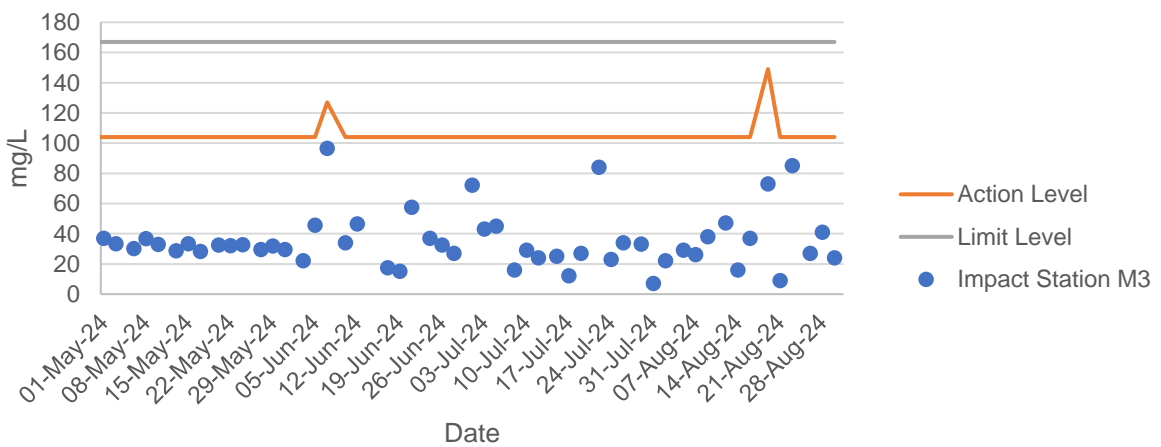
Total Suspended Solids at Mid-Flood Tide



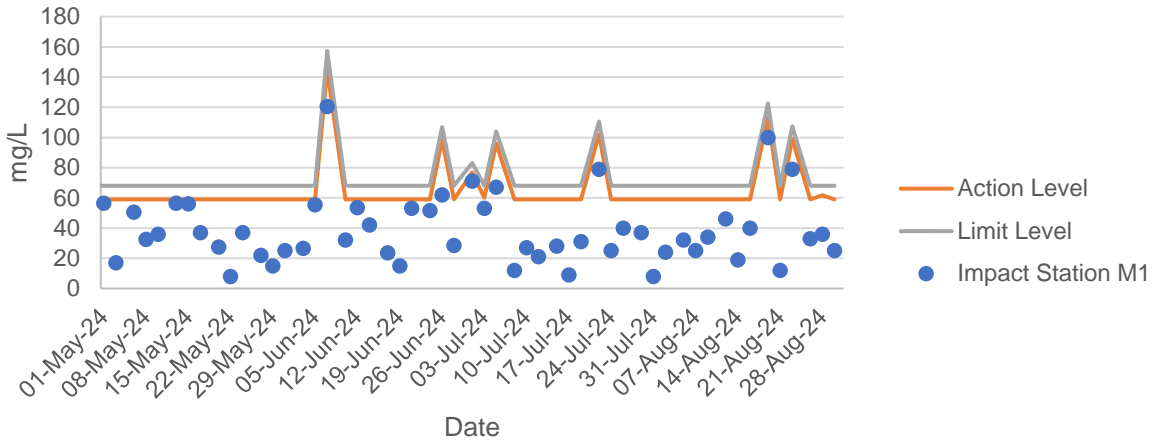
Total Suspended Solids at Mid-Flood Tide



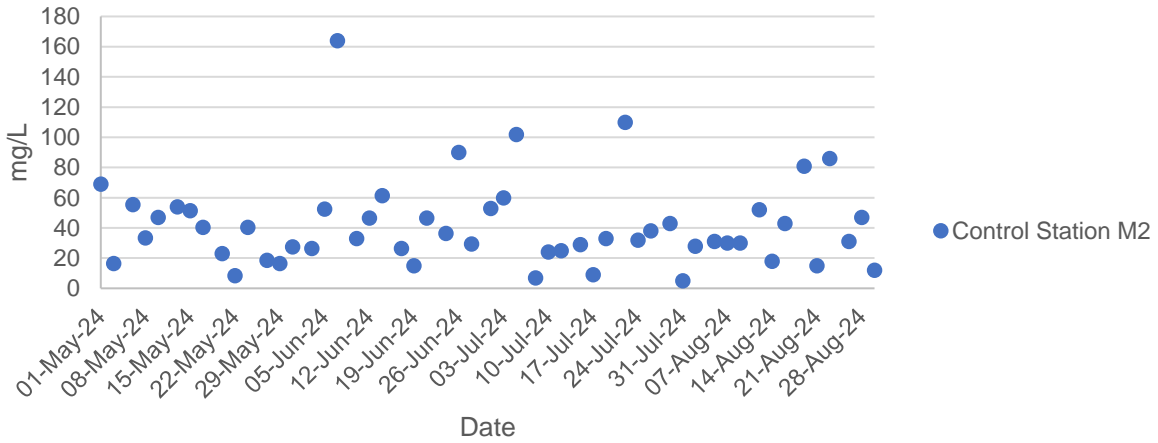
Total Suspended Solids at Mid-Flood Tide



