

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		
4/03/2024	sunny	8:45	45	55	49	291	500
8/03/2024	sunny	8:55	49	51	48		
14/03/2024	sunny	9:10	51	56	52		
20/03/2024	sunny	8:36	54	58	55		
26/03/2024	sunny	8:23	55	57	57		
		Min	45				
		Max	58				
		Average	53				

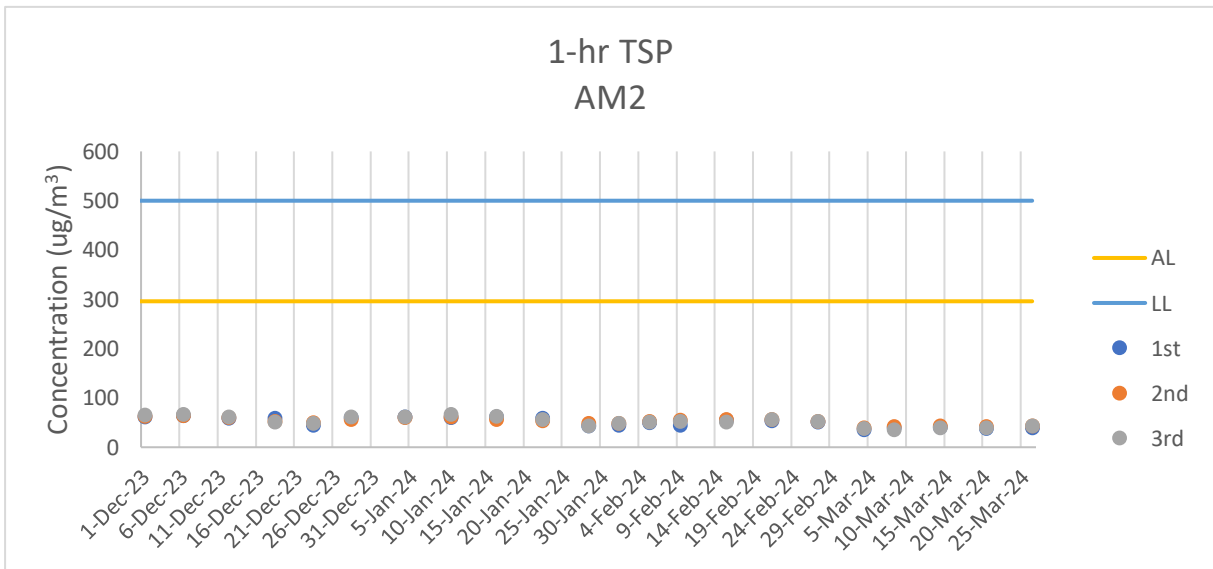
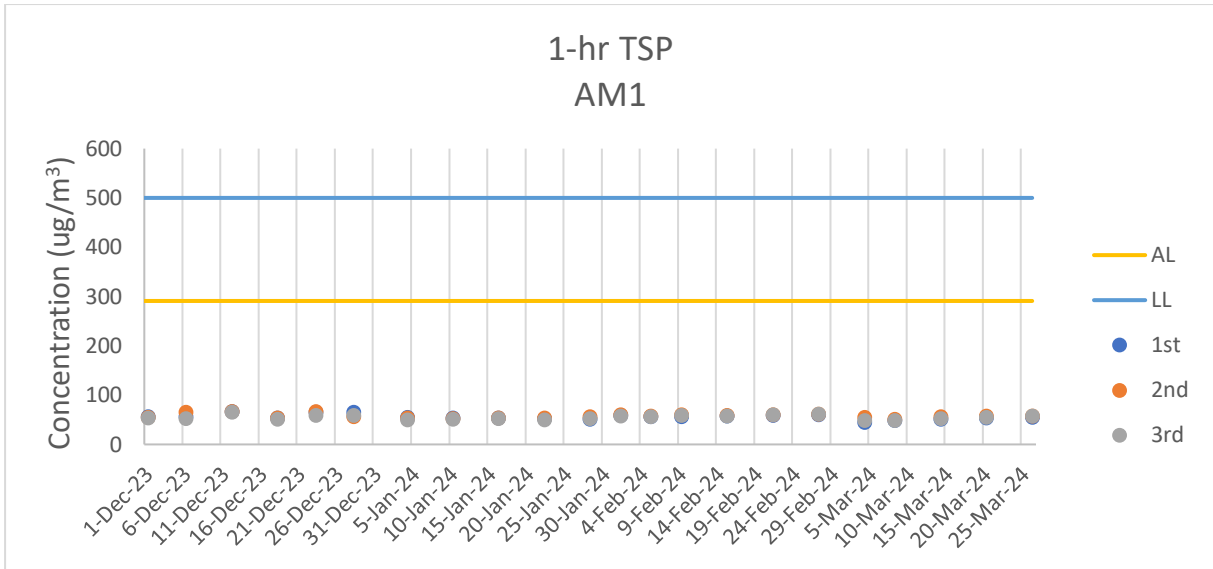
AM2 - Squatter house at the west of Yuen Long STW

