

Air Quality Monitoring Results

1-hour TSP Monitoring Result for

Contract No. SPW 02/2023

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

AM1 - Topfine Machinery (China) Co. Ltd.

Date	Weather Condition	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
			1st Measurement	2nd Measurement	3rd Measurement		
2/09/2024	Fine	8:30	31	34	36	291	500
7/09/2024	Fine	8:05	35	36	38		
13/09/2024	Fine	9:00	41	40	31		
19/09/2024	Fine	8:21	33	31	30		
25/09/2024	Fine	8:32	43	38	37		
30/09/2024	Fine	8:44	40	41	45		
		Min	30				
		Max	45				
		Average	37				

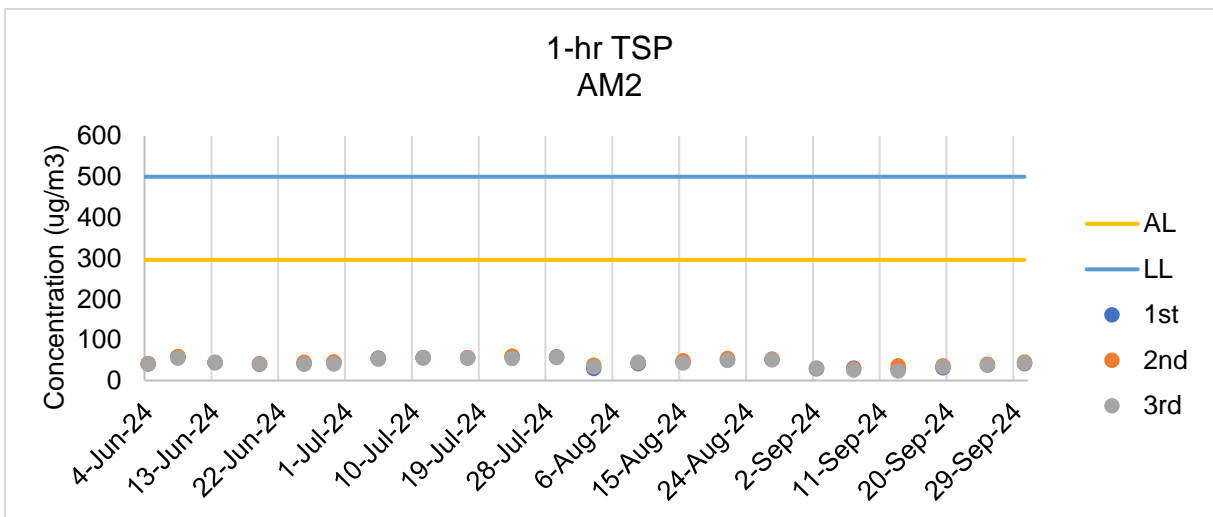
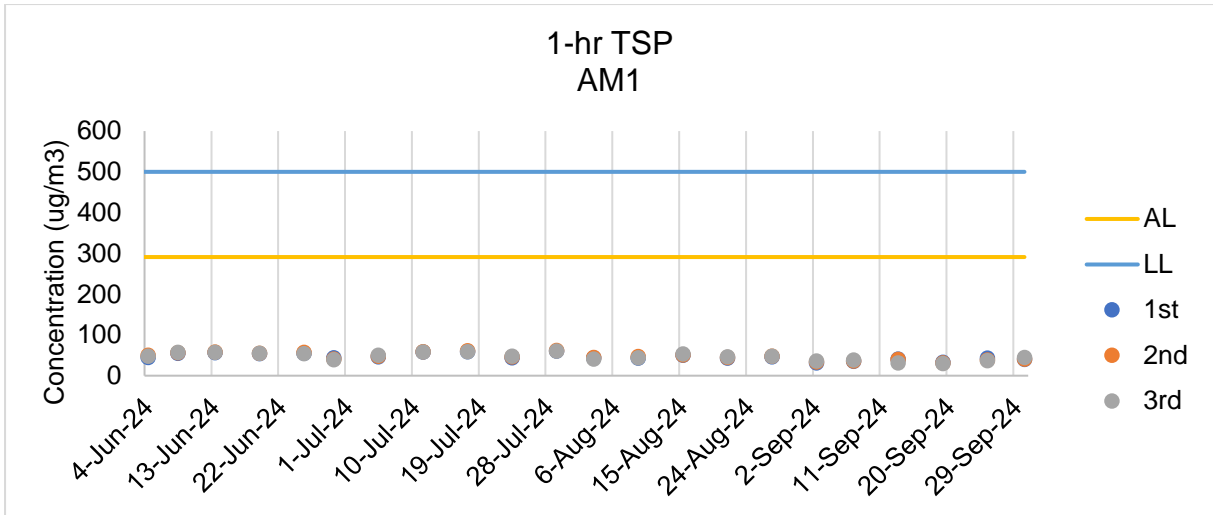
AM2 - Squatter house at the west of Yuen Long STW

Date	Weather Condition	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
			1st Measurement	2nd Measurement	3rd Measurement		
2/09/2024	Fine	13:05	29	30	31	296	500
7/09/2024	Fine	14:00	31	29	26		
13/09/2024	Fine	13:20	28	36	24		
19/09/2024	Fine	13:15	32	36	34		
25/09/2024	Fine	13:45	39	40	38		
30/09/2024	Fine	13:34	42	46	43		
		Min	24				
		Max	46				
		Average	34				

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)
2/09/2024	9:24	59.0	61.3	58.5	0.0	sunny	75
13/09/2024	9:42	60.0	61.9	58.6	0.0	sunny	75
19/09/2024	9:14	58.3	60.3	57.2	0.6	sunny	75
25/09/2024	9:23	58.1	60.4	57.2	0.1	sunny	75
30/09/2024	9:35	57.3	59.1	56.3	0.0	sunny	75
	Max	60.0					
	Min	57.3					

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)
2/09/2024	13:05	56.4	57.1	55.3	0.1	sunny	75
13/09/2024	10:57	56.0	57.2	55.2	0.0	sunny	75
19/09/2024	13:20	56.4	58.0	55.3	0.0	sunny	75
25/09/2024	13:15	59.1	61.4	58.2	0.0	sunny	75
30/09/2024	13:45	58.3	59.1	57.0	0.1	sunny	75
	Max	59.1					
	Min	56.0					

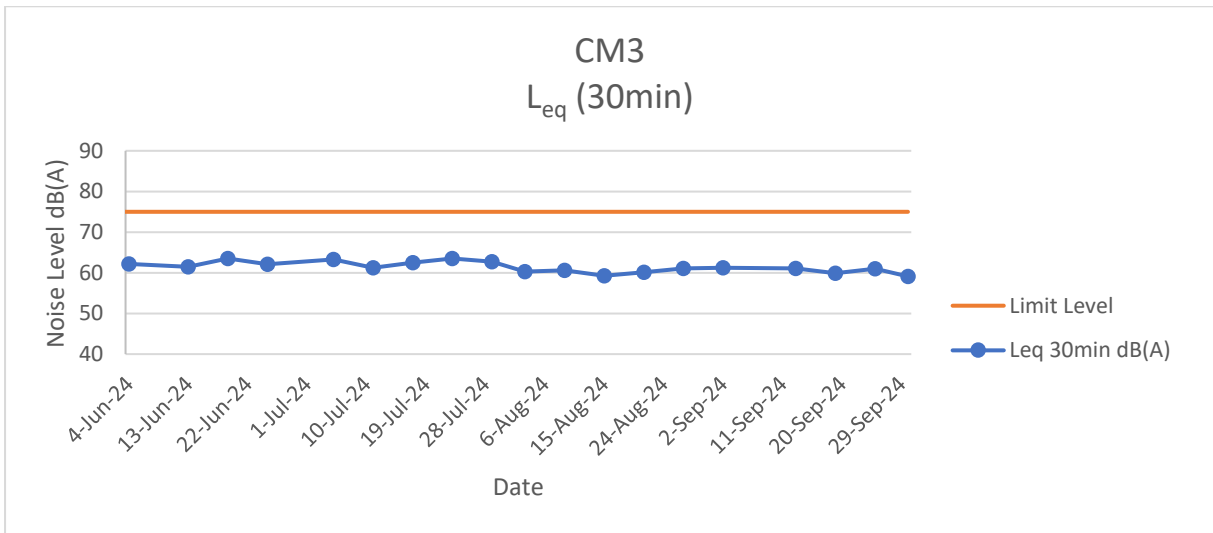
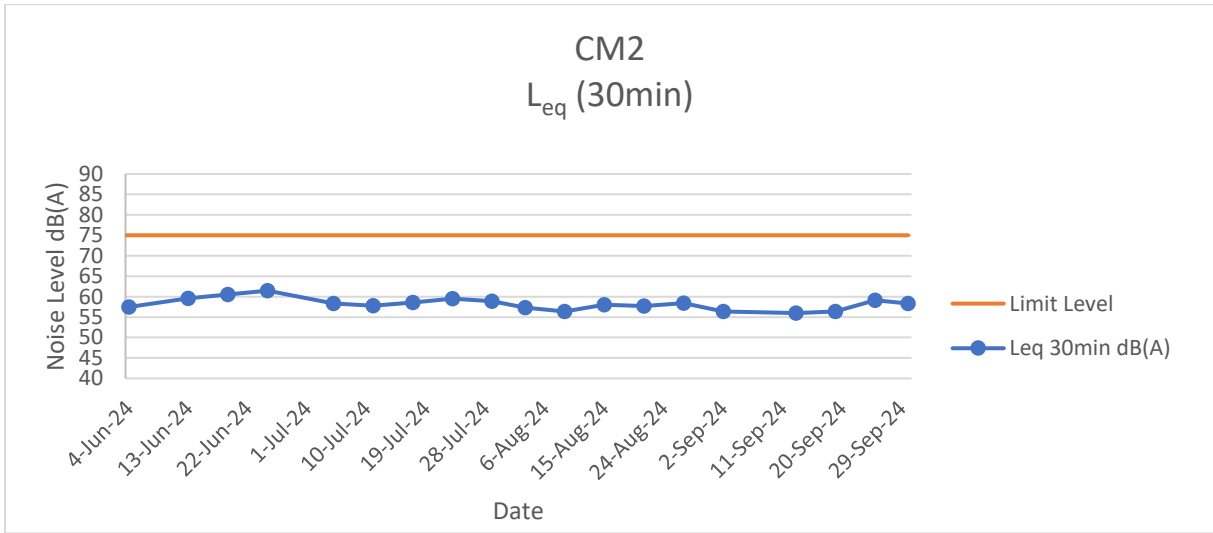
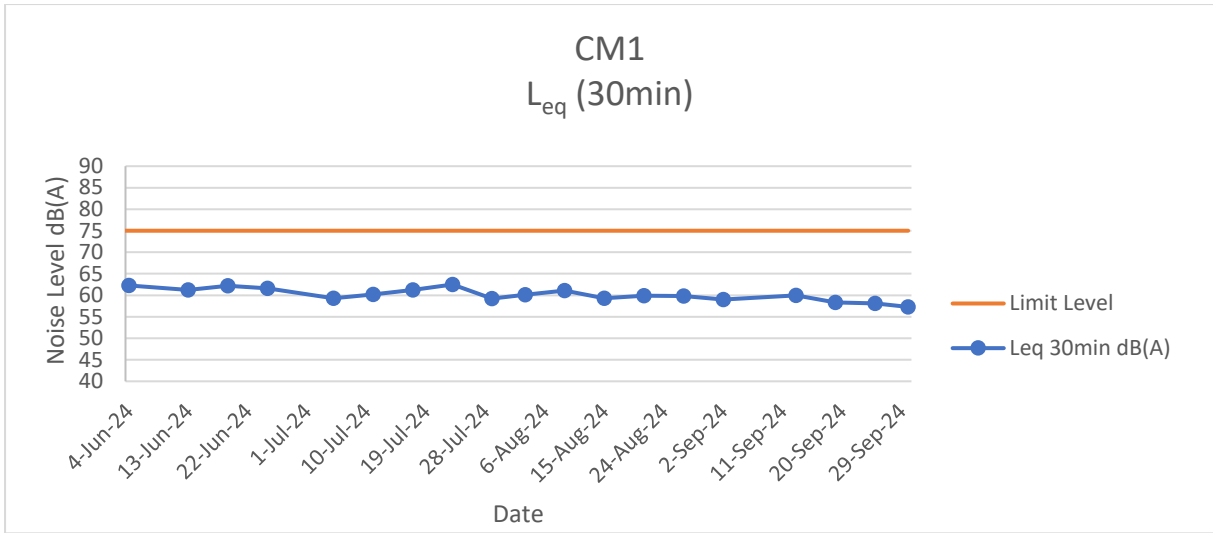
CM3 - Squatter house to the east of YLSTW

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)
2/09/2024	10:36	61.2	63.4	60.5	0.4	sunny	75
13/09/2024	12:18	61.1	62.9	60.4	0.0	sunny	75
19/09/2024	10:28	59.9	62.1	58.3	0.3	sunny	75
25/09/2024	10:35	61.0	62.5	59.0	0.1	sunny	75
30/09/2024	10:49	59.1	61.2	58.0	0.5	sunny	75
	Max	61.2					
	Min	59.1					