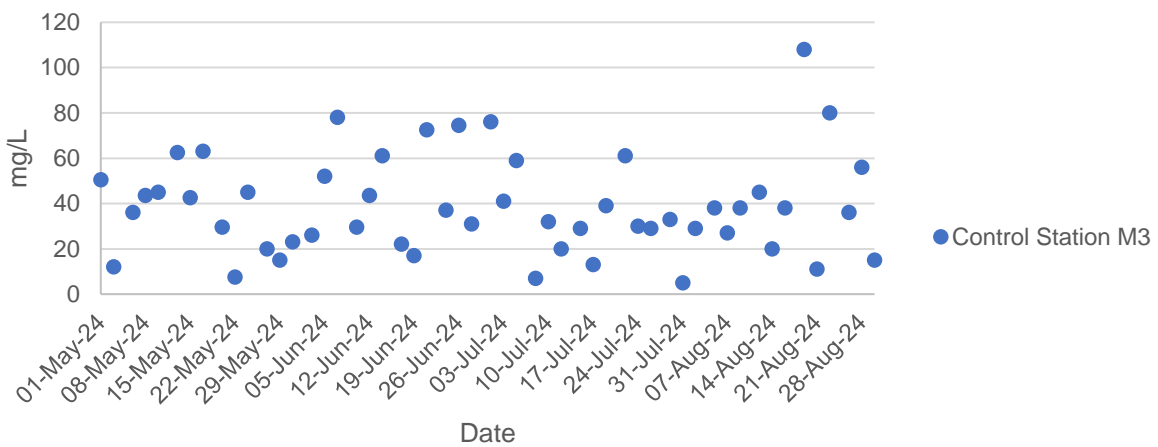
Total Suspended Solids at Mid-Ebb Tide



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 (9 August 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
09/08/2024	Daytime	Wet	FLW	Point Count	FLW1	Black-collared Starling	<i>Gracupica nigricollis</i>	12	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW1	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	1	Common	R,WV	-	-	-	LC	LC	N	Y
09/08/2024	Daytime	Wet	FLW	Point Count	FLW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	14	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	FLW	Point Count	FLW1	Common Myna	<i>Acridotheres tristis</i>	7	Uncommon	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW1	Crested Myna	<i>Acridotheres cristatellus</i>	6	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW1	House Swift	<i>Apus nipalensis</i>	3	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW1	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW1	Scaly-breasted Munia	<i>Lonchura punctulata</i>	3	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW2	Barn Swallow	<i>Hirundo rustica</i>	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW2	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	FLW	Point Count	FLW2	Little Ringed Plover	<i>Charadrius dubius</i>	2	Common	WV,PM	-	-	-	LC	LC	N	Y
09/08/2024	Daytime	Wet	FLW	Point Count	FLW2	Spotted Dove	<i>Spilopelia chinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW2	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW2	White-throated Kingfisher	<i>Halcyon smymensis</i>	1	Common	R	-	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	FLW	Point Count	FLW3	Barn Swallow	<i>Hirundo rustica</i>	4	Abundant	PM,SV	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	FLW	Point Count	FLW3	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
09/08/2024	Daytime	Wet	FLW	Point Count	FLW3	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW3	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	FLW	Point Count	FLW3	White Wagtail	<i>Motacilla alba</i>	4	Common	PM,WV	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW4	Black Drongo	<i>Dicrurus macrocercus</i>	7	Common	SV	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW4	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	FLW	Point Count	FLW4	Black-collared Starling	<i>Gracupica nigricollis</i>	8	Common	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (9 August 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
09/08/2024	Daytime	Wet	FLW	Point Count	FLW4	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW4	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	FLW	Point Count	FLW4	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
09/08/2024	Daytime	Wet	FLW	Point Count	FLW4	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	4	Common	-	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW4	Oriental Magpie Robin	<i>Copsychus saularis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW4	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW4	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW4	Spotted Dove	<i>Spilopelia chinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW4	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
09/08/2024	Daytime	Wet	FLW	Point Count	FLW4	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	2	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW5	Barn Swallow	<i>Hirundo rustica</i>	8	Abundant	PM,SV	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW5	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW5	Collared Crow	<i>Corvus torquatus</i>	1	Uncommon	R	LC	-	-	NT	VU	Y	Y
09/08/2024	Daytime	Wet	FLW	Point Count	FLW5	Common Tailorbird	<i>Orthotomus sutorius</i>	2	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW5	Crested Myna	<i>Acridotheres cristatellus</i>	5	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW5	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	5	Common	-	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW5	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	FLW	Point Count	FLW5	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW5	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW5	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW6	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW6	Chinese Bulbul	<i>Pycnonotus sinensis</i>	6	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW6	Common Tailorbird	<i>Orthotomus sutorius</i>	2	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW6	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (9 August 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
09/08/2024	Daytime	Wet	FLW	Point Count	FLW6	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
09/08/2024	Daytime	Wet	FLW	Point Count	FLW7	Azure-winged Magpie	<i>Cyanopica cyanus</i>	10	Introduced	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW7	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW7	Chinese Pond Heron	<i>Ardeola bacchus</i>	22	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	FLW	Point Count	FLW7	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	3	Common	-	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW7	Oriental Magpie Robin	<i>Copsychus saularis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW7	Scaly-breasted Munia	<i>Lonchura punctulata</i>	3	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW7	Spotted Dove	<i>Spilopelia chinensis</i>	7	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Point Count	FLW7	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Point Count	NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Point Count	NSW1	Common Kingfisher	<i>Alcedo atthis</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
09/08/2024	Daytime	Wet	NSW	Point Count	NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	2	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Tree Sparrow	<i>Passer montanus</i>	8	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Point Count	NSW1	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	NSW	Point Count	NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Point Count	NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Point Count	NSW1	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Greenshank	<i>Tringa nebularia</i>	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Redshank	<i>Tringa totanus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (9 August 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
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Little Egret	<i>Egretta garzetta</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	-	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Wood Sandpiper	<i>Tringa glareola</i>	5	Common	PM,WV	LC	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	8	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Greenshank	<i>Tringa nebularia</i>	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Redshank	<i>Tringa totanus</i>	8	Common	PM	RC	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Crested Myna	<i>Acridotheres crystalatus</i>	5	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Great Egret	<i>Ardea alba</i>	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Swinhoe's White-eye	<i>Zosterops simplex</i>	3	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
09/08/2024	Daytime	Wet	FLW	Transect	FLW	Barn Swallow	<i>Hirundo rustica</i>	6	Abundant	PM,SV	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (9 August 2024)