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		
4/03/2024	sunny	13:11	35	39	38	296	500
8/03/2024	sunny	13:01	39	42	36		
14/03/2024	sunny	13:22	41	44	40		
20/03/2024	sunny	13:05	38	42	39		
26/03/2024	sunny	13:58	40	43	43		
		Min	35				
		Max	44				
		Average	40				

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)
4/03/2024	14:10	60.5	63.4	57.5	3.8	sunny	75
14/03/2024	14:34	61.4	62.4	57.1	3.8	sunny	75
20/03/2024	14:02	61.1	63.2	56.6	3	sunny	75
26/03/2024	15:01	62.4	64.6	58.4	3.6	sunny	75
	Max	62.4					
	Min	60.5					

CM2 - Squatter house to the west of YLSTW

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
4/03/2024	13:11	60.4	63.3	57.8	1.5	sunny	75
14/03/2024	13:22	60.9	62.5	56.7	3.4	sunny	75
20/03/2024	13:05	61.4	63.5	57.7	2.1	sunny	75
26/03/2024	13:58	62.4	64.4	56.9	3.6	sunny	75
	Max	62.4					
	Min	60.4					

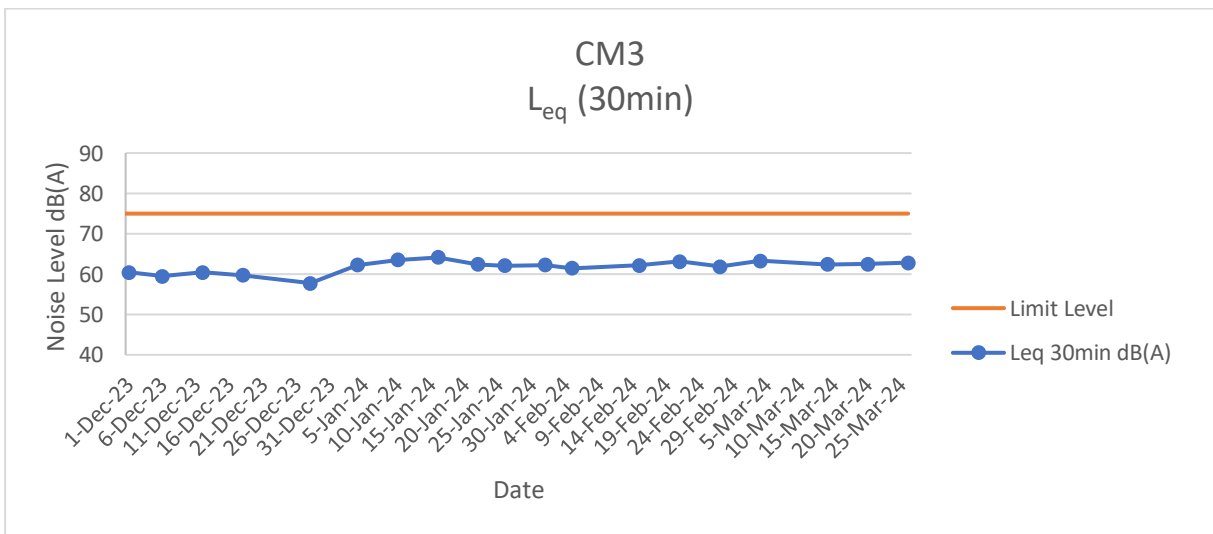
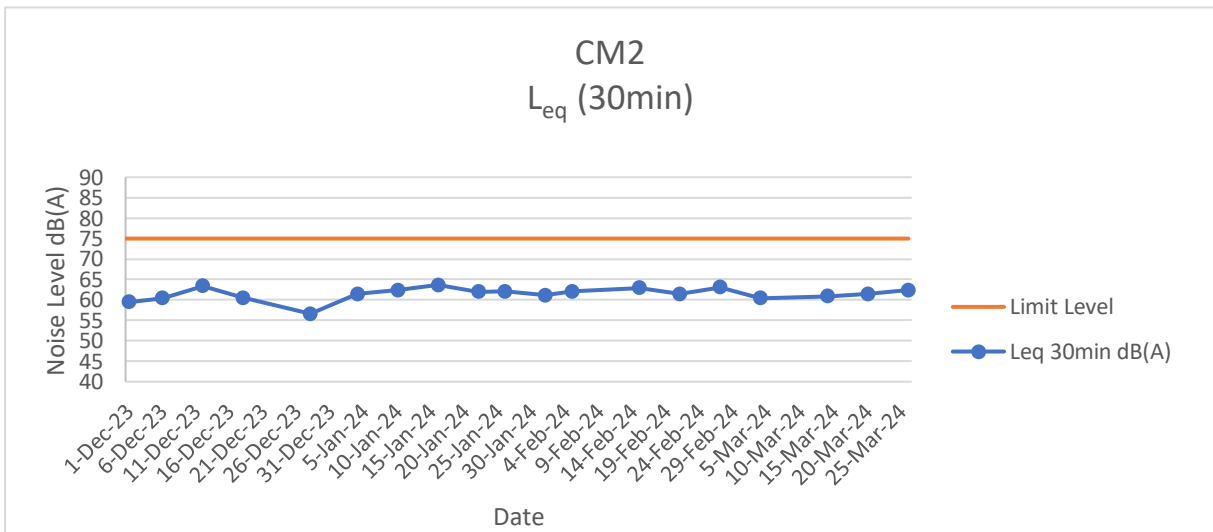
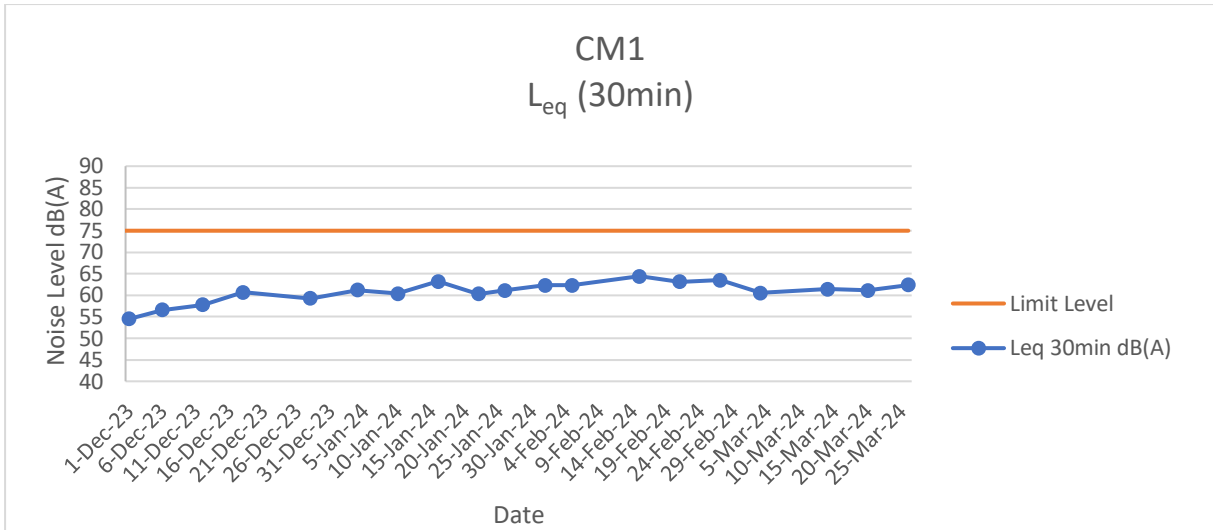
CM3 - Squatter house to the east of YLSTW