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	2/09/2024	Mid-Flood	Sunny	Low	16:22	2.6	M	1.30	1	0.077	170.46	7.17	7.18	2.37	2.36	28.7	28.70	33.4	32.85	2.51	2.47	26.63	26.035	60	61
M1	2/09/2024	Mid-Flood	Sunny	Low	16:22	2.6	M	1.30	2			7.18		2.35		28.7		32.3		2.43		25.44		61	
M2	2/09/2024	Mid-Flood	Sunny	Low	16:55	2.2	M	1.10	1	0.081	182.751	7.16	7.17	2.49	2.48	28.7	28.75	37.0	37.60	2.78	2.83	24.82	24.895	16	14
M2	2/09/2024	Mid-Flood	Sunny	Low	16:55	2.2	M	1.10	2			7.18		2.47		28.8		38.2		2.87		24.97		12	
M3	2/09/2024	Mid-Flood	Sunny	Low	16:59	1.8	M	0.90	1	0.074	161.939	7.16	7.15	2.35	2.34	28.7	28.70	49.9	49.00	3.6	3.61	36.93	36.715	55	53
M3	2/09/2024	Mid-Flood	Sunny	Low	16:59	1.8	M	0.90	2			7.14		2.32		28.7		48.1		3.62		36.5		50	
M1	2/09/2024	Mid-Ebb	Sunny	Low	12:26	2.4	M	1.20	1	0.067	335.974	7.2	7.20	2.37	2.42	28.8	28.80	35.1	34.30	2.64	2.58	21.58	21.505	12	10
M1	2/09/2024	Mid-Ebb	Sunny	Low	12:26	2.4	M	1.20	2			7.19		2.46		28.8		33.5		2.52		21.43		8	
M2	2/09/2024	Mid-Ebb	Sunny	Low	11:52	2	M	1.00	1	0.07	314.676	7.13	7.13	2.40	2.40	28.8	28.80	36.3	35.35	2.73	2.66	22.43	22.565	10	9
M2	2/09/2024	Mid-Ebb	Sunny	Low	11:52	2	M	1.00	2			7.12		2.4		28.8		34.4		2.59		22.7		8	
M3	2/09/2024	Mid-Ebb	Sunny	Low	12:35	1.9	M	0.95	1	0.071	303.791	7.17	7.17	2.46	2.48	28.8	28.85	50.5	51.25	3.8	3.86	36.90	37.005	8	7
M3	2/09/2024	Mid-Ebb	Sunny	Low	12:35	1.9	M	0.95	2			7.16		2.5		28.9		52.0		3.91		37.11		6	

Remark

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2. Red and Bold: Limit Level Exceedance (For Impact Station Only)
3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day.
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	4/09/2024	Mid-Flood	Sunny	Low	8:39	2.4	M	1.20	1	0.089	161.776	7.2	7.20	2.56	2.59	29.1	29.15	37.0	37.70	2.78	2.84	19.55	19.575	36	37
M1	4/09/2024	Mid-Flood	Sunny	Low	8:39	2.4	M	1.20	2			7.2		2.61		29.2		38.4		2.89		19.6		37	
M2	4/09/2024	Mid-Flood	Sunny	Low	9:11	2.1	M	1.05	1	0.084	189.189	7.2	7.20	2.92	2.93	29.1	29.10	34.6	35.00	2.6	2.63	20.12	19.995	40	39
M2	4/09/2024	Mid-Flood	Sunny	Low	9:12	2.1	M	1.05	2			7.19		2.93		29.1		35.4		2.66		19.87		37	
M3	4/09/2024	Mid-Flood	Sunny	Low	9:26	1.8	M	0.90	1	0.079	173.285	7.25	7.26	3.39	3.35	29.1	29.15	49.2	49.05	3.7	3.69	30.66	30.715	36	34
M3	4/09/2024	Mid-Flood	Sunny	Low	9:26	1.8	M	0.90	2			7.27		3.3		29.2		48.9		3.68		30.77		32	
M1	4/09/2024	Mid-Ebb	Sunny	Low	13:20	2.3	M	1.15	1	0.071	301.402	7.25	7.26	2.45	2.47	29.3	29.35	33.8	32.85	2.54	2.47	21.57	21.375	38	38
M1	4/09/2024	Mid-Ebb	Sunny	Low	13:21	2.3	M	1.15	2			7.26		2.48		29.4		31.9		2.39		21.18		37	
M2	4/09/2024	Mid-Ebb	Sunny	Low	12:55	1.9	M	0.95	1	0.074	343.147	7.19	7.20	2.55	2.53	29.3	29.35	37.4	37.45	2.81	2.82	18.55	18.495	41	40
M2	4/09/2024	Mid-Ebb	Sunny	Low	12:55	1.9	M	0.95	2			7.21		2.51		29.4		37.5		2.82		18.44		39	
M3	4/09/2024	Mid-Ebb	Sunny	Low	13:40	1.9	M	0.95	1	0.081	305.912	7.18	7.19	3.08	3.10	29.3	29.30	49.9	49.50	3.75	3.72	29.58	29.59	39	42
M3	4/09/2024	Mid-Ebb	Sunny	Low	13:40	1.9	M	0.95	2			7.19		3.12		29.3		49.1		3.69		29.6		44	

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	9/09/2024	Mid-Flood	Sunny	Low	12:00	1.25	M	0.63	1	0.087	173.365	7.17	7.16	3.18	3.16	28.7	28.70	38.6	38.00	2.9	2.86	19.99	20.05	47	41
M1	9/09/2024	Mid-Flood	Sunny	Low	12:00	1.25	M	0.63	2			7.15		3.14		28.7		37.4		2.81		20.11		35	
M2	9/09/2024	Mid-Flood	Sunny	Low	2:24	1.05	M	0.53	1	0.092	188.375	7.19	7.20	3.46	3.44	28.7	28.75	38.0	37.90	2.86	2.85	20.58	20.605	43	40
M2	9/09/2024	Mid-Flood	Sunny	Low	2:24	1.05	M	0.53	2			7.2		3.42		28.8		37.8		2.84		20.63		37	
M3	9/09/2024	Mid-Flood	Sunny	Low	19:12	0.9	M	0.45	1	0.082	169.008	7.13	7.13	4.45	4.42	28.7	28.75	54.7	53.70	4.11	4.04	31.73	31.73	49	46
M3	9/09/2024	Mid-Flood	Sunny	Low	19:12	0.9	M	0.45	2			7.12		4.39		28.8		52.7		3.96		31.73		43	
M1	9/09/2024	Mid-Ebb	Sunny	Low	9:36	1.2	M	0.60	1	0.061	302.709	7.18	7.19	3.45	3.43	28.9	28.95	41.4	40.70	3.11	3.06	20.58	20.38	50	48
M1	9/09/2024	Mid-Ebb	Sunny	Low	9:36	1.2	M	0.60	2			7.19		3.41		29.0		40.0		3.01		20.18		45	
M2	9/09/2024	Mid-Ebb	Sunny	Low	2:24	1.05	M	0.53	1	0.072	303.536	7.11	7.10	3.11	3.13	28.9	28.90	43.1	42.30	3.24	3.18	21.72	21.84	48	52
M2	9/09/2024	Mid-Ebb	Sunny	Low	2:24	1.05	M	0.53	2			7.09		3.14		28.9		41.5		3.12		21.96		55	
M3	9/09/2024	Mid-Ebb	Sunny	Low	21:36	0.95	M	0.48	1	0.08	325.005	7.16	7.16	4.58	4.60	28.9	28.90	56.5	56.65	4.25	4.26	32.84	32.71	48	47
M3	9/09/2024	Mid-Ebb	Sunny	Low	21:36	0.95	M	0.48	2			7.16		4.62		28.9		56.8		4.27		32.58		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	59.1	68

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	11/09/2024	Mid-Flood	Sunny	Low	16:17	2.8	M	1.40	1	0.09	182.766	7.21	7.20	3.31	3.32	29.5	29.55	38.3	37.55	2.88	2.83	36.94	36.785	41	44
M1	11/09/2024	Mid-Flood	Sunny	Low	16:17	2.8	M	1.40	2			7.19		3.33		29.6		36.8		2.77		36.63			
M2	11/09/2024	Mid-Flood	Sunny	Low	16:45	2.4	M	1.20	1	0.089	185.148	7.23	7.23	2.95	2.93	29.5	29.55	40.7	40.70	3.06	3.06	36.87	36.73	38	36
M2	11/09/2024	Mid-Flood	Sunny	Low	16:46	2.4	M	1.20	2			7.23		2.91		29.6		40.7		3.06		36.59			
M3	11/09/2024	Mid-Flood	Sunny	Low	16:57	2	M	1.00	1	0.078	180.267	7.25	7.26	3.69	3.66	29.5	29.55	50.4	50.95	3.79	3.83	36.72	36.76	41	44
M3	11/09/2024	Mid-Flood	Sunny	Low	16:57	2	M	1.00	2			7.26		3.62		29.6		51.5		3.87		36.8			
M1	11/09/2024	Mid-Ebb	Sunny	Low	8:39	2.6	M	1.30	1	0.067	319.441	7.26	7.27	3.29	3.32	29.1	29.10	37.4	37.80	2.81	2.84	36.53	36.39	40	44
M1	11/09/2024	Mid-Ebb	Sunny	Low	8:39	2.6	M	1.30	2			7.28		3.34		29.1		38.2		2.87		36.25			
M2	11/09/2024	Mid-Ebb	Sunny	Low	8:11	2.3	M	1.15	1	0.073	308.077	7.22	7.22	3.49	3.50	29.1	29.10	38.7	39.05	2.91	2.94	36.93	36.79	49	48
M2	11/09/2024	Mid-Ebb	Sunny	Low	8:11	2.3	M	1.15	2			7.22		3.51		29.1		39.4		2.96		36.65			
M3	11/09/2024	Mid-Ebb	Sunny	Low	8:55	2.1	M	1.05	1	0.081	331.994	7.27	7.28	4.08	4.04	29.1	29.10	53.9	53.50	4.05	4.02	36.94	37.015	46	46
M3	11/09/2024	Mid-Ebb	Sunny	Low	8:55	2.1	M	1.05	2			7.29		3.99		29.1		53.1		3.99		37.09			

Remark

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

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	44.1	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	13/09/2024	Mid-Flood	Sunny	Low	18:03	2.6	M	1.30	1	0.089	168.892	7.22	7.21	3.33	3.36	28.1	28.15	39.8	39.05	2.99	2.94	22.55	22.68	12	14
M1	13/09/2024	Mid-Flood	Sunny	Low	18:03	2.6	M	1.30	2			7.2		3.38		28.2		38.3		2.88		22.81		16	
M2	13/09/2024	Mid-Flood	Sunny	Low	18:33	2.4	M	1.20	1	0.085	178.296	7.24	7.25	3.18	3.14	28.1	28.15	37.9	37.70	2.85	2.84	24.35	24.175	15	18
M2	13/09/2024	Mid-Flood	Sunny	Low	18:33	2.4	M	1.20	2			7.26		3.09		28.2		37.5		2.82		24		21	
M3	13/09/2024	Mid-Flood	Sunny	Low	18:45	2	M	1.00	1	0.094	180.843	7.25	7.26	4.37	4.41	28.1	28.15	51.5	50.70	3.87	3.81	31.22	31.135	12	11
M3	13/09/2024	Mid-Flood	Sunny	Low	18:45	2	M	1.00	2			7.26		4.44		28.2		49.9		3.75		31.05		10	
M1	13/09/2024	Mid-Ebb	Sunny	Low	12:08	2.5	M	1.25	1	0.081	303.563	7.2	7.20	2.97	2.94	28.3	28.30	36.7	36.70	2.76	2.76	21.55	21.445	10	11
M1	13/09/2024	Mid-Ebb	Sunny	Low	12:08	2.5	M	1.25	2			7.2		2.9		28.3		36.7		2.76		21.34		11	
M2	13/09/2024	Mid-Ebb	Sunny	Low	11:39	2.1	M	1.05	1	0.067	300.501	7.21	7.21	3.11	3.16	28.3	28.35	35.4	35.40	2.66	2.66	21.66	21.575	12	13
M2	13/09/2024	Mid-Ebb	Sunny	Low	11:40	2.1	M	1.05	2			7.21		3.2		28.4		35.4		2.66		21.49		14	
M3	13/09/2024	Mid-Ebb	Sunny	Low	12:23	1.8	M	0.90	1	0.064	313.655	7.25	7.26	3.90	3.92	28.3	28.30	53.1	52.55	3.99	3.95	29.56	29.725	17	16
M3	13/09/2024	Mid-Ebb	Sunny	Low	12:23	1.8	M	0.90	2			7.26		3.93		28.3		52.0		3.91		29.89		14	

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.
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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	16/09/2024	Mid-Flood	Cloudy	Low	17:50	2.7	M	1.35	1	0.088	168.93	7.18	7.19	2.42	2.38	27.9	27.95	34.4	33.95	2.59	2.56	16.88	17.06	55	57
M1	16/09/2024	Mid-Flood	Cloudy	Low	17:51	2.7	M	1.35	2			7.19		2.34		28		33.5		2.52		17.24		58	
M2	16/09/2024	Mid-Flood	Cloudy	Low	18:18	2.5	M	1.25	1	0.087	183.378	7.12	7.12	2.51	2.54	27.9	27.90	34.3	34.35	2.58	2.59	17.19	17.24	55	30
M2	16/09/2024	Mid-Flood	Cloudy	Low	18:18	2.5	M	1.25	2			7.11		2.57		27.9		34.4		2.59		17.29		5	
M3	16/09/2024	Mid-Flood	Cloudy	Low	18:33	2.2	M	1.10	1	0.073	163.514	7.21	7.22	3.12	3.17	27.9	27.90	51.5	51.75	3.87	3.89	28.55	28.685	57	53
M3	16/09/2024	Mid-Flood	Cloudy	Low	18:33	2.2	M	1.10	2			7.22		3.21		27.9		52.0		3.91		28.82		48	
M1	16/09/2024	Mid-Ebb	Cloudy	Low	11:00	2.5	M	1.25	1	0.07	322.57	7.16	7.16	2.31	2.27	28.1	28.10	36.6	37.20	2.75	2.80	17.80	17.855	48	49
M1	16/09/2024	Mid-Ebb	Cloudy	Low	11:00	2.5	M	1.25	2			7.16		2.23		28.1		37.8		2.84		17.91		49	
M2	16/09/2024	Mid-Ebb	Cloudy	Low	10:36	2.4	M	1.20	1	0.062	310.61	7.13	7.13	2.55	2.56	28.1	28.10	37.1	37.35	2.79	2.81	18.90	18.87	54	30
M2	16/09/2024	Mid-Ebb	Cloudy	Low	10:36	2.4	M	1.20	2			7.13		2.57		28.1		37.6		2.83		18.84		5	
M3	16/09/2024	Mid-Ebb	Cloudy	Low	11:09	2.1	M	1.05	1	0.074	344.209	7.19	7.19	3.28	3.29	28.1	28.15	53.1	52.20	3.99	3.93	26.61	26.68	59	61
M3	16/09/2024	Mid-Ebb	Cloudy	Low	11:09	2.1	M	1.05	2			7.18		3.3		28.2		51.3		3.86		26.75		62	