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09/08/2024	Daytime	Wet	FLW	Transect	FLW	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Transect	FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	FLW	Transect	FLW	Collared Crow	<i>Corvus torquatus</i>	1	Uncommon	R	LC	-	-	NT	VU	Y	Y
09/08/2024	Daytime	Wet	FLW	Transect	FLW	Common Myna	<i>Acridotheres tristis</i>	2	Uncommon	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Transect	FLW	Crested Myna	<i>Acridotheres cristatellus</i>	3	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Transect	FLW	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
09/08/2024	Daytime	Wet	FLW	Transect	FLW	Japanese Tit	<i>Parus minor</i>	3	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Transect	FLW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Transect	FLW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Transect	FLW	Scaly-breasted Munia	<i>Lonchura punctulata</i>	4	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Transect	FLW	Spotted Dove	<i>Spilopelia chinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Transect	FLW	Swinhoe's White-eye	<i>Zosterops simplex</i>	4	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Transect	FLW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	FLW	Transect	FLW	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
09/08/2024	Daytime	Wet	FLW	Transect	FLW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	2	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Transect	NSW	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Transect	NSW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Transect	NSW	Chinese Pond Heron	<i>Ardeola bacchus</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	NSW	Transect	NSW	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Transect	NSW	Crested Myna	<i>Acridotheres cristatellus</i>	3	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Transect	NSW	Great Egret	<i>Ardea alba</i>	4	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	NSW	Transect	NSW	Little Egret	<i>Egretta garzetta</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	NSW	Transect	NSW	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	1	Abundant	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (9 August 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
09/08/2024	Daytime	Wet	NSW	Transect	NSW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Transect	NSW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	5	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	NSW	Transect	NSW	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
09/08/2024	Daytime	Wet	NSW	Transect	NSW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Black-collared Starling	<i>Gracupica nigricollis</i>	5	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Greenshank	<i>Tringa nebularia</i>	3	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Moorhen	<i>Gallinula chloropus</i>	1	Common	R	-	-	-	LC	LC	N	Y
09/08/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Redshank	<i>Tringa totanus</i>	8	Common	PM	RC	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
09/08/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Crested Myna	<i>Acridotheres crisatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Great Egret	<i>Ardea alba</i>	4	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Green Sandpiper	<i>Tringa ochropus</i>	1	Uncommon	PM,WV	-	-	-	LC	LC	N	Y
09/08/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	House Swift	<i>Apus nipalensis</i>	6	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Little Egret	<i>Egretta garzetta</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
09/08/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Scaly-breasted Munia	<i>Lonchura punctulata</i>	3	Common	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Swinhoe's White-eye	<i>Zosterops simplex</i>	4	Abundant	R	-	-	-	LC	LC	N	N
09/08/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Wood Sandpiper	<i>Tringa glareola</i>	4	Common	PM,WV	LC	-	-	LC	LC	Y	Y

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.

Appendix F.1 Ecological Bird Monitoring Result (9 August 2024)

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
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 (9 August 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Cyanopica cyanus</i>	10	0.0316	-3.4532	-0.1093	0.3774
<i>Hirundo rustica</i>	14	0.0443	-3.1167	-0.1381	0.4304
<i>Dicrurus macrocercus</i>	7	0.0222	-3.8098	-0.0844	0.3215
<i>Milvus migrans</i>	1	0.0032	-5.7557	-0.0182	0.1048
<i>Gracupica nigricollis</i>	41	0.1297	-2.0422	-0.2650	0.5411
<i>Nycticorax nycticorax</i>	1	0.0032	-5.7557	-0.0182	0.1048
<i>Pycnonotus sinensis</i>	12	0.0380	-3.2708	-0.1242	0.4063
<i>Ardeola bacchus</i>	58	0.1835	-1.6953	-0.3112	0.5275
<i>Corvus torquatus</i>	1	0.0032	-5.7557	-0.0182	0.1048
<i>Tringa nebularia</i>	4	0.0127	-4.3694	-0.0553	0.2417
<i>Alcedo atthis</i>	4	0.0127	-4.3694	-0.0553	0.2417
<i>Acridotheres tristis</i>	7	0.0222	-3.8098	-0.0844	0.3215
<i>Tringa totanus</i>	10	0.0316	-3.4532	-0.1093	0.3774
<i>Actitis hypoleucos</i>	1	0.0032	-5.7557	-0.0182	0.1048
<i>Orthotomus sutorius</i>	5	0.0158	-4.1463	-0.0656	0.2720
<i>Acridotheres cristatellus</i>	22	0.0696	-2.6647	-0.1855	0.4943
<i>Streptopelia decaocto</i>	14	0.0443	-3.1167	-0.1381	0.4304
<i>Passer montanus</i>	8	0.0253	-3.6763	-0.0931	0.3422
<i>Ardea alba</i>	4	0.0127	-4.3694	-0.0553	0.2417
<i>Apus nipalensis</i>	3	0.0095	-4.6571	-0.0442	0.2059
<i>Egretta garzetta</i>	11	0.0348	-3.3578	-0.1169	0.3925
<i>Charadrius dubius</i>	2	0.0063	-5.0626	-0.0320	0.1622
<i>Lanius schach</i>	1	0.0032	-5.7557	-0.0182	0.1048
<i>Pterorhinus perspicillatus</i>	3	0.0095	-4.6571	-0.0442	0.2059
<i>Copsychus saularis</i>	5	0.0158	-4.1463	-0.0656	0.2720
<i>Prinia inornata</i>	7	0.0222	-3.8098	-0.0844	0.3215
<i>Pycnonotus jocosus</i>	8	0.0253	-3.6763	-0.0931	0.3422
<i>Lonchura punctulata</i>	6	0.0190	-3.9640	-0.0753	0.2984
<i>Spilopelia chinensis</i>	20	0.0633	-2.7600	-0.1747	0.4821
<i>Zosterops simplex</i>	3	0.0095	-4.6571	-0.0442	0.2059
<i>Motacilla alba</i>	6	0.0190	-3.9640	-0.0753	0.2984
<i>Amaurornis phoenicurus</i>	6	0.0190	-3.9640	-0.0753	0.2984
<i>Halcyon smyrnensis</i>	2	0.0063	-5.0626	-0.0320	0.1622
<i>Tringa glareola</i>	5	0.0158	-4.1463	-0.0656	0.2720
<i>Prinia flaviventris</i>	4	0.0127	-4.3694	-0.0553	0.2417
Total	316	1.0000	-142.3966	-3.0431	10.2523
Richness	35				
SS	10.2523				
SQ	9.2606				
H	3.0431				
S ² H	0.0033				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (9 August 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Milvus migrans</i>	1	0.0101	-4.5951	-0.0464	0.2133
<i>Nycticorax nycticorax</i>	1	0.0101	-4.5951	-0.0464	0.2133
<i>Ardeola bacchus</i>	58	0.5859	-0.5347	-0.3132	0.1675
<i>Corvus torquatus</i>	1	0.0101	-4.5951	-0.0464	0.2133
<i>Tringa nebularia</i>	4	0.0404	-3.2088	-0.1296	0.4160
<i>Tringa totanus</i>	10	0.1010	-2.2925	-0.2316	0.5309
<i>Ardea alba</i>	4	0.0404	-3.2088	-0.1296	0.4160
<i>Egretta garzetta</i>	11	0.1111	-2.1972	-0.2441	0.5364
<i>Charadrius dubius</i>	2	0.0202	-3.9020	-0.0788	0.3076
<i>Halcyon smyrnensis</i>	2	0.0202	-3.9020	-0.0788	0.3076
<i>Tringa glareola</i>	5	0.0505	-2.9857	-0.1508	0.4502
Total	99	1.0000	-36.0171	-1.4959	3.7721
Richness	11				
SS	3.7721				
SQ	2.2378				
H	1.4959				
S ² H	0.0160				