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)
4/03/2024	14:57	63.3	65.5	60.5	2.2	sunny	75
14/03/2024	15:15	62.4	64.1	60.1	2.2	sunny	75
20/03/2024	14:48	62.5	63.5	59.3	3.2	sunny	75
26/03/2024	15:44	62.8	64.4	60.3	0.2	sunny	75
	Max	63.3					
	Min	62.4					

Note:

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

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



Noise Monitoring Results

Water Quality Monitoring Results

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	1/03/2024	Mid-Flood	Cloudy	Low	16:28	2.4	M	1.20	1	0.092	165.309	7.23	7.24	4.55	4.53	21.9	21.95	35.6	35.18	2.68	2.65	20.81	20.655	40	37
M1	1/03/2024	Mid-Flood	Cloudy	Low	16:29	2.4	M	1.20	2			7.24		4.5		22		34.7		2.61		20.5			
M2	1/03/2024	Mid-Flood	Cloudy	Low	16:58	2.2	M	1.10	1	0.087	184.307	7.2	7.19	4.48	4.46	21.9	21.95	33.5	32.92	2.52	2.48	18.62	18.555	33	35
M2	1/03/2024	Mid-Flood	Cloudy	Low	16:58	2.2	M	1.10	2			7.18		4.44		22		32.3		2.43		18.49			
M3	1/03/2024	Mid-Flood	Cloudy	Low	16:50	2.1	M	1.05	1	0.088	181.282	7.24	7.23	4.30	4.31	21.9	21.95	46.9	46.22	3.53	3.48	31.59	31.755	38	36
M3	1/03/2024	Mid-Flood	Cloudy	Low	16:50	2.1	M	1.05	2			7.22		4.32		22		45.5		3.42		31.92			
M1	1/03/2024	Mid-Ebb	Cloudy	Low	10:42	2.4	M	1.20	1	0.066	341.949	7.22	7.21	4.67	4.67	22.1	22.15	36.3	35.58	2.73	2.68	21.33	21.215	33	30
M1	1/03/2024	Mid-Ebb	Cloudy	Low	10:43	2.4	M	1.20	2			7.2		4.67		22.2		34.8		2.62		21.1			
M2	1/03/2024	Mid-Ebb	Cloudy	Low	10:05	2.2	M	1.10	1	0.079	313.507	7.24	7.24	4.73	4.72	22.1	22.15	33.8	34.51	2.54	2.60	20.40	20.215	32	31
M2	1/03/2024	Mid-Ebb	Cloudy	Low	10:05	2.2	M	1.10	2			7.23		4.7		22.2		35.2		2.65		20.03			
M3	1/03/2024	Mid-Ebb	Cloudy	Low	10:49	2	M	1.00	1	0.075	342.698	7.27	7.26	4.89	4.86	22.1	22.10	48.7	49.14	3.66	3.70	33.68	33.755	33	30
M3	1/03/2024	Mid-Ebb	Cloudy	Low	10:49	2	M	1.00	2			7.25		4.82		22.1		49.6		3.73		33.83			