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

For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	18/09/2024	Mid-Flood	Sunny	Low	16:12	2.5	M	1.25	1	0.089	169.592	7.09	7.10	2.48	2.45	29.8	29.85	38.3	38.45	2.88	2.89	19.11	19.15	5	6
M1	18/09/2024	Mid-Flood	Sunny	Low	16:13	2.5	M	1.25	2			7.1		2.41		29.9		38.6		2.9		19.19		7	
M2	18/09/2024	Mid-Flood	Sunny	Low	16:44	2.1	M	1.05	1	0.073	168.153	7.11	7.10	2.40	2.38	29.8	29.80	39.1	38.75	2.94	2.92	20.81	20.72	9	8
M2	18/09/2024	Mid-Flood	Sunny	Low	16:44	2.1	M	1.05	2			7.09		2.35		29.8		38.4		2.89		20.63		7	
M3	18/09/2024	Mid-Flood	Sunny	Low	17:01	1.8	M	0.90	1	0.084	169.626	7.15	7.16	3.66	3.62	29.8	29.85	50.9	51.05	3.83	3.84	28.55	28.385	11	12
M3	18/09/2024	Mid-Flood	Sunny	Low	17:01	1.8	M	0.90	2			7.16		3.57		29.9		51.2		3.85		28.22		13	
M1	18/09/2024	Mid-Ebb	Sunny	Low	12:33	2.4	M	1.20	1	0.06	307.493	7.08	7.09	2.48	2.48	30.0	30.05	37.5	38.05	2.82	2.86	20.10	20.21	12	11
M1	18/09/2024	Mid-Ebb	Sunny	Low	12:34	2.4	M	1.20	2			7.1		2.48		30.1		38.6		2.9		20.32		10	
M2	18/09/2024	Mid-Ebb	Sunny	Low	12:01	2.1	M	1.05	1	0.062	331.191	7.11	7.12	2.55	2.60	30.0	30.05	34.6	33.75	2.6	2.54	20.36	20.28	10	12
M2	18/09/2024	Mid-Ebb	Sunny	Low	12:01	2.1	M	1.05	2			7.13		2.64		30.1		32.9		2.47		20.2		13	
M3	18/09/2024	Mid-Ebb	Sunny	Low	12:49	1.9	M	0.95	1	0.074	331.23	7.17	7.18	3.99	4.02	30.0	30.00	41.1	40.15	3.09	3.02	29.57	29.44	4	6
M3	18/09/2024	Mid-Ebb	Sunny	Low	12:50	1.9	M	0.95	2			7.19		4.04		30.0		39.2		2.95		29.31		7	

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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	20/09/2024	Mid-Flood	Sunny	Low	9:36	2.4	M	1.20	1	0.083	190.045	7.09	7.08	3.66	3.66	29.1	29.10	38.3	38.65	2.88	2.91	22.58	22.41	40	49
M1	20/09/2024	Mid-Flood	Sunny	Low	9:36	2.4	M	1.20	2			7.07		3.65		29.1		39.0		2.94		22.24		57	
M2	20/09/2024	Mid-Flood	Sunny	Low	10:01	2.1	M	1.05	1	0.076	169.135	7.05	7.06	3.48	3.47	29.1	29.10	37.4	37.85	2.81	2.85	23.92	23.76	45	50
M2	20/09/2024	Mid-Flood	Sunny	Low	10:01	2.1	M	1.05	2			7.07		3.46		29.1		38.3		2.88		23.6		55	
M3	20/09/2024	Mid-Flood	Sunny	Low	10:22	2	M	1.00	1	0.095	182.366	7.11	7.11	4.45	4.49	29.1	29.10	49.1	48.95	3.69	3.68	31.87	31.68	49	50
M3	20/09/2024	Mid-Flood	Sunny	Low	10:22	2	M	1.00	2			7.1		4.53		29.1		48.8		3.67		31.49		50	
M1	20/09/2024	Mid-Ebb	Sunny	Low	13:55	2.5	M	1.25	1	0.059	333.269	7.04	7.04	3.32	3.30	29.4	29.40	36.8	36.70	2.77	2.76	20.69	20.675	47	55
M1	20/09/2024	Mid-Ebb	Sunny	Low	13:55	2.5	M	1.25	2			7.04		3.28		29.4		36.6		2.75		20.66		62	
M2	20/09/2024	Mid-Ebb	Sunny	Low	13:23	2.1	M	1.05	1	0.073	323.444	7.12	7.12	3.55	3.53	29.4	29.40	34.4	33.95	2.59	2.56	19.56	19.715	48	52
M2	20/09/2024	Mid-Ebb	Sunny	Low	13:23	2.1	M	1.05	2			7.11		3.5		29.4		33.5		2.52		19.87		56	
M3	20/09/2024	Mid-Ebb	Sunny	Low	14:10	1.9	M	0.95	1	0.072	335.864	7.15	7.15	3.95	3.98	29.4	29.45	51.3	50.85	3.86	3.83	30.83	30.745	45	46
M3	20/09/2024	Mid-Ebb	Sunny	Low	14:10	1.9	M	0.95	2			7.14		4.01		29.5		50.4		3.79		30.66		46	

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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	23/09/2024	Mid-Flood	Sunny	Low	10:26	2.6	M	1.30	1	0.078	173.991	7.17	7.17	2.88	2.92	29.6	29.60	39.8	39.10	2.99	2.94	16.55	16.41	56	53
M1	23/09/2024	Mid-Flood	Sunny	Low	10:26	2.6	M	1.30	2			7.17		2.95		29.6		38.4		2.89		16.27		50	
M2	23/09/2024	Mid-Flood	Sunny	Low	10:55	2.4	M	1.20	1	0.084	161.37	7.13	7.14	2.93	2.97	29.6	29.65	42.7	41.70	3.21	3.14	17.66	17.48	67	67
M2	23/09/2024	Mid-Flood	Sunny	Low	10:55	2.4	M	1.20	2			7.14		3.01		29.7		40.7		3.06		17.3		67	
M3	23/09/2024	Mid-Flood	Sunny	Low	11:03	2	M	1.00	1	0.085	183.213	7.16	7.17	3.45	3.48	29.6	29.65	56.7	56.95	4.26	4.28	28.46	28.42	64	55
M3	23/09/2024	Mid-Flood	Sunny	Low	11:03	2	M	1.00	2			7.18		3.5		29.7		57.2		4.3		28.38		45	
M1	23/09/2024	Mid-Ebb	Sunny	Low	16:11	2.5	M	1.25	1	0.059	344.803	7.14	7.15	2.83	2.87	29.4	29.45	38.7	38.30	2.91	2.88	17.68	17.51	74	71
M1	23/09/2024	Mid-Ebb	Sunny	Low	16:11	2.5	M	1.25	2			7.16		2.91		29.5		37.9		2.85		17.34		67	
M2	23/09/2024	Mid-Ebb	Sunny	Low	15:44	2.1	M	1.05	1	0.074	331.227	7.18	7.19	2.97	2.93	29.4	29.45	40.7	40.45	3.06	3.04	18.82	18.67	66	69
M2	23/09/2024	Mid-Ebb	Sunny	Low	15:44	2.1	M	1.05	2			7.19		2.89		29.5		40.2		3.02		18.52		71	
M3	23/09/2024	Mid-Ebb	Sunny	Low	16:28	2	M	1.00	1	0.07	306.296	7.16	7.16	3.44	3.42	29.4	29.40	55.5	55.15	4.17	4.15	29.21	29.07	53	53
M3	23/09/2024	Mid-Ebb	Sunny	Low	16:28	2	M	1.00	2			7.16		3.39		29.4		54.8		4.12		28.93		53	

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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	72.9	78.975

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	25/09/2024	Mid-Flood	Sunny	Low	16:40	2.7	M	1.35	1	0.079	178.257	7.11	7.11	2.49	2.46	29.7	29.75	39.8	39.40	2.99	2.96	19.97	19.775	43	37
M1	25/09/2024	Mid-Flood	Sunny	Low	16:41	2.7	M	1.35	2			7.11		2.42		29.8		39.0		2.93		19.58			
M2	25/09/2024	Mid-Flood	Sunny	Low	17:05	2.4	M	1.20	1	0.084	185.925	7.12	7.12	2.55	2.59	29.7	29.70	40.0	39.55	3.01	2.98	20.85	20.945	67	55
M2	25/09/2024	Mid-Flood	Sunny	Low	17:05	2.4	M	1.20	2			7.11		2.62		29.7		39.1		2.94		21.04			
M3	25/09/2024	Mid-Flood	Sunny	Low	17:22	2.1	M	1.05	1	0.088	187.473	7.16	7.17	2.93	2.89	29.7	29.75	52.8	52.80	3.97	3.97	31.64	31.54	43	39
M3	25/09/2024	Mid-Flood	Sunny	Low	17:22	2.1	M	1.05	2			7.18		2.84		29.8		52.8		3.97		31.44			
M1	25/09/2024	Mid-Ebb	Sunny	Low	9:26	2.5	M	1.25	1	0.061	318.014	7.08	7.08	2.44	2.47	30.0	30.05	37.9	38.35	2.85	2.89	21.59	21.49	51	53
M1	25/09/2024	Mid-Ebb	Sunny	Low	9:26	2.5	M	1.25	2			7.07		2.49		30.1		38.8		2.92		21.39			
M2	25/09/2024	Mid-Ebb	Sunny	Low	8:54	2.3	M	1.15	1	0.067	335.014	7.07	7.06	2.35	2.32	30.0	30.05	40.2	40.20	3.02	3.02	22.59	22.605	57	61
M2	25/09/2024	Mid-Ebb	Sunny	Low	8:54	2.3	M	1.15	2			7.05		2.29		30.1		40.2		3.02		22.62			
M3	25/09/2024	Mid-Ebb	Sunny	Low	9:40	2.1	M	1.05	1	0.073	342.479	7.15	7.16	3.15	3.13	30.0	30.00	54.7	54.30	4.11	4.08	32.92	32.94	109	96
M3	25/09/2024	Mid-Ebb	Sunny	Low	9:40	2.1	M	1.05	2			7.17		3.11		30.0		53.9		4.05		32.96			

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	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	93.9	101.725

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	27/09/2024	Mid-Flood	Cloudy	Low	18:00	2.5	M	1.25	1	0.089	179.428	7.14	7.15	3.49	3.48	28.4	28.45	35.4	35.90	2.66	2.70	16.69	16.585	17	15
M1	27/09/2024	Mid-Flood	Cloudy	Low	18:00	2.5	M	1.25	2			7.15		3.46		28.5		36.4		2.74		16.48		12	
M2	27/09/2024	Mid-Flood	Cloudy	Low	18:28	2.4	M	1.20	1	0.077	181.59	7.13	7.13	3.59	3.63	28.4	28.45	36.4	36.75	2.74	2.77	17.89	17.84	25	21
M2	27/09/2024	Mid-Flood	Cloudy	Low	18:28	2.4	M	1.20	2			7.12		3.67		28.5		37.1		2.79		17.79		17	
M3	27/09/2024	Mid-Flood	Cloudy	Low	18:49	2.2	M	1.10	1	0.094	170.777	7.14	7.15	4.38	4.35	28.4	28.40	48.0	48.45	3.61	3.65	31.55	31.57	13	13
M3	27/09/2024	Mid-Flood	Cloudy	Low	18:50	2.2	M	1.10	2			7.16		4.31		28.4		48.9		3.68		31.59		13	
M1	27/09/2024	Mid-Ebb	Cloudy	Low	8:59	2.5	M	1.25	1	0.063	326.075	7.2	7.21	3.55	3.53	28.2	28.25	34.3	34.35	2.58	2.59	17.69	17.475	11	10
M1	27/09/2024	Mid-Ebb	Cloudy	Low	9:00	2.5	M	1.25	2			7.22		3.5		28.3		34.4		2.59		17.26		9	
M2	27/09/2024	Mid-Ebb	Cloudy	Low	8:32	2.3	M	1.15	1	0.076	339.021	7.13	7.13	3.41	3.43	28.2	28.20	35.4	35.05	2.66	2.64	18.91	18.83	11	13
M2	27/09/2024	Mid-Ebb	Cloudy	Low	8:32	2.3	M	1.15	2			7.12		3.44		28.2		34.7		2.61		18.75		14	
M3	27/09/2024	Mid-Ebb	Cloudy	Low	9:12	2.2	M	1.10	1	0.079	315.38	7.14	7.13	4.79	4.79	28.2	28.25	49.6	50.15	3.73	3.77	30.84	30.765	29	30
M3	27/09/2024	Mid-Ebb	Cloudy	Low	9:12	2.2	M	1.10	2			7.12		4.78		28.3		50.7		3.81		30.69		30	