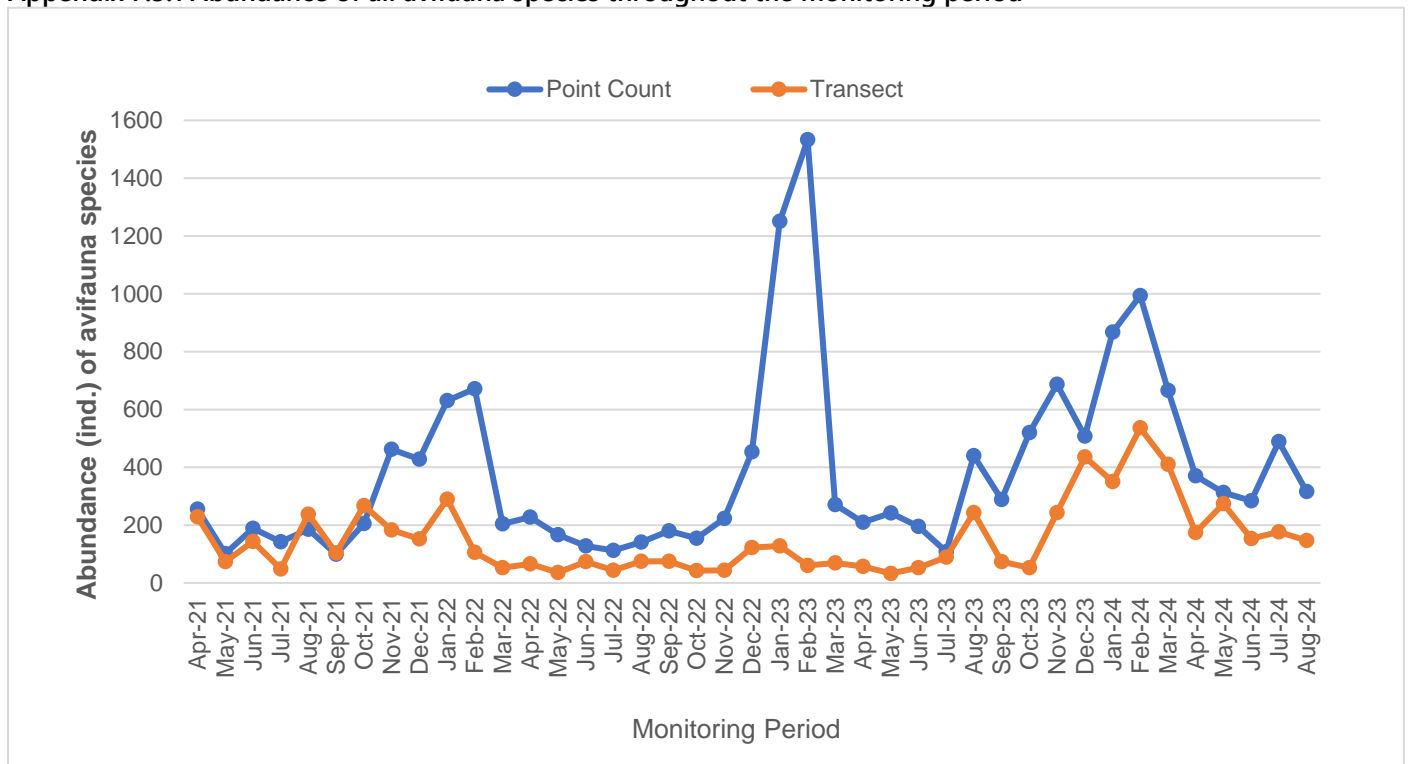
Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method) in All Habitats (9 August 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Hirundo rustica</i>	8	0.0544	-2.9110	-0.1584	0.4612
<i>Milvus migrans</i>	1	0.0068	-4.9904	-0.0339	0.1694
<i>Gracupica nigricollis</i>	15	0.1020	-2.2824	-0.2329	0.5316
<i>Pycnonotus sinensis</i>	4	0.0272	-3.6041	-0.0981	0.3535
<i>Ardeola bacchus</i>	13	0.0884	-2.4255	-0.2145	0.5203
<i>Corvus torquatus</i>	1	0.0068	-4.9904	-0.0339	0.1694
<i>Tringa nebularia</i>	3	0.0204	-3.8918	-0.0794	0.3091
<i>Gallinula chloropus</i>	1	0.0068	-4.9904	-0.0339	0.1694
<i>Acridotheres tristis</i>	2	0.0136	-4.2973	-0.0585	0.2512
<i>Tringa totanus</i>	8	0.0544	-2.9110	-0.1584	0.4612
<i>Actitis hypoleucos</i>	1	0.0068	-4.9904	-0.0339	0.1694
<i>Orthotomus sutorius</i>	1	0.0068	-4.9904	-0.0339	0.1694
<i>Acridotheres cristatellus</i>	10	0.0680	-2.6878	-0.1828	0.4915
<i>Ardea alba</i>	8	0.0544	-2.9110	-0.1584	0.4612
<i>Centropus sinensis</i>	2	0.0136	-4.2973	-0.0585	0.2512
<i>Tringa ochropus</i>	1	0.0068	-4.9904	-0.0339	0.1694
<i>Ardea cinerea</i>	1	0.0068	-4.9904	-0.0339	0.1694
<i>Apus nipalensis</i>	6	0.0408	-3.1987	-0.1306	0.4176
<i>Parus minor</i>	3	0.0204	-3.8918	-0.0794	0.3091
<i>Egretta garzetta</i>	8	0.0544	-2.9110	-0.1584	0.4612
<i>Pterorhinus perspicillatus</i>	1	0.0068	-4.9904	-0.0339	0.1694
<i>Copsychus saularis</i>	2	0.0136	-4.2973	-0.0585	0.2512
<i>Prinia inornata</i>	6	0.0408	-3.1987	-0.1306	0.4176
<i>Pycnonotus jocosus</i>	9	0.0612	-2.7932	-0.1710	0.4777
<i>Lonchura punctulata</i>	7	0.0476	-3.0445	-0.1450	0.4414
<i>Spilopelia chinensis</i>	4	0.0272	-3.6041	-0.0981	0.3535
<i>Zosterops simplex</i>	8	0.0544	-2.9110	-0.1584	0.4612
<i>Motacilla alba</i>	3	0.0204	-3.8918	-0.0794	0.3091
<i>Amaurornis phoenicurus</i>	3	0.0204	-3.8918	-0.0794	0.3091
<i>Tringa glareola</i>	4	0.0272	-3.6041	-0.0981	0.3535
<i>Prinia flaviventris</i>	3	0.0204	-3.8918	-0.0794	0.3091
Total	147	1.0000	-117.2726	-3.1378	10.3184
Richness	31				
SS	10.3184				
SQ	9.8457				
H	3.1378				
S ² H	0.003910				