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	4/03/2024	Mid-Flood	Cloudy	Low	15:47	2.6	M	1.30	1	0.094	163.035	7.16	7.17	5.66	5.70	20.5	20.55	41.4	41.30	3.11	3.11	24.68	24.755	19	21
M1	4/03/2024	Mid-Flood	Cloudy	Low	15:48	2.6	M	1.30	2			7.17		5.73		20.6		41.2		3.1		24.83		22	
M2	4/03/2024	Mid-Flood	Cloudy	Low	16:16	2.4	M	1.20	1	0.095	179.75	7.18	7.18	5.48	5.44	20.5	20.50	41.6	41.90	3.13	3.15	22.55	22.41	23	25
M2	4/03/2024	Mid-Flood	Cloudy	Low	16:16	2.4	M	1.20	2			7.18		5.4		20.5		42.2		3.17		22.27		26	
M3	4/03/2024	Mid-Flood	Cloudy	Low	16:22	2.3	M	1.15	1	0.075	168.805	7.19	7.20	5.77	5.80	20.5	20.55	50.3	50.87	3.78	3.83	37.48	37.575	35	35
M3	4/03/2024	Mid-Flood	Cloudy	Low	16:22	2.3	M	1.15	2			7.21		5.83		20.6		51.5		3.87		37.67		34	
M1	4/03/2024	Mid-Ebb	Cloudy	Low	14:03	2.4	M	1.20	1	0.061	332.094	7.18	7.17	5.29	5.30	20.8	20.85	38.7	38.70	2.91	2.91	22.62	22.505	33	30
M1	4/03/2024	Mid-Ebb	Cloudy	Low	14:04	2.4	M	1.20	2			7.16		5.3		20.9		38.7		2.91		22.39		27	
M2	4/03/2024	Mid-Ebb	Cloudy	Low	13:38	2.2	M	1.10	1	0.075	330.208	7.21	7.20	5.35	5.39	20.8	20.80	40.0	40.76	3.01	3.07	24.93	24.755	28	30
M2	4/03/2024	Mid-Ebb	Cloudy	Low	13:38	2.2	M	1.10	2			7.19		5.42		20.8		41.5		3.12		24.58		32	
M3	4/03/2024	Mid-Ebb	Cloudy	Low	14:15	2.1	M	1.05	1	0.061	318.724	7.24	7.25	5.78	5.75	20.8	20.80	48.0	47.81	3.61	3.60	38.77	38.765	24	18
M3	4/03/2024	Mid-Ebb	Cloudy	Low	14:15	2.1	M	1.05	2			7.25		5.71		20.8		47.6		3.58		38.76		12	

Remark

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5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.
6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	6/03/2024	Mid-Flood	Cloudy	Low	11:02	2.6	M	1.30	1	0.073	186.272	7.21	7.20	5.44	5.40	22.3	22.30	36.8	36.24	2.77	2.73	19.87	19.695	24	22
M1	6/03/2024	Mid-Flood	Cloudy	Low	11:02	2.6	M	1.30	2			7.19		5.35		22.3		35.6		2.68		19.52		20	
M2	6/03/2024	Mid-Flood	Cloudy	Low	11:40	2.3	M	1.15	1	0.09	186.426	7.24	7.24	5.67	5.64	22.3	22.30	37.6	38.30	2.83	2.88	16.86	16.965	16	20
M2	6/03/2024	Mid-Flood	Cloudy	Low	11:41	2.3	M	1.15	2			7.24		5.6		22.3		39.0		2.93		17.07		24	
M3	6/03/2024	Mid-Flood	Cloudy	Low	11:48	2.1	M	1.05	1	0.085	168.084	7.26	7.27	6.33	6.30	22.3	22.35	50.4	50.54	3.79	3.80	32.11	32.06	27	29
M3	6/03/2024	Mid-Flood	Cloudy	Low	11:49	2.1	M	1.05	2			7.27		6.27		22.4		50.7		3.81		32.01		30	
M1	6/03/2024	Mid-Ebb	Cloudy	Low	15:43	2.4	M	1.20	1	0.077	338.816	7.24	7.24	5.49	5.48	22.5	22.50	38.0	37.91	2.86	2.85	18.99	18.83	30	26
M1	6/03/2024	Mid-Ebb	Cloudy	Low	15:44	2.4	M	1.20	2			7.24		5.46		22.5		37.8		2.84		18.67		21	
M2	6/03/2024	Mid-Ebb	Cloudy	Low	15:06	2.2	M	1.10	1	0.063	317.792	7.28	7.28	5.57	5.54	22.5	22.50	37.1	36.77	2.79	2.77	17.30	17.355	24	25
M2	6/03/2024	Mid-Ebb	Cloudy	Low	15:07	2.2	M	1.10	2			7.28		5.51		22.5		36.4		2.74		17.41		26	
M3	6/03/2024	Mid-Ebb	Cloudy	Low	15:50	2	M	1.00	1	0.067	310.993	7.29	7.30	6.36	6.32	22.5	22.55	50.7	50.34	3.81	3.79	29.77	29.87	24	19
M3	6/03/2024	Mid-Ebb	Cloudy	Low	15:50	2	M	1.00	2			7.3		6.28		22.6		50.0		3.76		29.97		13	