Remark

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

For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	30/09/2024	Mid-Flood	Sunny	Low	17:32	2.5	M	1.25	1	0.085	168.654	7.2	7.19	2.96	2.94	29.4	29.40	37.0	37.60	2.78	2.83	24.55	24.57	14	13
M1	30/09/2024	Mid-Flood	Sunny	Low	17:32	2.5	M	1.25	2			7.18		2.91		29.4		38.2		2.87		24.59		11	
M2	30/09/2024	Mid-Flood	Sunny	Low	17:58	2.2	M	1.10	1	0.092	173.053	7.18	7.19	3.04	3.01	29.4	29.40	35.9	35.50	2.7	2.67	25.59	25.63	14	15
M2	30/09/2024	Mid-Flood	Sunny	Low	17:58	2.2	M	1.10	2			7.2		2.98		29.4		35.1		2.64		25.67		16	
M3	30/09/2024	Mid-Flood	Sunny	Low	18:16	2	M	1.00	1	0.087	163.167	7.21	7.21	3.68	3.69	29.4	29.45	48.4	48.00	3.64	3.61	31.86	32.02	10	12
M3	30/09/2024	Mid-Flood	Sunny	Low	18:16	2	M	1.00	2			7.2		3.69		29.5		47.6		3.58		32.18		14	
M1	30/09/2024	Mid-Ebb	Sunny	Low	11:22	2.5	M	1.25	1	0.063	332.588	7.19	7.18	2.89	2.86	29.7	29.75	33.6	34.30	2.53	2.58	22.82	22.755	9	12
M1	30/09/2024	Mid-Ebb	Sunny	Low	11:22	2.5	M	1.25	2			7.17		2.83		29.8		35.0		2.63		22.69		15	
M2	30/09/2024	Mid-Ebb	Sunny	Low	10:50	2.1	M	1.05	1	0.076	327.061	7.21	7.20	2.98	3.02	29.7	29.70	34.7	34.85	2.61	2.62	21.76	21.59	14	12
M2	30/09/2024	Mid-Ebb	Sunny	Low	10:50	2.1	M	1.05	2			7.19		3.06		29.7		35.0		2.63		21.42		10	
M3	30/09/2024	Mid-Ebb	Sunny	Low	11:38	1.9	M	0.95	1	0.063	332.948	7.23	7.24	3.79	3.79	29.7	29.75	50.9	51.60	3.83	3.88	30.84	30.84	17	18
M3	30/09/2024	Mid-Ebb	Sunny	Low	11:38	1.9	M	0.95	2			7.25		3.79		29.8		52.3		3.93		30.84		18	

Remark

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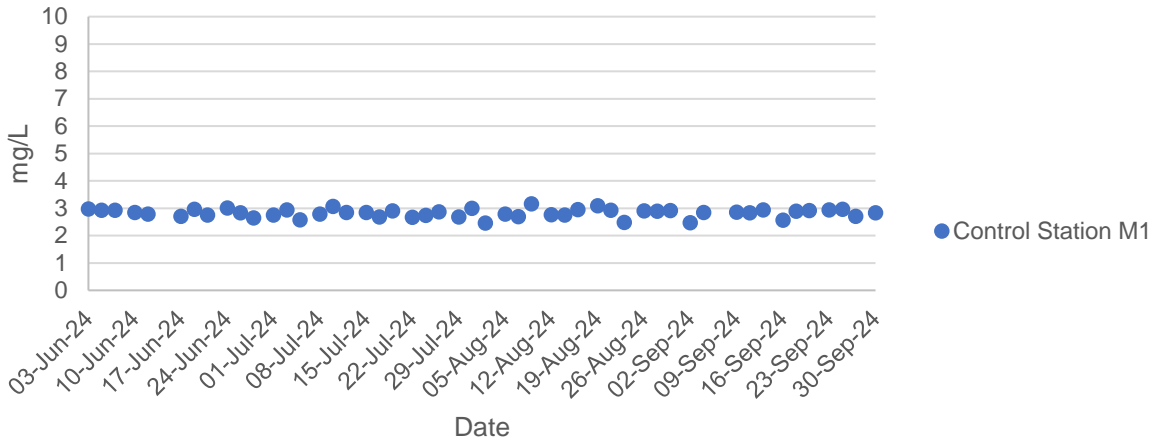
For Flood Tide