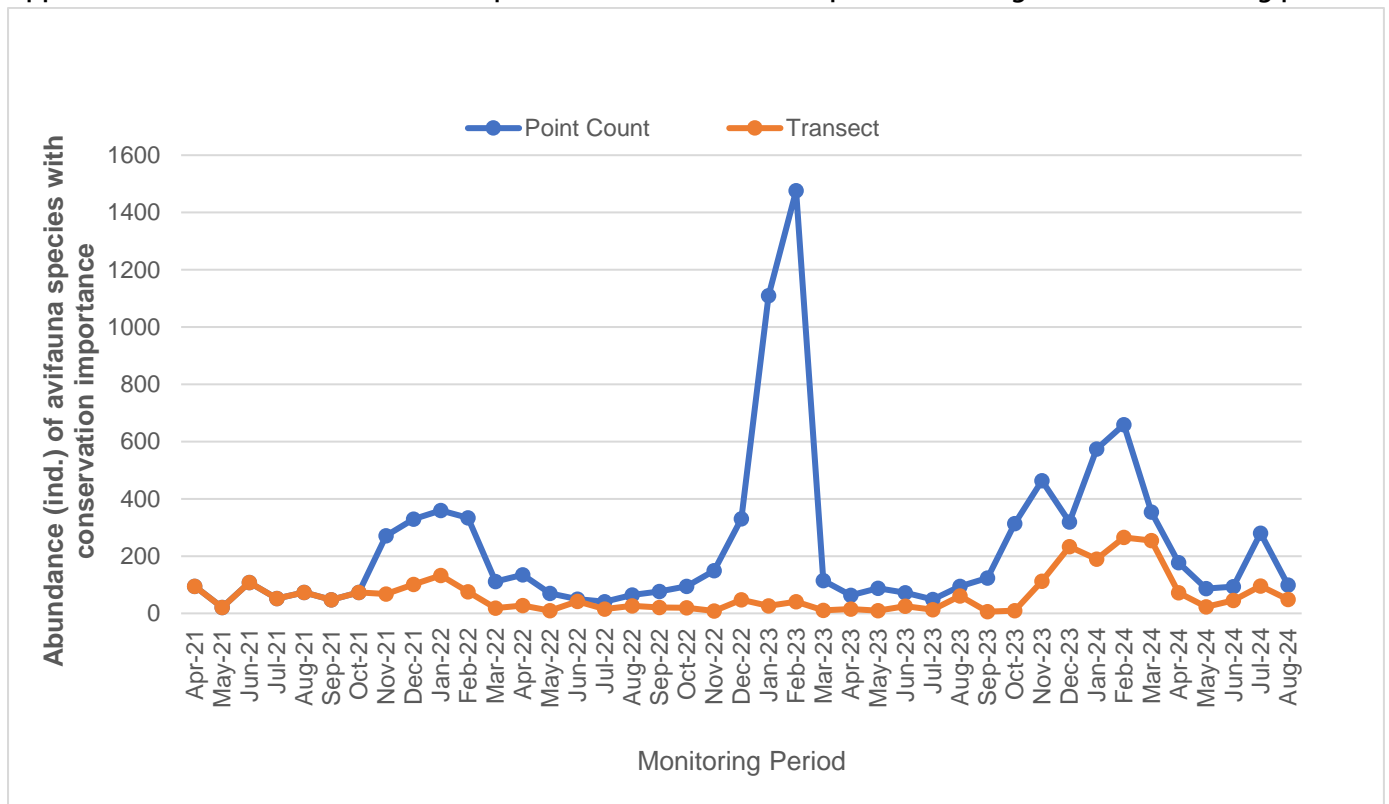
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (9 August 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Milvus migrans</i>	1	0.0204	-3.8918	-0.0794	0.3091
<i>Ardeola bacchus</i>	13	0.2653	-1.3269	-0.3520	0.4671
<i>Corvus torquatus</i>	1	0.0204	-3.8918	-0.0794	0.3091
<i>Tringa nebularia</i>	3	0.0612	-2.7932	-0.1710	0.4777
<i>Tringa totanus</i>	8	0.1633	-1.8124	-0.2959	0.5363
<i>Ardea alba</i>	8	0.1633	-1.8124	-0.2959	0.5363
<i>Centropus sinensis</i>	2	0.0408	-3.1987	-0.1306	0.4176
<i>Ardea cinerea</i>	1	0.0204	-3.8918	-0.0794	0.3091
<i>Egretta garzetta</i>	8	0.1633	-1.8124	-0.2959	0.5363
<i>Tringa glareola</i>	4	0.0816	-2.5055	-0.2045	0.5125
Total	49	1.0000	-26.9369	-1.9841	4.4110
Richness	10				
SS	4.4110				
SQ	3.9367				
H	1.9841				
S ² H	0.01155				