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

For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	8/03/2024	Mid-Flood	Cloudy	Low	12:28	2.6	M	1.30	1	0.095	171.659	7.2	7.19	3.44	3.40	21.9	21.90	43.1	42.96	3.24	3.17	17.88	17.84	19	21
M1	8/03/2024	Mid-Flood	Cloudy	Low	12:28	2.6	M	1.30	2			7.18		3.35		21.9		42.8		3.1		17.8		22	
M2	8/03/2024	Mid-Flood	Cloudy	Low	12:57	2.3	M	1.15	1	0.088	184.013	7.2	7.21	3.68	3.69	21.9	21.90	42.3	42.63	3.18	3.20	18.49	18.62	26	23
M2	8/03/2024	Mid-Flood	Cloudy	Low	12:59	2.3	M	1.15	2			7.21		3.7		21.9		43.0		3.22		18.74		19	
M3	8/03/2024	Mid-Flood	Cloudy	Low	13:11	2	M	1.00	1	0.082	178.036	7.25	7.26	4.35	4.31	21.9	21.90	50.1	50.54	3.77	3.80	25.66	25.54	23	24
M3	8/03/2024	Mid-Flood	Cloudy	Low	13:12	2	M	1.00	2			7.27		4.26		21.9		50.9		3.82		25.42		25	
M1	8/03/2024	Mid-Ebb	Cloudy	Low	18:04	2.5	M	1.25	1	0.067	340.203	7.18	7.17	3.21	3.22	22.3	22.30	42.3	41.70	3.18	3.18	16.43	16.54	28	25
M1	8/03/2024	Mid-Ebb	Cloudy	Low	18:04	2.5	M	1.25	2			7.16		3.22		22.3		41.1		3.18		16.65		22	
M2	8/03/2024	Mid-Ebb	Cloudy	Low	17:25	2.4	M	1.20	1	0.063	342.028	7.24	7.24	3.48	3.52	22.3	22.35	41.1	41.23	3.09	3.09	18.55	18.63	24	25
M2	8/03/2024	Mid-Ebb	Cloudy	Low	17:26	2.4	M	1.20	2			7.23		3.56		22.4		41.4		3.09		18.71		25	
M3	8/03/2024	Mid-Ebb	Cloudy	Low	18:13	2.4	M	1.20	1	0.073	333.895	7.29	7.30	4.77	4.82	22.3	22.35	51.1	51.14	3.84	3.83	29.88	30.01	23	18
M3	8/03/2024	Mid-Ebb	Cloudy	Low	18:13	2.4	M	1.20	2			7.31		4.86		22.4		51.2		3.81		30.13		12	

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	11/03/2024	Mid-Flood	Cloudy	Low	14:18	2.6	M	1.30	1	0.085	169.304	7.15	7.14	3.79	3.76	22.6	22.65	41.0	41.56	3.08	3.13	24.48	24.61	37	38
M1	11/03/2024	Mid-Flood	Cloudy	Low	14:19	2.6	M	1.30	2			7.13		3.72		22.7		42.2		3.17		24.74		39	
M2	11/03/2024	Mid-Flood	Cloudy	Low	14:55	2.4	M	1.20	1	0.095	189.52	7.21	7.20	4.06	4.05	22.6	22.60	41.9	42.09	3.15	3.17	26.71	26.78	44	44
M2	11/03/2024	Mid-Flood	Cloudy	Low	14:56	2.4	M	1.20	2			7.19		4.04		22.6		42.3		3.18		26.84		44	
M3	11/03/2024	Mid-Flood	Cloudy	Low	15:03	2.2	M	1.10	1	0.077	191.169	7.24	7.23	4.88	4.89	22.6	22.65	52.8	52.87	3.97	3.98	39.95	40.08	48	39
M3	11/03/2024	Mid-Flood	Cloudy	Low	15:03	2.2	M	1.10	2			7.22		4.9		22.7		52.9		3.98		40.21		30	
M1	11/03/2024	Mid-Ebb	Cloudy	Low	9:05	2.5	M	1.25	1	0.074	337.212	7.19	7.19	3.49	3.51	22.7	22.70	39.1	39.77	2.94	2.99	22.72	22.66	34	32
M1	11/03/2024	Mid-Ebb	Cloudy	Low	9:06	2.5	M	1.25	2			7.19		3.52		22.7		40.4		3.04		22.6		29	
M2	11/03/2024	Mid-Ebb	Cloudy	Low	8:26	2.4	M	1.20	1	0.076	302.808	7.22	7.22	3.88	3.93	22.7	22.75	37.0	36.64	2.78	2.76	23.76	23.57	43	46
M2	11/03/2024	Mid-Ebb	Cloudy	Low	8:27	2.4	M	1.20	2			7.22		3.97		22.8		36.3		2.73		23.38		48	
M3	11/03/2024	Mid-Ebb	Cloudy	Low	9:20	2.1	M	1.05	1	0.075	343.624	7.18	7.17	4.69	4.71	22.7	22.75	49.5	49.21	3.72	3.70	37.83	37.91	45	34
M3	11/03/2024	Mid-Ebb	Cloudy	Low	9:20	2.1	M	1.05	2			7.16		4.73		22.8		48.9		3.68		37.99		22	