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

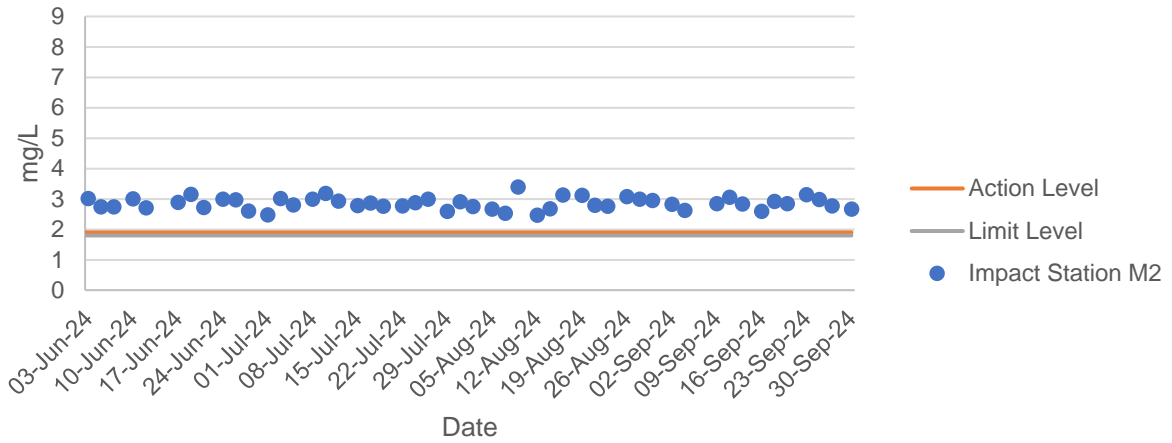
For Ebb Tide

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

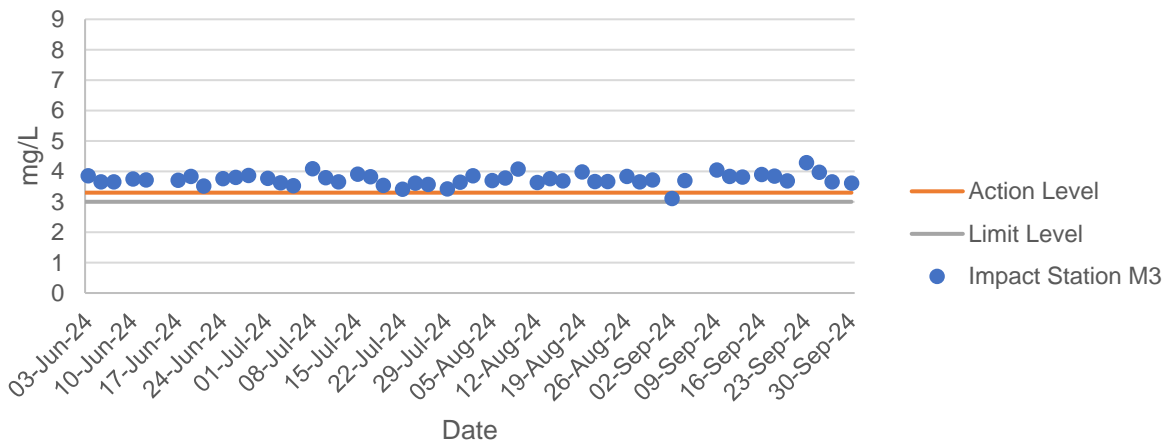
Dissolved Oxygen at Mid-Flood Tide



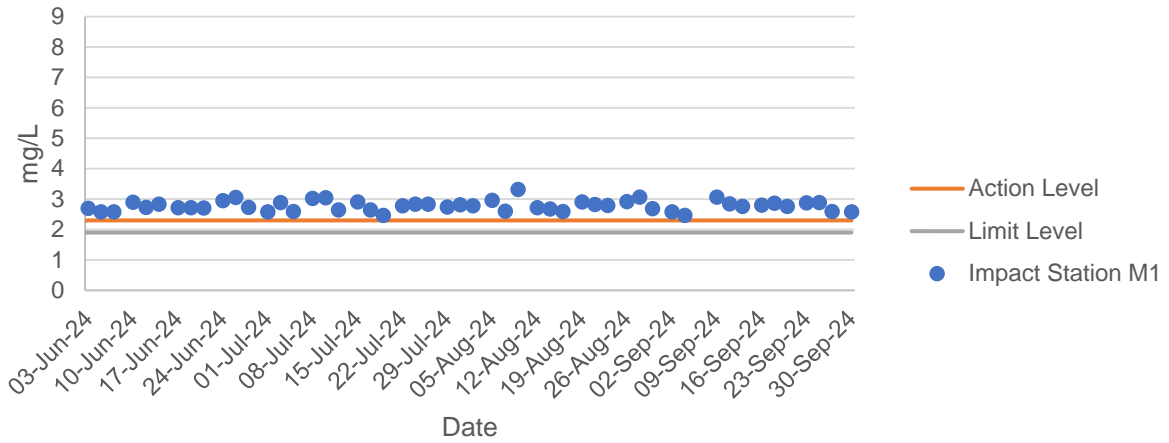
Dissolved Oxygen at Mid-Flood Tide



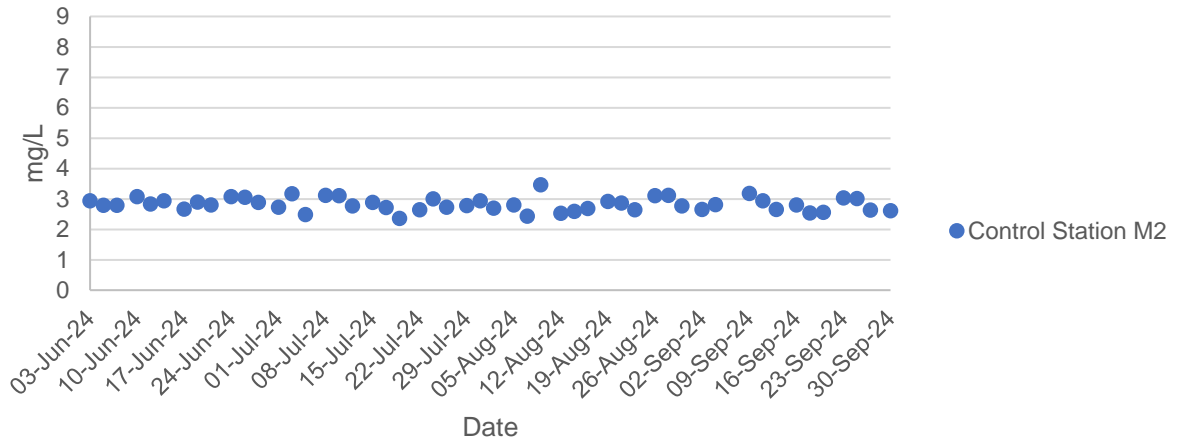
Dissolved Oxygen at Mid-Flood Tide



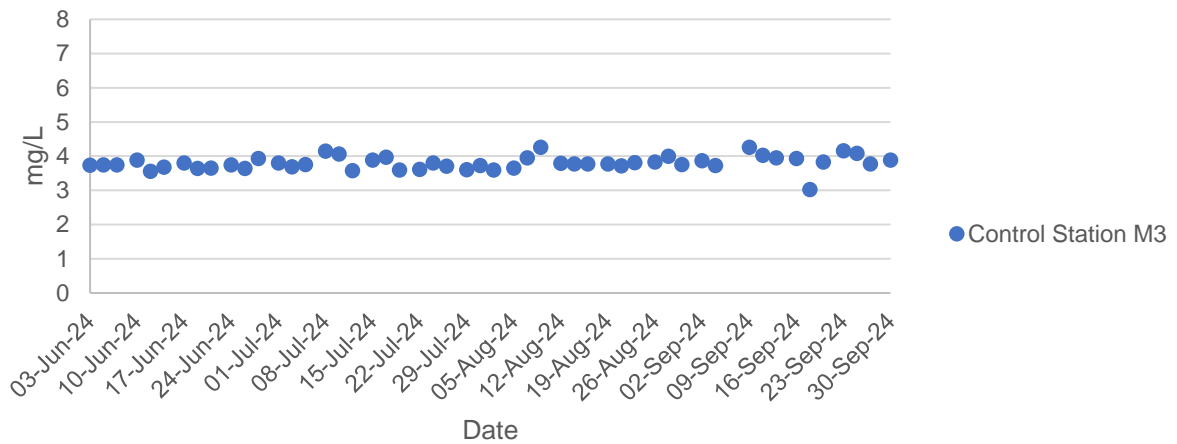
Dissolved Oxygen at Mid-Ebb Tide



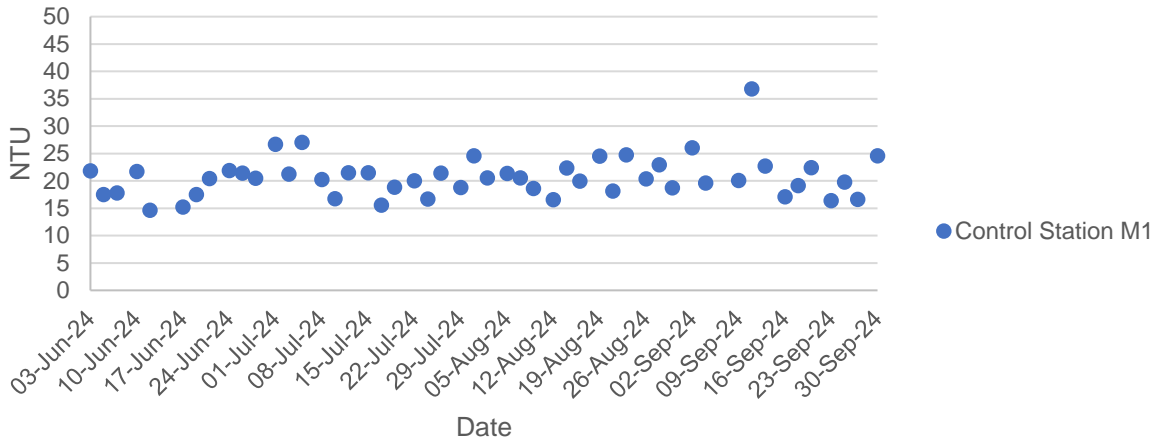
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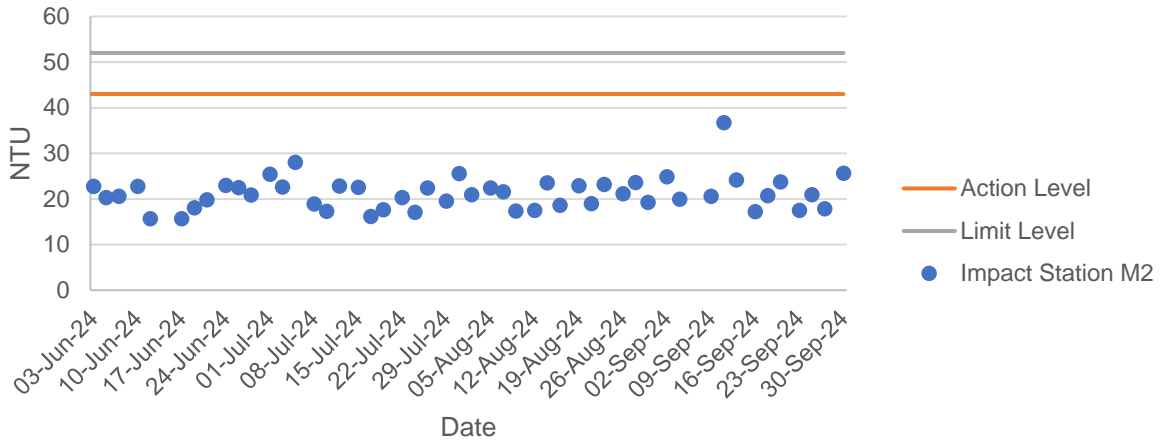
Dissolved Oxygen at Mid-Ebb Tide



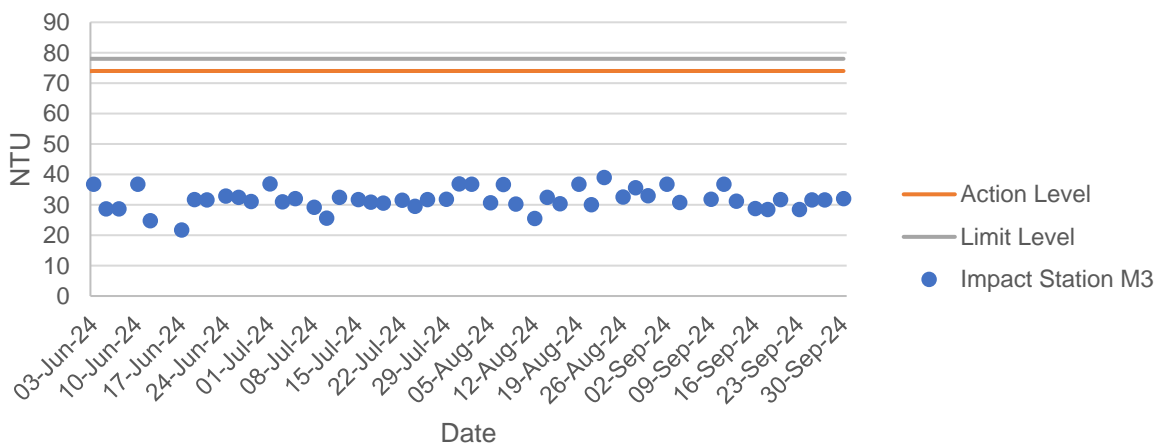
Turbidity at Mid-Flood Tide



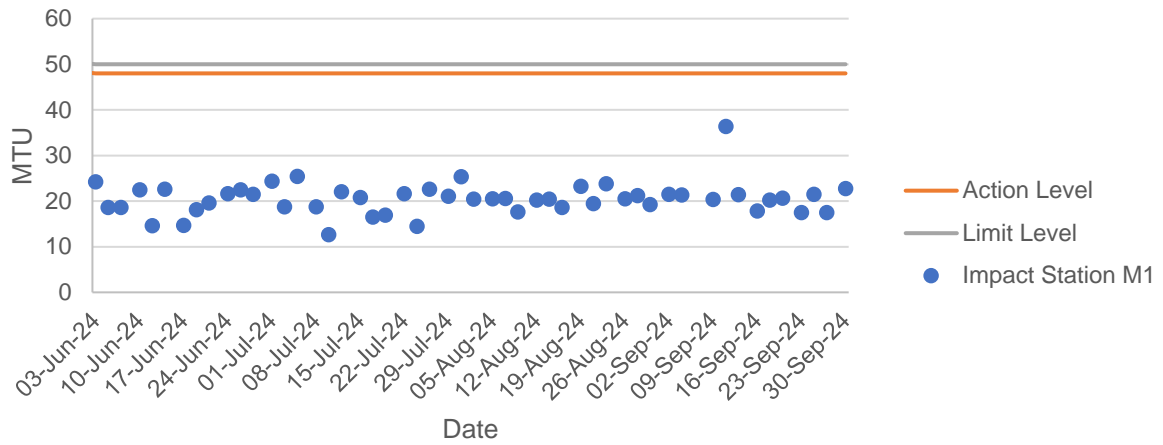
Turbidity at Mid-Flood Tide



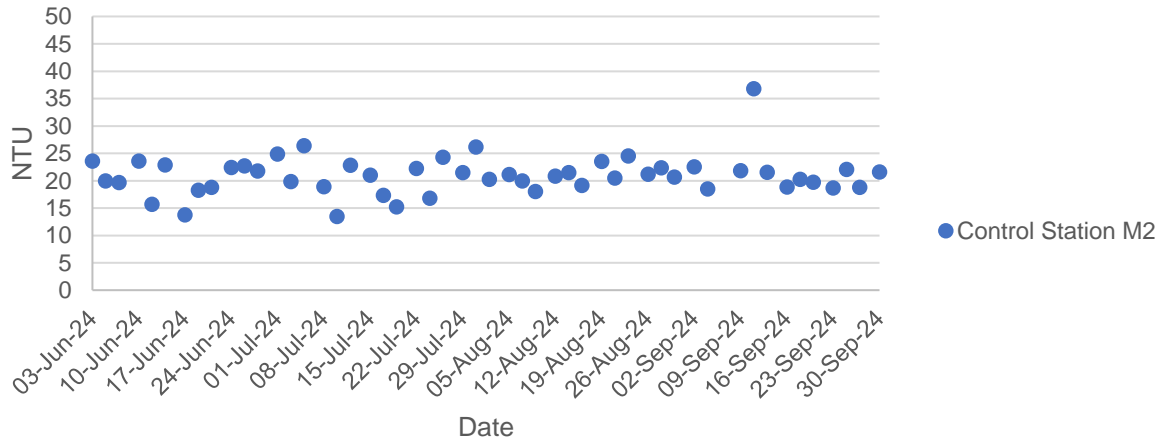
Turbidity at Mid-Flood Tide



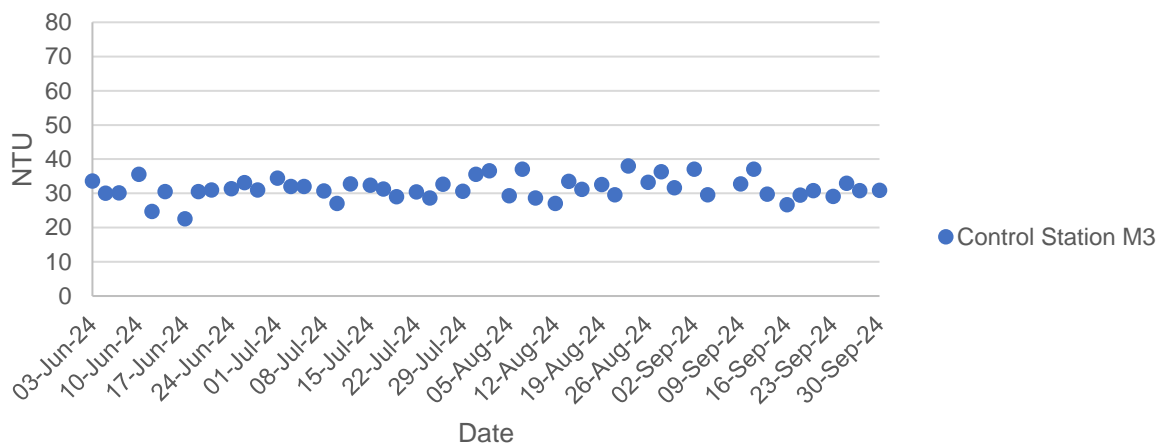
Turbidity at Mid-Ebb Tide



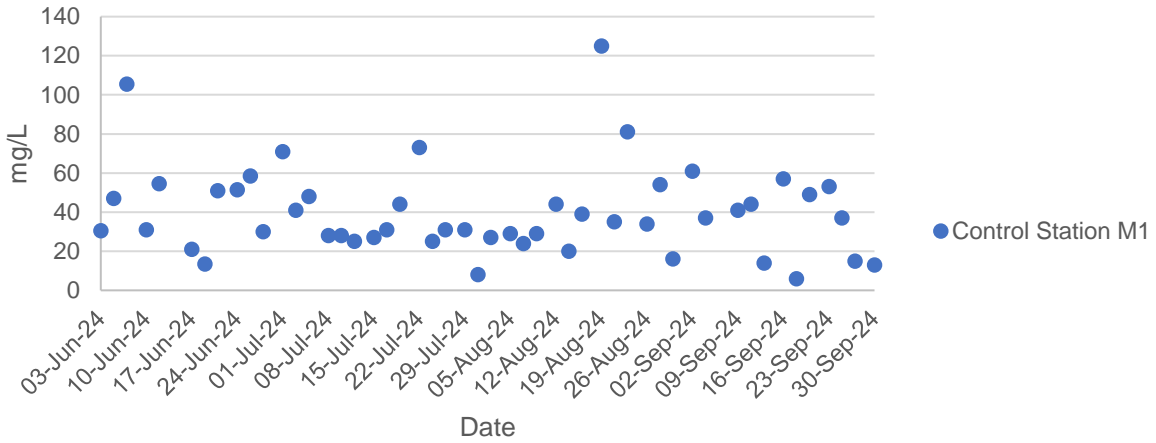
Turbidity at Mid-Ebb Tide



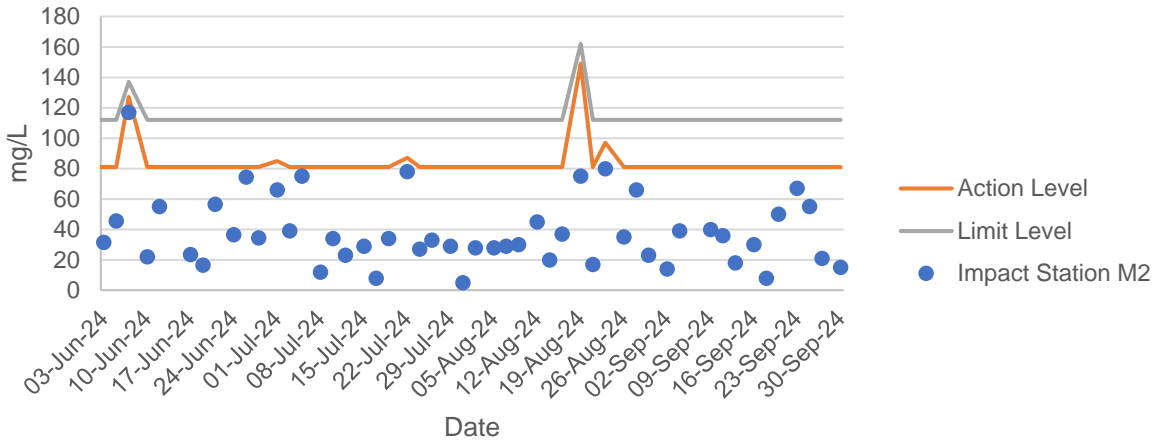
Turbidity at Mid-Ebb Tide



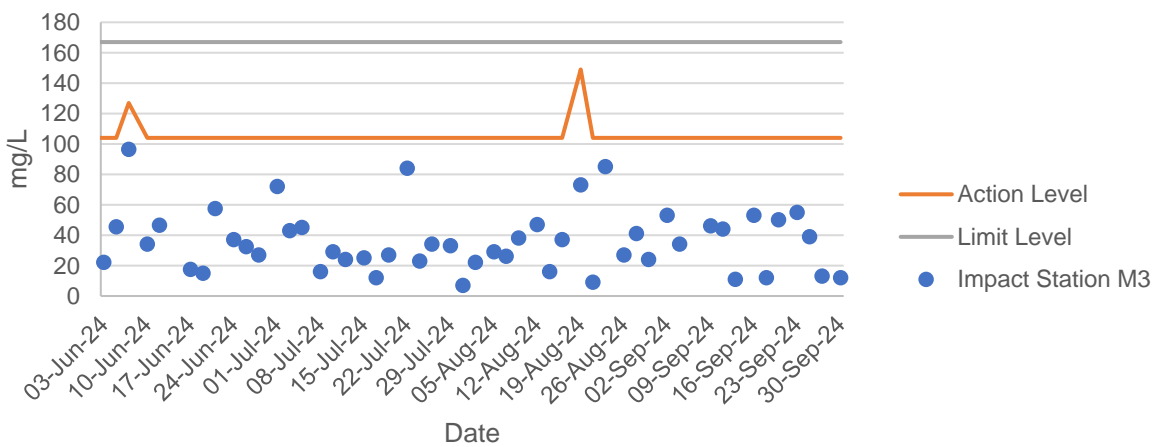
Total Suspended Solids at Mid-Flood Tide