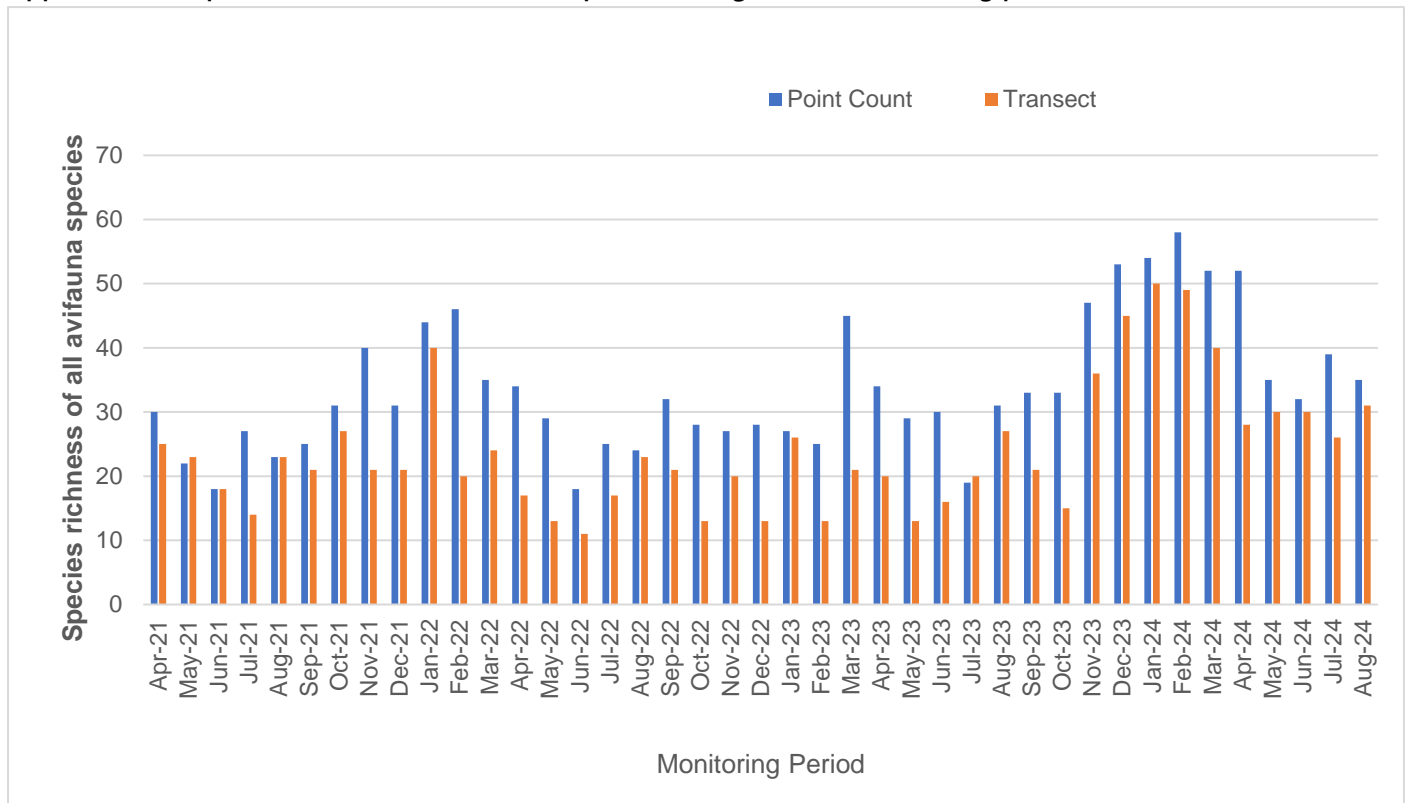
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