Remark

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For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	13/03/2024	Mid-Flood	Sunny	Low	15:24	2.6	M	1.30	1	0.093	179.234	7.23	7.22	4.65	4.69	23.4	23.45	39.6	40.17	2.98	3.02	15.48	15.40	71	69
M1	13/03/2024	Mid-Flood	Sunny	Low	15:25	2.6	M	1.30	2			7.21		4.72		23.5		40.7		3.06		15.31		66	
M2	13/03/2024	Mid-Flood	Sunny	Low	16:04	2.4	M	1.20	1	0.079	171.765	7.2	7.19	4.73	4.74	23.4	23.40	37.8	37.44	2.84	2.82	15.73	15.53	67	71
M2	13/03/2024	Mid-Flood	Sunny	Low	16:04	2.4	M	1.20	2			7.18		4.75		23.4		37.1		2.79		15.33		74	
M3	13/03/2024	Mid-Flood	Sunny	Low	16:11	2.2	M	1.10	1	0.084	180.304	7.18	7.18	5.40	5.39	23.4	23.45	50.4	50.54	3.79	3.80	29.82	29.66	92	86
M3	13/03/2024	Mid-Flood	Sunny	Low	16:12	2.2	M	1.10	2			7.17		5.37		23.5		50.7		3.81		29.5		79	
M1	13/03/2024	Mid-Ebb	Sunny	Low	9:48	2.4	M	1.20	1	0.079	338.332	7.25	7.25	4.33	4.37	23.2	23.25	38.0	37.04	2.86	2.79	18.12	18.00	54	55
M1	13/03/2024	Mid-Ebb	Sunny	Low	9:49	2.4	M	1.20	2			7.24		4.41		23.3		36.0		2.71		17.87		56	
M2	13/03/2024	Mid-Ebb	Sunny	Low	9:14	2.3	M	1.15	1	0.081	329.031	7.26	7.27	4.68	4.66	23.2	23.25	39.6	40.10	2.98	3.02	19.78	19.67	65	61
M2	13/03/2024	Mid-Ebb	Sunny	Low	9:15	2.3	M	1.15	2			7.27		4.63		23.3		40.6		3.05		19.56		56	
M3	13/03/2024	Mid-Ebb	Sunny	Low	9:57	2.1	M	1.05	1	0.062	342.659	7.21	7.22	5.21	5.21	23.2	23.25	50.4	50.54	3.79	3.80	36.83	36.65	52	51
M3	13/03/2024	Mid-Ebb	Sunny	Low	9:57	2.1	M	1.05	2			7.22		5.2		23.3		50.7		3.81		36.46		49	

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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	82	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	66.6	72.15

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	15/03/2024	Mid-Flood	Sunny	Low	16:37	2.6	M	1.30	1	0.074	169.191	7.18	7.18	3.33	3.38	23.5	23.50	41.4	40.43	3.11	3.04	14.58	14.61	57	56
M1	15/03/2024	Mid-Flood	Sunny	Low	16:37	2.6	M	1.30	2			7.17		3.42		23.5		39.5		2.97		14.64		54	
M2	15/03/2024	Mid-Flood	Sunny	Low	17:05	2.3	M	1.15	1	0.092	168.625	7.15	7.16	3.58	3.55	23.5	23.55	39.6	38.64	2.98	2.91	15.33	15.50	52	52
M2	15/03/2024	Mid-Flood	Sunny	Low	17:05	2.3	M	1.15	2			7.17		3.52		23.6		37.6		2.83		15.67		52	
M3	15/03/2024	Mid-Flood	Sunny	Low	17:11	2.1	M	1.05	1	0.074	172.317	7.2	7.19	4.21	4.22	23.5	23.55	50.0	49.94	3.76	3.76	27.49	27.58	47	46
M3	15/03/2024	Mid-Flood	Sunny	Low	17:12	2.1	M	1.05	2			7.18		4.23		23.6		49.9		3.75		27.67		45	
M1	15/03/2024	Mid-Ebb	Sunny	Low	10:48	2.4	M	1.20	1	0.078	338.693	7.19	7.20	3.73	3.70	23.8	23.80	37.5	37.31	2.82	2.81	12.94	12.83	57	49
M1	15/03/2024	Mid-Ebb	Sunny	Low	10:49	2.4	M	1.20	2			7.2		3.66		23.8		37.1		2.79		12.71		41	
M2	15/03/2024	Mid-Ebb	Sunny	Low	9:54	2.2	M	1.10	1	0.062	336.791	7.17	7.16	3.68	3.68	23.8	23.80	36.4	36.58	2.74	2.75	13.56	13.35	41	43
M2	15/03/2024	Mid-Ebb	Sunny	Low	9:55	2.2	M	1.10	2			7.15		3.67		23.8		36.7		2.76		13.13		45	
M3	15/03/2024	Mid-Ebb	Sunny	Low	10:23	1.8	M	0.90	1	0.069	318.313	7.22	7.21	4.59	4.63	23.8	23.80	51.7	51.74	3.89	3.89	28.26	28.16	37	38
M3	15/03/2024	Mid-Ebb	Sunny	Low	10:23	1.8	M	0.90	2			7.2		4.67		23.8		51.7		3.89		28.05		39	