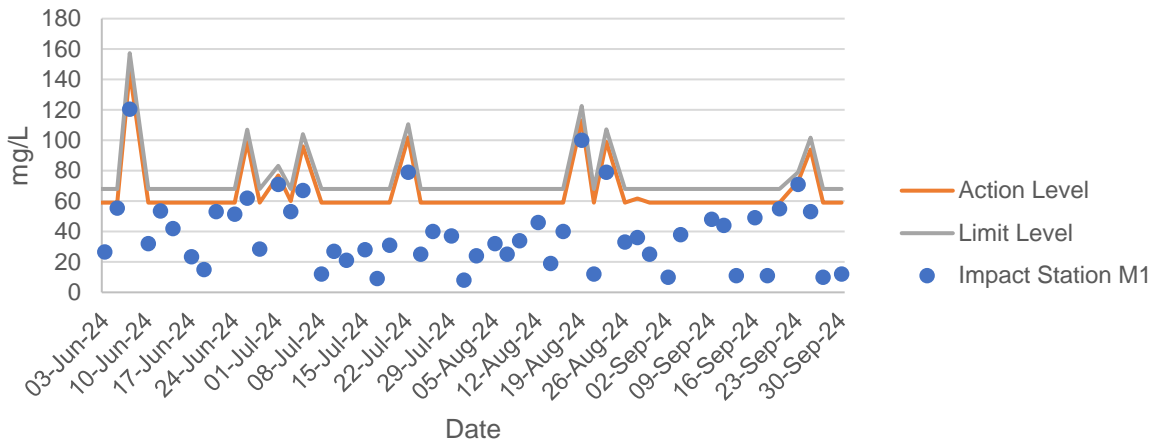
Total Suspended Solids at Mid-Flood Tide



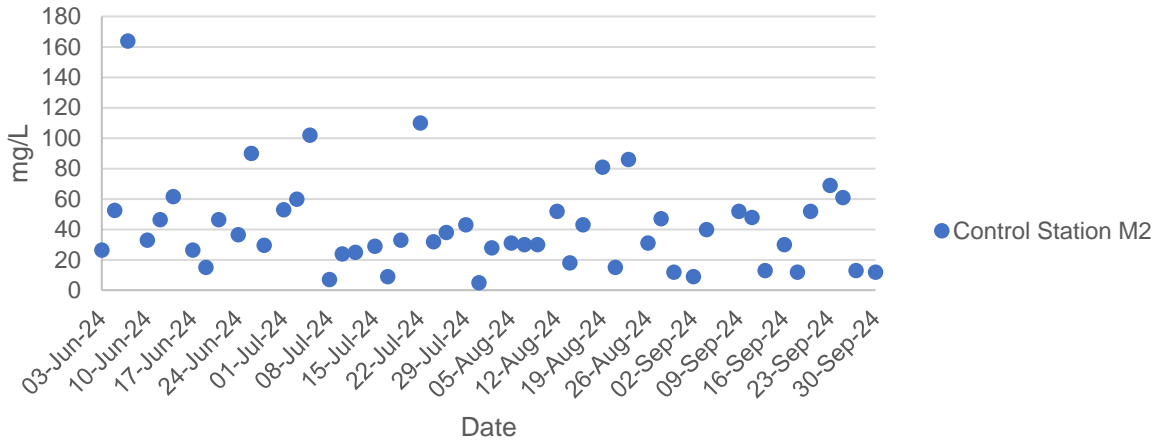
Total Suspended Solids at Mid-Flood Tide



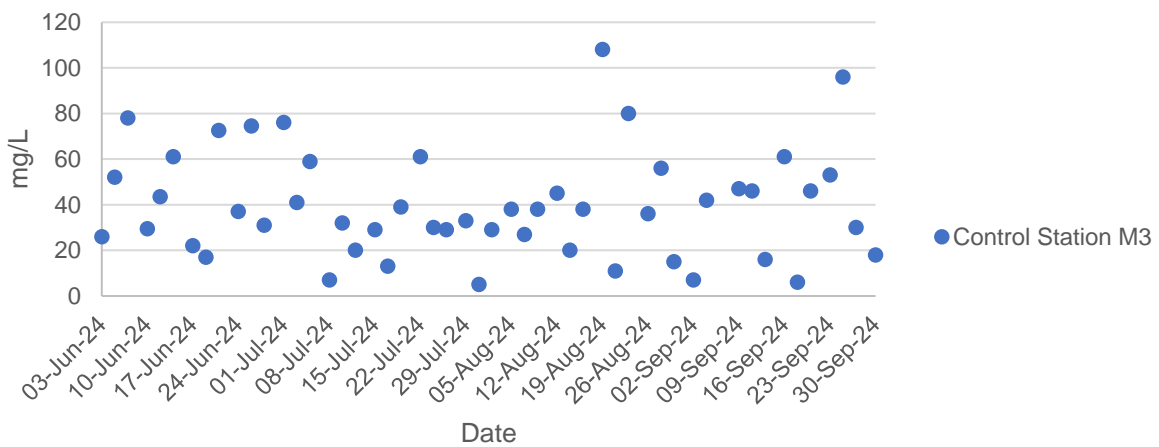
Total Suspended Solids at Mid-Ebb Tide



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 (27 and 30 September 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
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW1	Barn Swallow	<i>Hirundo rustica</i>	3	Abundant	PM,SV	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW1	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW2	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW2	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW3	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW3	Barn Swallow	<i>Hirundo rustica</i>	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW3	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW3	Crested Myna	<i>Acridotheres crisatellus</i>	2	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW4	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW4	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW4	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW4	Rock Dove	<i>Columba livia</i>	4	Common	R	-	-	-	-	-	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW4	Red Turtle Dove	<i>Streptopelia tranquebarica</i>	1	Uncommon	PM	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW4	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW4	House Swift	<i>Apus nipalensis</i>	3	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW4	Pied Kingfisher	<i>Ceryle rudis</i>	1	Uncommon	R	-	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW4	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW4	Black-collared Starling	<i>Gracupica nigricollis</i>	10	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW4	White-shouldered Starling	<i>Sturnia sinensis</i>	7	Common	M,W,Su	(LC)	-	-	-	LC	Y	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW4	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW5	Little Grebe	<i>Tachybaptus ruficollis</i>	2	Common	R	LC	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW5	Great Egret	<i>Ardea alba</i>	5	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (27 and 30 September 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
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW5	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW5	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW5	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	4	Common	-	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW5	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW5	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW5	Asian Koel	<i>Eudynamis scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW5	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW5	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW5	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW5	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW5	Crested Myna	<i>Acridotheres cristatellus</i>	40	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW5	Common Myna	<i>Acridotheres tristis</i>	5	Uncommon	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW5	Black-collared Starling	<i>Gracupica nigricollis</i>	20	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW5	Eurasian Tree Sparrow	<i>Passer montanus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW5	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW6	Chinese Pond Heron	<i>Ardeola bacchus</i>	7	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW6	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW6	Azure-winged Magpie	<i>Cyanopica cyanus</i>	3	Introduced	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW6	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW6	Black-collared Starling	<i>Gracupica nigricollis</i>	8	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW6	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW7	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW7	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW7	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (27 and 30 September 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
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW7	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW7	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW7	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW7	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW7	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Point Count	FLW7	Scaly-breasted Munia	<i>Lonchura punctulata</i>	4	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Transect	FLW	Grey Heron	<i>Ardea cinerea</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	FLW	Transect	FLW	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	FLW	Transect	FLW	Besra	<i>Accipiter virgatus</i>	1	Scarce	R	-	Class II	-	LC	LC	Y	N
27/09/2024	Daytime	Wet Season	FLW	Transect	FLW	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	FLW	Transect	FLW	House Swift	<i>Apus nipalensis</i>	4	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Transect	FLW	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	-	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	FLW	Transect	FLW	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Transect	FLW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	5	Introduced	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Transect	FLW	Japanese Tit	<i>Parus minor</i>	3	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Transect	FLW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	1	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Transect	FLW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Transect	FLW	Crested Myna	<i>Acridotheres crisatellus</i>	24	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	20	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	NSW1	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	NSW1	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	NSW1	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	NSW1	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y

Appendix F.1 Ecological Bird Monitoring Result (27 and 30 September 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
27/09/2024	Daytime	Wet Season	NSW	Point Count	NSW1	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	NSW1	Asian Koel	<i>Eudynamis scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	NSW1	Common Kingfisher	<i>Alcedo atthis</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	NSW1	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	NSW1	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	NSW1	Plain Prinia	<i>Prinia inornata</i>	3	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	NSW1	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	NSW1	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	NSW1	Eurasian Tree Sparrow	<i>Passer montanus</i>	11	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	5	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Little Egret	<i>Egretta garzetta</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW1	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	3	Common	R	-	-	-	LC	LC	N	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Black-winged Stilt	<i>Himantopus himantopus</i>	8	Common	PM	RC	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Common Greenshank	<i>Tringa nebularia</i>	3	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Swinhoe's White-eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (27 and 30 September 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
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW2	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW2	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW2	Little Egret	<i>Egretta garzetta</i>	8	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW2	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW2	Black-winged Stilt	<i>Himantopus himantopus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW2	Common Redshank	<i>Tringa totanus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW2	Common Greenshank	<i>Tringa nebularia</i>	3	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW2	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW2	Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>	2	Common	R	-	-	-	-	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW2	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW2	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW2	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW2	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW2	Crested Myna	<i>Acridotheres crisatellus</i>	15	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW2	White Wagtail	<i>Motacilla alba</i>	4	Common	PM,WV	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	10	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Grey Heron	<i>Ardea cinerea</i>	5	Common	WV	PRC	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Great Egret	<i>Ardea alba</i>	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Little Egret	<i>Egretta garzetta</i>	8	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Black-winged Stilt	<i>Himantopus himantopus</i>	8	Common	PM	RC	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Common Sandpiper	<i>Actitis hypoleucos</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Common Redshank	<i>Tringa totanus</i>	5	Common	PM	RC	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Common Greenshank	<i>Tringa nebularia</i>	3	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y

Appendix F.1 Ecological Bird Monitoring Result (27 and 30 September 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
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	2	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Swinhoe's White-eye	<i>Zosterops simplex</i>	3	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Point Count	SP/NSW3	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Transect	NSW	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	NSW	Transect	NSW	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
27/09/2024	Daytime	Wet Season	NSW	Transect	NSW	Japanese Tit	<i>Parus minor</i>	3	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Transect	NSW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Transect	NSW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Transect	NSW	Plain Prinia	<i>Prinia inornata</i>	5	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Transect	NSW	Common Tailorbird	<i>Orthotomus sutorius</i>	2	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Transect	NSW	Swinhoe's White-eye	<i>Zosterops simplex</i>	3	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Transect	NSW	Oriental Magpie Robin	<i>Copsychus sularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Transect	NSW	Eurasian Tree Sparrow	<i>Passer montanus</i>	8	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	NSW	Transect	NSW	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	YLIE-CW	Transect	YLIE-CW	Chinese Pond Heron	<i>Ardeola bacchus</i>	14	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	YLIE-CW	Transect	YLIE-CW	Little Egret	<i>Egretta garzetta</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	YLIE-CW	Transect	YLIE-CW	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	3	Common	R	-	-	-	LC	LC	N	Y
27/09/2024	Daytime	Wet Season	YLIE-CW	Transect	YLIE-CW	Black-winged Stilt	<i>Himantopus himantopus</i>	17	Common	PM	RC	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	YLIE-CW	Transect	YLIE-CW	Common Sandpiper	<i>Actitis hypoleucos</i>	4	Common	PM,WV	-	-	-	LC	LC	N	Y
27/09/2024	Daytime	Wet Season	YLIE-CW	Transect	YLIE-CW	Common Greenshank	<i>Tringa nebularia</i>	8	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
27/09/2024	Daytime	Wet Season	YLIE-CW	Transect	YLIE-CW	Spotted Dove	<i>Spilopelia chinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (27 and 30 September 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
27/09/2024	Daytime	Wet Season	YLIE-CW	Transect	YLIE-CW	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	YLIE-CW	Transect	YLIE-CW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	5	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	YLIE-CW	Transect	YLIE-CW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	YLIE-CW	Transect	YLIE-CW	Plain Prinia	<i>Prinia inornata</i>	5	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	YLIE-CW	Transect	YLIE-CW	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	YLIE-CW	Transect	YLIE-CW	Swinhoe's White-eye	<i>Zosterops simplex</i>	3	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	YLIE-CW	Transect	YLIE-CW	Crested Myna	<i>Acridotheres crisatellus</i>	5	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	YLIE-CW	Transect	YLIE-CW	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	YLIE-CW	Transect	YLIE-CW	Oriental Magpie Robin	<i>Copsychus sauralis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
27/09/2024	Daytime	Wet Season	YLIE-CW	Transect	YLIE-CW	Scaly-breasted Munia	<i>Lonchura punctulata</i>	6	Common	R	-	-	-	LC	LC	N	N
30/09/2024	Night-time	Wet Season	FLW	Point Count	FLW4	Savanna Nightjar	<i>Caprimulgus affinis</i>	4	Uncommon	R,PM	-	-	-	DD	-	N	N
30/09/2024	Night-time	Wet Season	FLW	Point Count	FLW5	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	2	Common	R,WV	-	-	-	LC	LC	N	Y
30/09/2024	Night-time	Wet Season	NSW	Point Count	SP/NSW2	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	3	Common	R,WV	-	-	-	LC	LC	N	Y
30/09/2024	Night-time	Wet Season	NSW	Point Count	SP/NSW3	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	2	Common	R,WV	-	-	-	LC	LC	N	Y