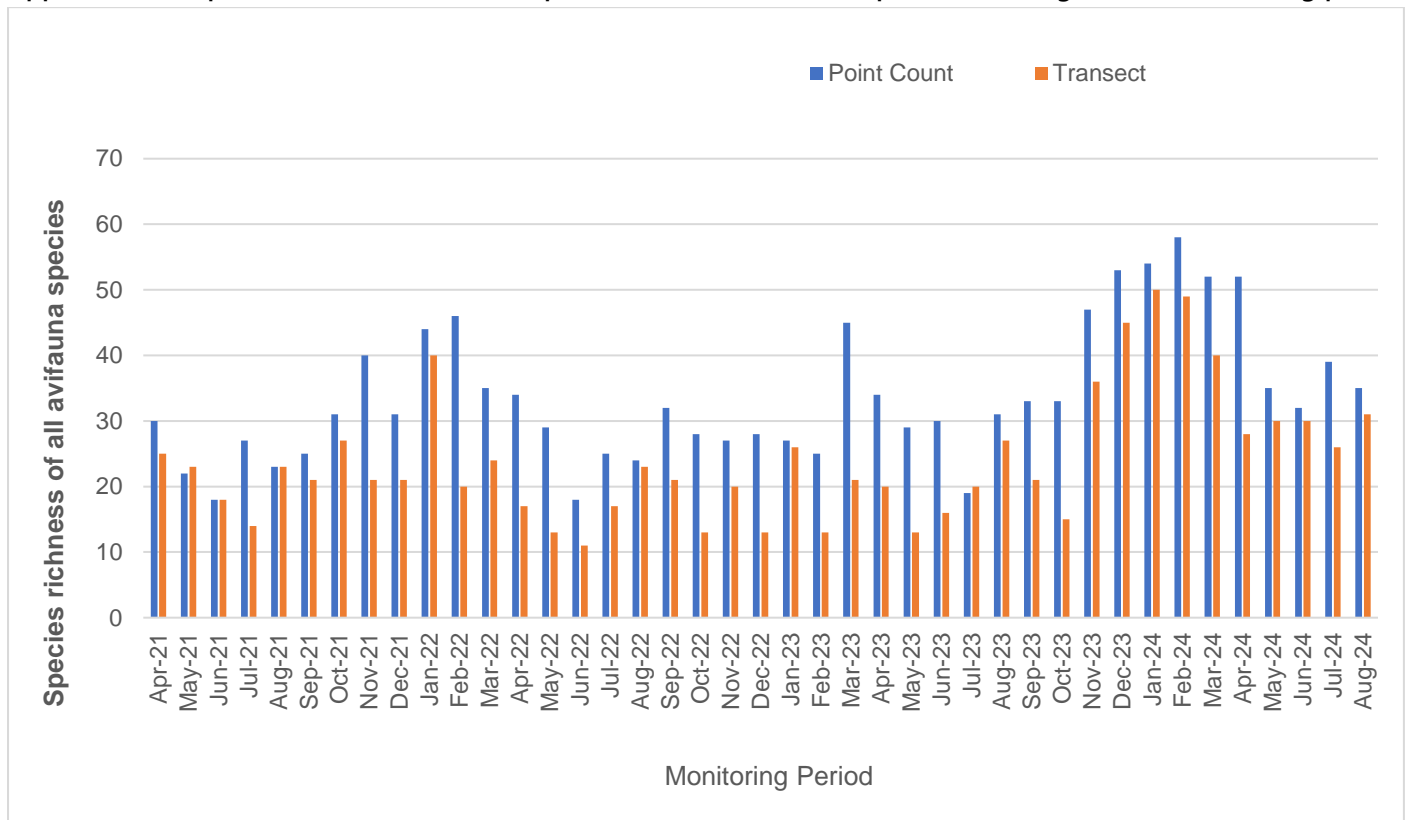
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



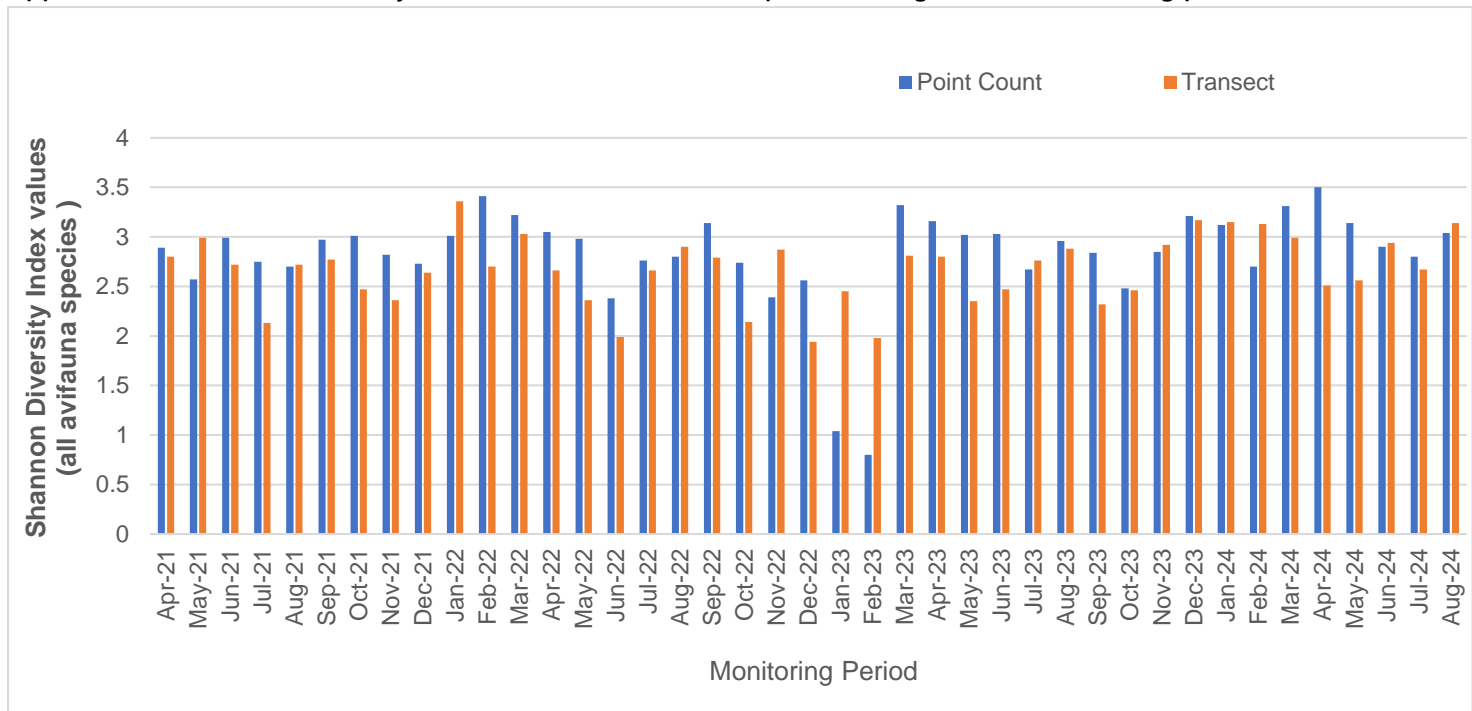
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