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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	18/03/2024	Mid-Flood	Cloudy	Low	15:45	2.8	M	1.40	1	0.087	178.745	7.19	7.20	4.78	4.80	23.5	23.50	43.2	43.82	3.25	3.30	22.58	22.58	23	26
M1	18/03/2024	Mid-Flood	Cloudy	Low	15:45	2.8	M	1.40	2			7.21		4.82		23.5		44.4		3.34		22.58		28	
M2	18/03/2024	Mid-Flood	Cloudy	Low	16:16	2.5	M	1.25	1	0.087	191.153	7.2	7.20	4.97	4.94	23.5	23.50	45.0	44.02	3.38	3.31	23.45	23.53	29	31
M2	18/03/2024	Mid-Flood	Cloudy	Low	16:17	2.5	M	1.25	2			7.2		4.91		23.5		43.1		3.24		23.61		33	
M3	18/03/2024	Mid-Flood	Cloudy	Low	16:23	2.4	M	1.20	1	0.084	167.824	7.16	7.16	5.25	5.22	23.5	23.55	56.0	55.26	4.21	4.16	35.21	35.00	26	28
M3	18/03/2024	Mid-Flood	Cloudy	Low	16:24	2.4	M	1.20	2			7.15		5.19		23.6		54.5		4.1		34.78		29	
M1	18/03/2024	Mid-Ebb	Cloudy	Low	14:11	2.5	M	1.25	1	0.078	332.692	7.18	7.19	4.44	4.41	23.6	23.65	41.4	40.57	3.11	3.05	21.84	21.72	27	31
M1	18/03/2024	Mid-Ebb	Cloudy	Low	14:12	2.5	M	1.25	2			7.2		4.37		23.7		39.8		2.99		21.6		34	
M2	18/03/2024	Mid-Ebb	Cloudy	Low	13:33	2.4	M	1.20	1	0.081	314.086	7.2	7.21	4.33	4.32	23.6	23.65	43.4	42.36	3.26	3.19	22.61	22.72	21	28
M2	18/03/2024	Mid-Ebb	Cloudy	Low	13:34	2.4	M	1.20	2			7.21		4.3		23.7		41.4		3.11		22.82		34	
M3	18/03/2024	Mid-Ebb	Cloudy	Low	14:22	2.3	M	1.15	1	0.081	300.721	7.21	7.20	5.63	5.62	23.6	23.60	55.2	54.33	4.15	4.09	34.57	34.46	27	26
M3	18/03/2024	Mid-Ebb	Cloudy	Low	14:22	2.3	M	1.15	2			7.19		5.61		23.6		53.5		4.02		34.35		24	