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 (27 and 30 September 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Tachybaptus ruficollis</i>	2	0.0050	-5.2983	-0.0265	0.1404
<i>Nycticorax nycticorax</i>	7	0.0175	-4.0456	-0.0708	0.2864
<i>Ardeola bacchus</i>	34	0.0850	-2.4651	-0.2095	0.5165
<i>Ardea cinerea</i>	6	0.0150	-4.1997	-0.0630	0.2646
<i>Ardea alba</i>	11	0.0275	-3.5936	-0.0988	0.3551
<i>Egretta garzetta</i>	23	0.0575	-2.8560	-0.1642	0.4690
<i>Milvus migrans</i>	3	0.0075	-4.8929	-0.0367	0.1796
<i>Amauromis phoenicurus</i>	6	0.0150	-4.1997	-0.0630	0.2646
<i>Himantopus himantopus</i>	20	0.0500	-2.9957	-0.1498	0.4487
<i>Actitis hypoleucos</i>	4	0.0100	-4.6052	-0.0461	0.2121
<i>Tringa totanus</i>	7	0.0175	-4.0456	-0.0708	0.2864
<i>Tringa nebularia</i>	9	0.0225	-3.7942	-0.0854	0.3239
<i>Columba livia</i>	4	0.0100	-4.6052	-0.0461	0.2121
<i>Streptopelia decaocto</i>	6	0.0150	-4.1997	-0.0630	0.2646
<i>Streptopelia tranquebarica</i>	1	0.0025	-5.9915	-0.0150	0.0897
<i>Spilopelia chinensis</i>	15	0.0375	-3.2834	-0.1231	0.4043
<i>Centropus sinensis</i>	2	0.0050	-5.2983	-0.0265	0.1404
<i>Eudynamis scolopaceus</i>	2	0.0050	-5.2983	-0.0265	0.1404
<i>Caprimulgus affinis</i>	4	0.0100	-4.6052	-0.0461	0.2121
<i>Apus nipalensis</i>	3	0.0075	-4.8929	-0.0367	0.1796
<i>Alcedo atthis</i>	3	0.0075	-4.8929	-0.0367	0.1796
<i>Ceryle rudis</i>	1	0.0025	-5.9915	-0.0150	0.0897
<i>Lanius schach</i>	2	0.0050	-5.2983	-0.0265	0.1404
<i>Cyanopica cyanus</i>	3	0.0075	-4.8929	-0.0367	0.1796
<i>Urocissa erythroryncha</i>	2	0.0050	-5.2983	-0.0265	0.1404
<i>Parus minor</i>	4	0.0100	-4.6052	-0.0461	0.2121
<i>Pycnonotus jocosus</i>	10	0.0250	-3.6889	-0.0922	0.3402
<i>Pycnonotus sinensis</i>	14	0.0350	-3.3524	-0.1173	0.3934
<i>Hirundo rustica</i>	5	0.0125	-4.3820	-0.0548	0.2400
<i>Prinia flaviventris</i>	4	0.0100	-4.6052	-0.0461	0.2121
<i>Prinia inornata</i>	13	0.0325	-3.4265	-0.1114	0.3816
<i>Orthotomus sutorius</i>	3	0.0075	-4.8929	-0.0367	0.1796
<i>Pterorhinus perspicillatus</i>	13	0.0325	-3.4265	-0.1114	0.3816
<i>Zosterops simplex</i>	5	0.0125	-4.3820	-0.0548	0.2400
<i>Acridotheres cristatellus</i>	57	0.1425	-1.9484	-0.2776	0.5410
<i>Acridotheres tristis</i>	5	0.0125	-4.3820	-0.0548	0.2400
<i>Gracupica nigricollis</i>	50	0.1250	-2.0794	-0.2599	0.5405
<i>Sturnia sinensis</i>	7	0.0175	-4.0456	-0.0708	0.2864
<i>Passer montanus</i>	15	0.0375	-3.2834	-0.1231	0.4043
<i>Lonchura punctulata</i>	4	0.0100	-4.6052	-0.0461	0.2121
<i>Motacilla alba</i>	11	0.0275	-3.5936	-0.0988	0.3551
Total	400	1	-172.2388	-3.2106	11.2797
Richness	41				
SS	11.2797				
SQ	10.3078				
H	3.2106				
S ² H	0.002555				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (27 and 30 September 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Tachybaptus ruficollis</i>	2	0.0152	-4.1897	-0.0635	0.2660
<i>Nycticorax nycticorax</i>	7	0.0530	-2.9369	-0.1557	0.4574
<i>Ardeola bacchus</i>	34	0.2576	-1.3564	-0.3494	0.4739
<i>Ardea cinerea</i>	6	0.0455	-3.0910	-0.1405	0.4343
<i>Ardea alba</i>	11	0.0833	-2.4849	-0.2071	0.5146
<i>Egretta garzetta</i>	23	0.1742	-1.7473	-0.3045	0.5320
<i>Milvus migrans</i>	3	0.0227	-3.7842	-0.0860	0.3255
<i>Himantopus himantopus</i>	20	0.1515	-1.8871	-0.2859	0.5396
<i>Tringa totanus</i>	7	0.0530	-2.9369	-0.1557	0.4574
<i>Tringa nebularia</i>	9	0.0682	-2.6856	-0.1831	0.4917
<i>Centropus sinensis</i>	2	0.0152	-4.1897	-0.0635	0.2660
<i>Ceryle rudis</i>	1	0.0076	-4.8828	-0.0370	0.1806
<i>Sturnia sinensis</i>	7	0.0530	-2.9369	-0.1557	0.4574
Total	132	1	-39.1093	-2.1876	5.3963
Richness	13				
SS	5.3963				
SQ	4.7857				
H	2.1876				
S ² H	0.00497				

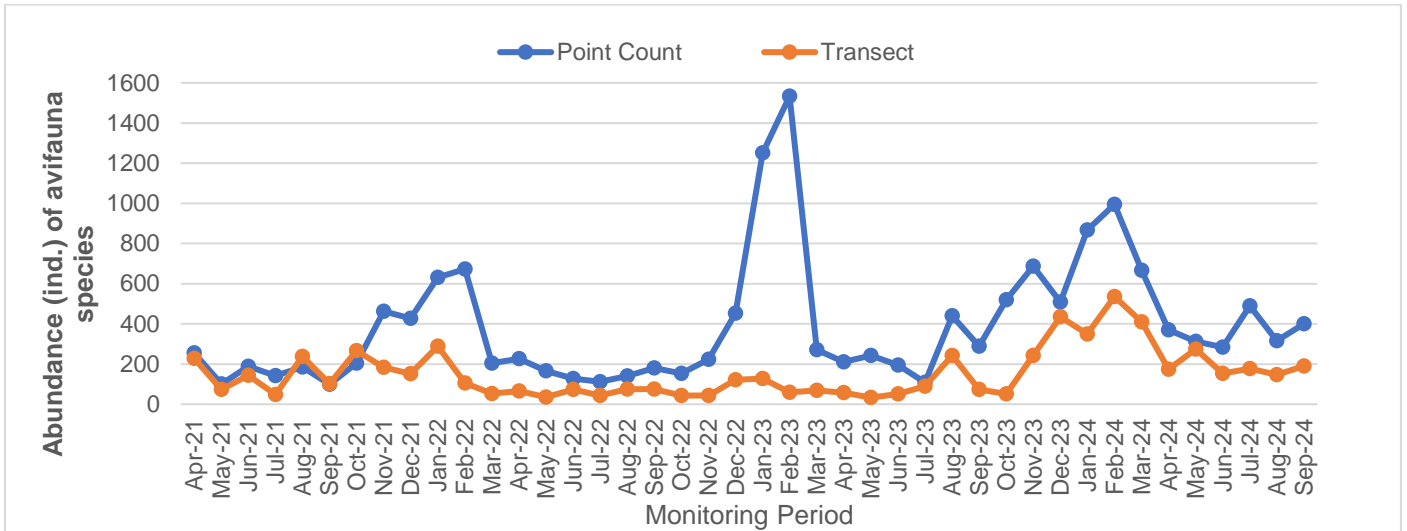
Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method) in All Habitats (27 and 30 September 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Ardeola bacchus</i>	14	0.0737	-2.6080	-0.1922	0.5012
<i>Ardea cinerea</i>	2	0.0105	-4.5539	-0.0479	0.2183
<i>Ardea alba</i>	2	0.0105	-4.5539	-0.0479	0.2183
<i>Egretta garzetta</i>	8	0.0421	-3.1676	-0.1334	0.4225
<i>Accipiter virgatus</i>	1	0.0053	-5.2470	-0.0276	0.1449
<i>Milvus migrans</i>	1	0.0053	-5.2470	-0.0276	0.1449
<i>Amaurornis phoenicurus</i>	4	0.0211	-3.8607	-0.0813	0.3138
<i>Himantopus himantopus</i>	17	0.0895	-2.4138	-0.2160	0.5213
<i>Actitis hypoleucos</i>	4	0.0211	-3.8607	-0.0813	0.3138
<i>Tringa nebularia</i>	8	0.0421	-3.1676	-0.1334	0.4225
<i>Spilopelia chinensis</i>	3	0.0158	-4.1484	-0.0655	0.2717
<i>Apus nipalensis</i>	4	0.0211	-3.8607	-0.0813	0.3138
<i>Halcyon smyrnensis</i>	1	0.0053	-5.2470	-0.0276	0.1449
<i>Lanius schach</i>	1	0.0053	-5.2470	-0.0276	0.1449
<i>Cyanopica cyanus</i>	5	0.0263	-3.6376	-0.0957	0.3482
<i>Parus minor</i>	8	0.0421	-3.1676	-0.1334	0.4225
<i>Pycnonotus jocosus</i>	10	0.0526	-2.9444	-0.1550	0.4563
<i>Pycnonotus sinensis</i>	5	0.0263	-3.6376	-0.0957	0.3482
<i>Prinia inornata</i>	12	0.0632	-2.7621	-0.1744	0.4819
<i>Orthotomus sutorius</i>	3	0.0158	-4.1484	-0.0655	0.2717
<i>Zosterops simplex</i>	6	0.0316	-3.4553	-0.1091	0.3770
<i>Acridotheres cristatellus</i>	29	0.1526	-1.8797	-0.2869	0.5393
<i>Gracupica nigricollis</i>	23	0.1211	-2.1115	-0.2556	0.5397
<i>Copsychus saularis</i>	3	0.0158	-4.1484	-0.0655	0.2717
<i>Passer montanus</i>	8	0.0421	-3.1676	-0.1334	0.4225
<i>Lonchura punctulata</i>	6	0.0316	-3.4553	-0.1091	0.3770
<i>Motacilla alba</i>	2	0.0105	-4.5539	-0.0479	0.2183
Total	190	1	-100.2528	-2.9178	9.1710
Richness	27				
SS	9.1710				
SQ	8.5138				
H	2.9178				
S ² H	0.003819				

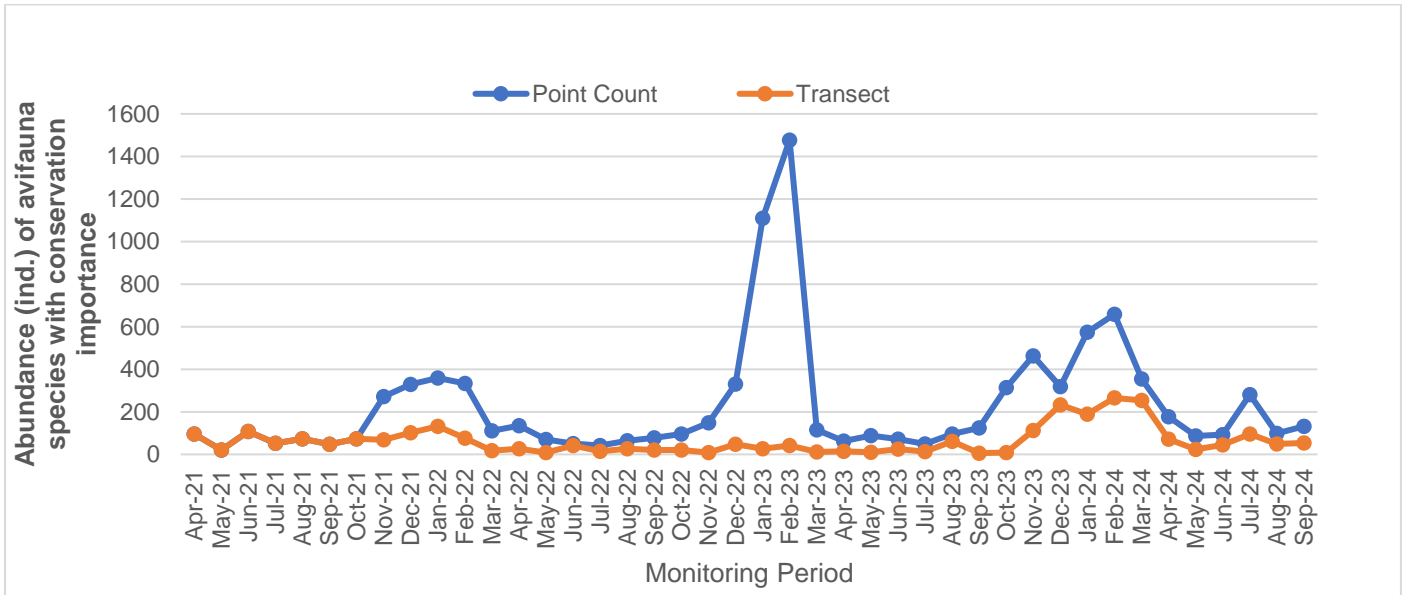
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (27 and 30 September 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Ardeola bacchus</i>	14	0.2593	-1.3499	-0.3500	0.4724
<i>Ardea cinerea</i>	2	0.0370	-3.2958	-0.1221	0.4023
<i>Ardea alba</i>	2	0.0370	-3.2958	-0.1221	0.4023
<i>Egretta garzetta</i>	8	0.1481	-1.9095	-0.2829	0.5402
<i>Accipiter virgatus</i>	1	0.0185	-3.9890	-0.0739	0.2947
<i>Milvus migrans</i>	1	0.0185	-3.9890	-0.0739	0.2947
<i>Himantopus himantopus</i>	17	0.3148	-1.1558	-0.3639	0.4205
<i>Tringa nebularia</i>	8	0.1481	-1.9095	-0.2829	0.5402
<i>Halcyon smyrnensis</i>	1	0.0185	-3.9890	-0.0739	0.2947
Total	54	1.0000	-24.8834	-1.7454	3.6620
Richness	9				
SS	3.6620				
SQ	3.0463				
H	1.7454				
S ² H	0.01277				