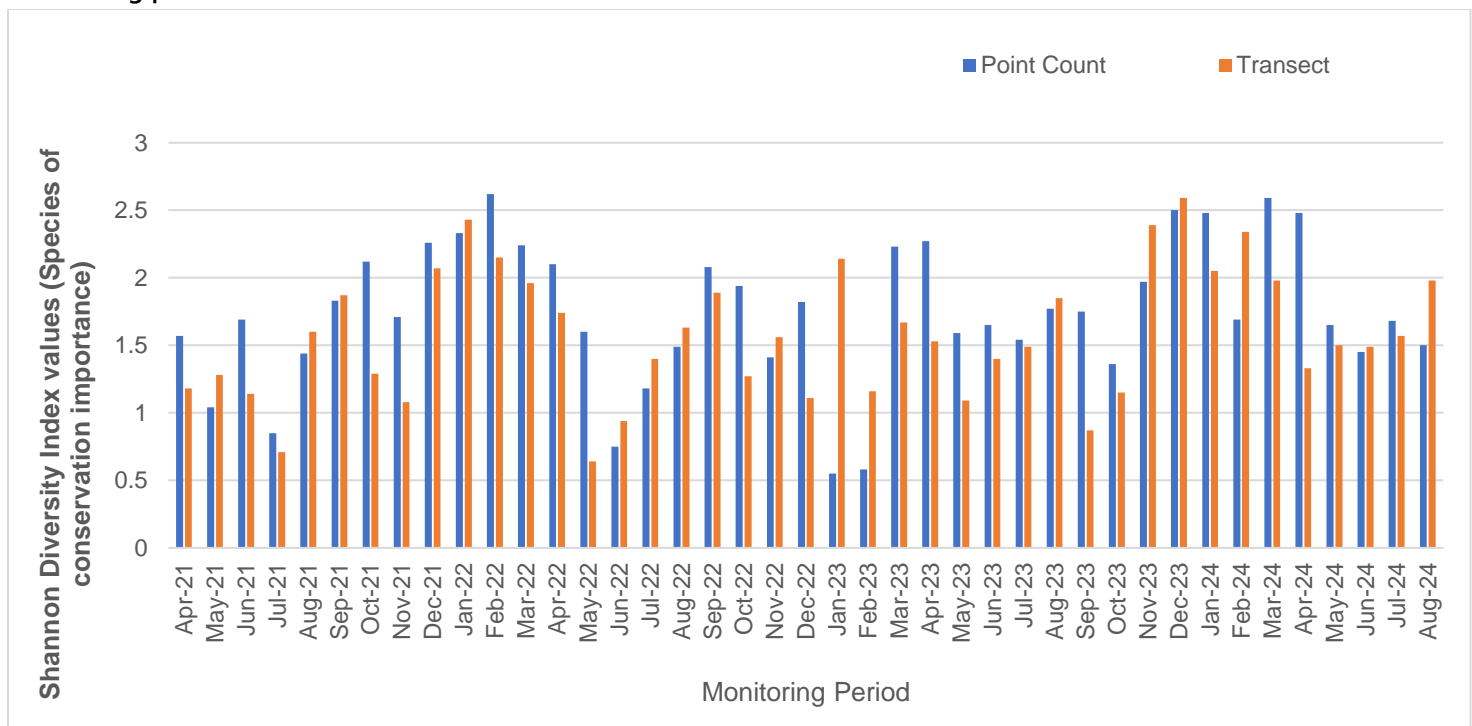
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



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	August 2016	August 2024
Total	160	316
Richness	26	35
H	2.7992	3.0431
S ² H	0.0056	0.0033
t	2.5843	
df	344.1027	
Crit	1.9669	
p	0.0102	
CI	0.1497	0.1150

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

Months	August 2016	August 2024
Total	140	147
Richness	30	31
H	2.8718	3.1378
S ² H	0.00818	0.00391
t	2.4187	
df	251.1708	
Crit	1.9695	
p	1.6E-02	
CI	0.1809	0.1251

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

Months	August 2016	August 2024
Total	66	99
Richness	7	11
H	1.6754	1.4959
S ² H	0.0072	0.0160
t	1.1780	
df	159.6416	
Crit	1.9750	
p	0.2406	
CI	0.1697	0.2530

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

Months	August 2016	August 2024
Total	54	49
Richness	6	10
H	1.2637	1.9841
S ² H	0.0137	0.01155
t	4.5332	
df	102.8634	
Crit	1.9835	
p	1.59E-05	
CI	0.2341	0.2150