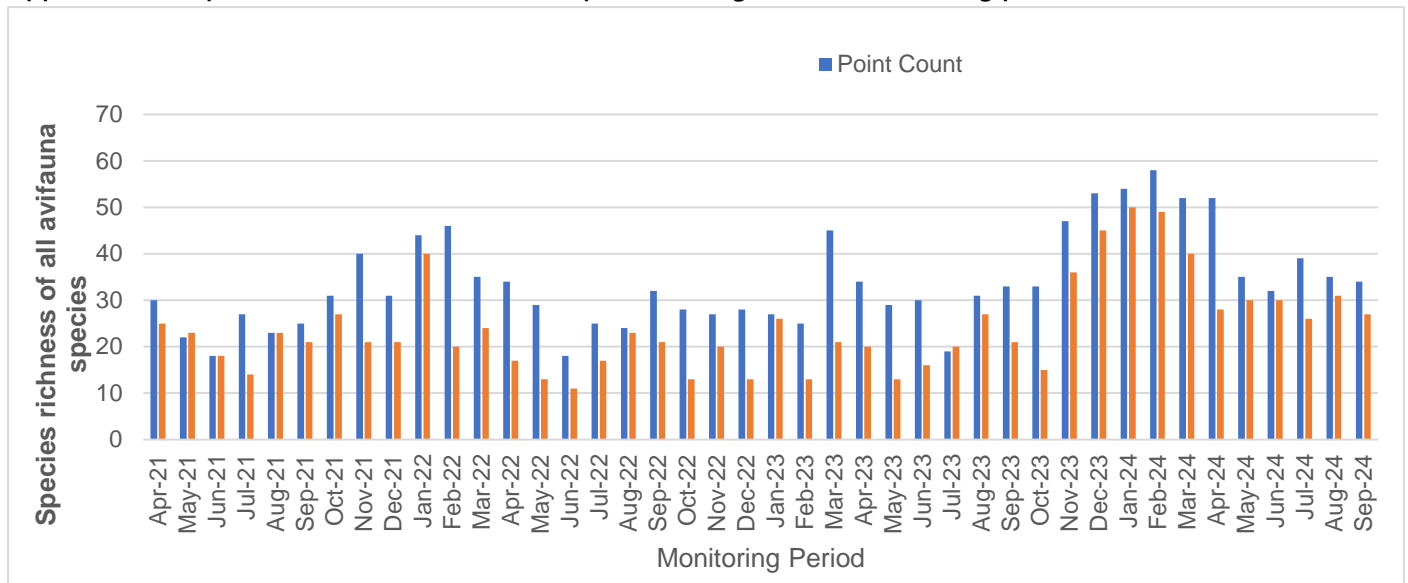
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



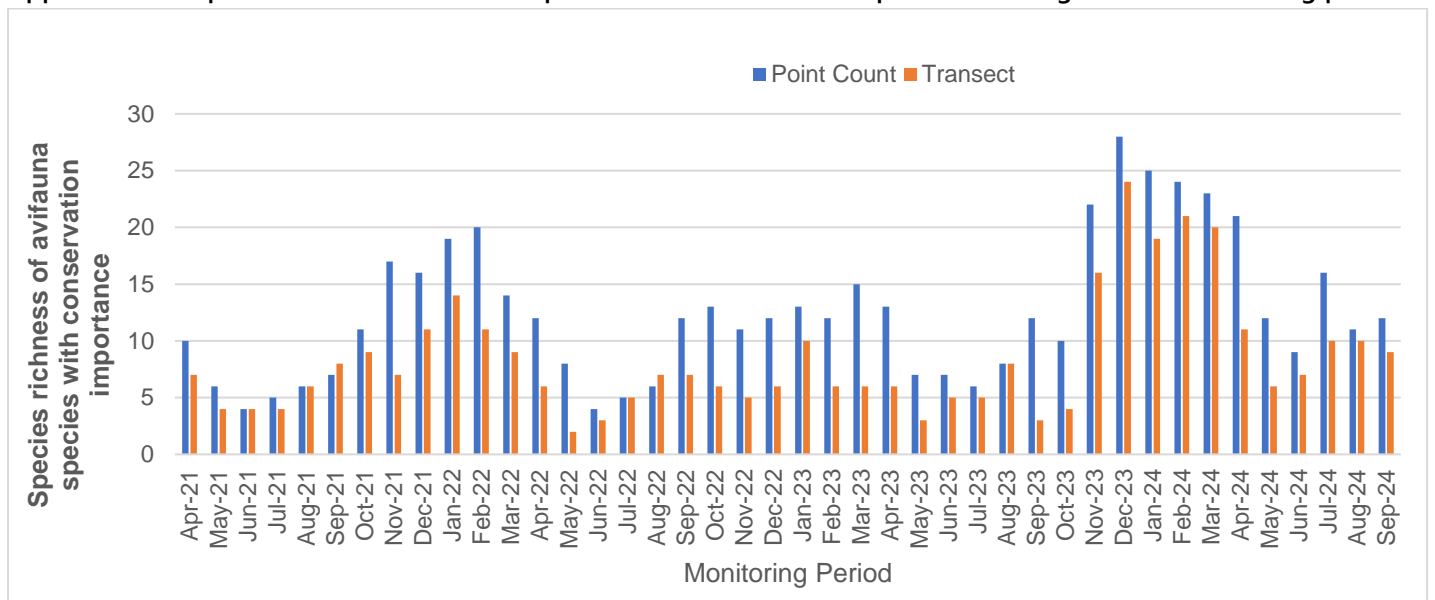
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



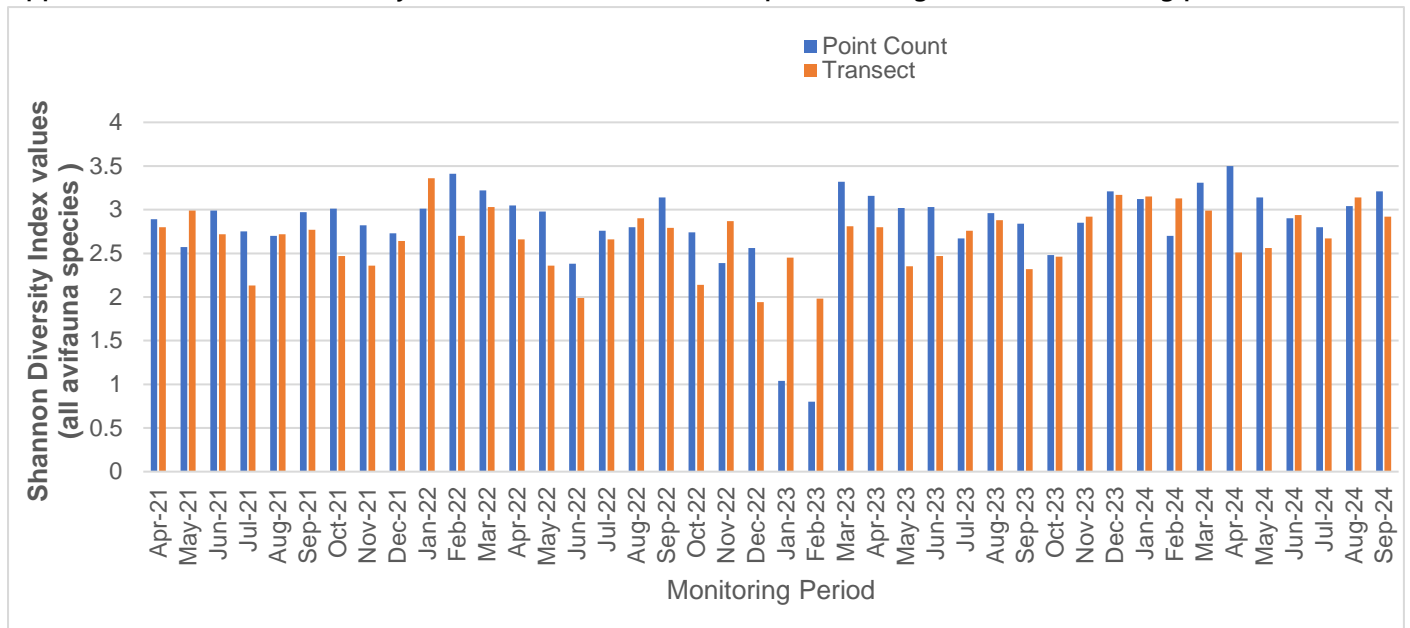
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



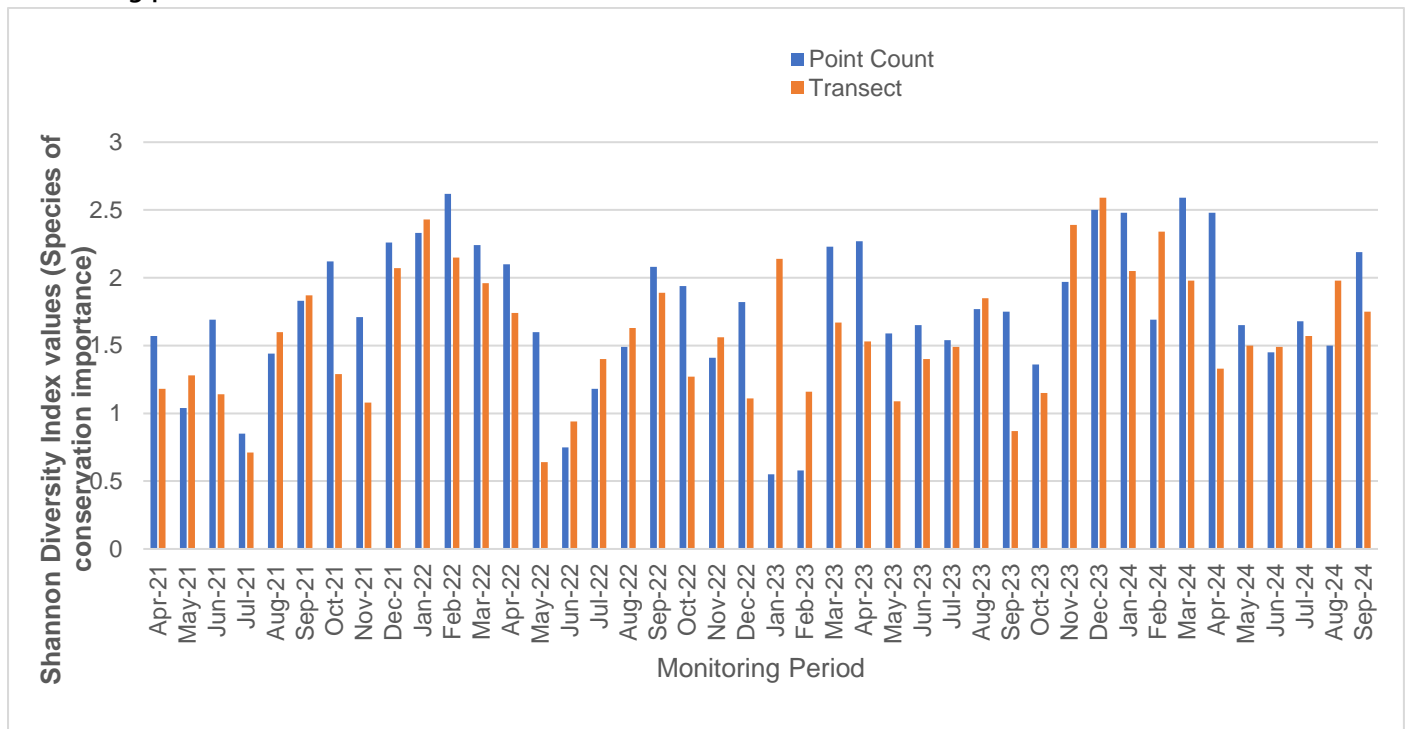
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



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	September 2016	September 2024
Total	222	400
Richness	34	41
H	3.0108	3.2106
S ² H	0.003981	0.002555
t	2.4706	
df	487.0136	
Crit	1.9648	
p	0.0138	
CI	0.1262	0.1011

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

Months	September 2016	September 2024
Total	119	190
Richness	27	27
H	2.9536	2.9178
S ² H	0.005728	0.003819
t	0.3660	
df	258.5868	
Crit	1.9692	
p	0.71	
CI	0.1514	0.1236

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

Months	September 2016	September 2024
Total	119	132
Richness	12	13
H	2.0436	2.1876
S ² H	0.005632	0.004970
t	1.3992	
df	247.7579	
Crit	1.9696	
p	0.1630	
CI	0.1501	0.1410

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

Months	September 2016	September 2024
Total	45	54
Richness	9	9
H	1.78739	1.7454
S ² H	0.01646	0.01277
t	0.2458	
df	94.5154	
Crit	1.9855	
p	0.81	
CI	0.2566	0.2260