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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	20/03/2024	Mid-Flood	Cloudy	Low	11:16	2.5	M	1.25	1	0.082	167.493	7.17	7.18	3.69	3.73	22.5	22.50	42.2	42.76	3.17	3.22	11.86	12.01	32	33
M1	20/03/2024	Mid-Flood	Cloudy	Low	11:16	2.5	M	1.25	2			7.18		3.76		22.5		43.4		3.26		12.15		33	
M2	20/03/2024	Mid-Flood	Cloudy	Low	11:53	2.3	M	1.15	1	0.076	185.562	7.2	7.21	3.91	3.93	22.5	22.55	43.6	43.42	3.28	3.27	12.59	12.65	33	33
M2	20/03/2024	Mid-Flood	Cloudy	Low	11:54	2.3	M	1.15	2			7.21		3.95		22.6		43.2		3.25		12.71		32	
M3	20/03/2024	Mid-Flood	Cloudy	Low	12:01	2.1	M	1.05	1	0.077	174.153	7.18	7.19	4.42	4.44	22.5	22.55	50.9	50.67	3.83	3.81	31.54	31.50	26	27
M3	20/03/2024	Mid-Flood	Cloudy	Low	12:01	2.1	M	1.05	2			7.19		4.46		22.6		50.4		3.79		31.45		27	
M1	20/03/2024	Mid-Ebb	Cloudy	Low	16:34	2.4	M	1.20	1	0.075	343.929	7.21	7.21	3.83	3.81	22.8	22.85	41.1	41.50	3.09	3.12	12.53	12.60	30	28
M1	20/03/2024	Mid-Ebb	Cloudy	Low	16:35	2.4	M	1.20	2			7.2		3.79		22.9		41.9		3.15		12.66		26	
M2	20/03/2024	Mid-Ebb	Cloudy	Low	15:49	2.1	M	1.05	1	0.07	303.519	7.19	7.20	3.90	3.86	22.8	22.85	39.0	38.57	2.93	2.90	13.76	13.61	32	29
M2	20/03/2024	Mid-Ebb	Cloudy	Low	15:50	2.1	M	1.05	2			7.2		3.82		22.9		38.2		2.87		13.45		25	
M3	20/03/2024	Mid-Ebb	Cloudy	Low	16:41	1.8	M	0.90	1	0.06	321.643	7.22	7.23	4.58	4.56	22.8	22.85	51.6	52.34	3.88	3.94	30.80	30.91	16	19
M3	20/03/2024	Mid-Ebb	Cloudy	Low	16:41	1.8	M	0.90	2			7.24		4.53		22.9		53.1		3.99		31.02		21	

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For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	22/03/2024	Mid-Flood	Cloudy	Low	12:26	2.7	M	1.35	1	0.091	173.525	7.19	7.20	2.69	2.66	23.1	23.10	38.0	37.97	2.86	2.86	21.43	21.42	27	29
M1	22/03/2024	Mid-Flood	Cloudy	Low	12:26	2.7	M	1.35	2			7.21		2.62		23.1		37.9		2.85		21.4		30	
M2	22/03/2024	Mid-Flood	Cloudy	Low	13:05	2.4	M	1.20	1	0.095	166.111	7.18	7.18	2.81	2.85	23.1	23.15	37.2	37.64	2.8	2.83	22.58	22.58	26	31
M2	22/03/2024	Mid-Flood	Cloudy	Low	13:05	2.4	M	1.20	2			7.17		2.88		23.2		38.0		2.86		22.58		35	
M3	22/03/2024	Mid-Flood	Cloudy	Low	13:11	2.2	M	1.10	1	0.081	163.288	7.19	7.19	3.48	3.49	23.1	23.10	52.3	52.80	3.93	3.97	36.79	36.68	27	27
M3	22/03/2024	Mid-Flood	Cloudy	Low	13:12	2.2	M	1.10	2			7.19		3.5		23.1		53.3		4.01		36.57		26	
M1	22/03/2024	Mid-Ebb	Cloudy	Low	18:06	2.5	M	1.25	1	0.065	309.349	7.16	7.16	2.70	2.72	22.9	22.90	36.8	35.98	2.77	2.71	24.55	24.55	27	29
M1	22/03/2024	Mid-Ebb	Cloudy	Low	18:07	2.5	M	1.25	2			7.15		2.74		22.9		35.1		2.64		24.55		30	
M2	22/03/2024	Mid-Ebb	Cloudy	Low	17:35	2.4	M	1.20	1	0.063	324.834	7.16	7.16	2.68	2.68	22.9	22.95	38.2	37.64	2.87	2.83	24.89	24.83	24	29
M2	22/03/2024	Mid-Ebb	Cloudy	Low	17:36	2.4	M	1.20	2			7.15		2.68		23.0		37.1		2.79		24.77		33	
M3	22/03/2024	Mid-Ebb	Cloudy	Low	18:21	2.4	M	1.20	1	0.072	319.267	7.17	7.18	3.56	3.53	22.9	22.95	54.0	53.87	4.06	4.05	31.58	31.65	20	18
M3	22/03/2024	Mid-Ebb	Cloudy	Low	18:21	2.4	M	1.20	2			7.18		3.5		23.0		53.7		4.04		31.71		15	

Remark

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

For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	25/03/2024	Mid-Flood	Cloudy	Low	13:33	2.6	M	1.30	1	0.077	189.255	7.25	7.25	4.41	4.45	24.3	24.35	35.2	34.85	2.65	2.62	16.89	16.74	40	42
M1	25/03/2024	Mid-Flood	Cloudy	Low	13:34	2.6	M	1.30	2			7.24		4.48		24.4		34.4		2.59		16.59		44	
M2	25/03/2024	Mid-Flood	Cloudy	Low	14:06	2.4	M	1.20	1	0.092	169.06	7.28	7.27	4.69	4.66	24.3	24.30	36.0	35.11	2.71	2.64	18.55	18.57	46	48
M2	25/03/2024	Mid-Flood	Cloudy	Low	14:06	2.4	M	1.20	2			7.26		4.63		24.3		34.2		2.57		18.58		49	
M3	25/03/2024	Mid-Flood	Cloudy	Low	14:11	2.2	M	1.10	1	0.079	187.087	7.26	7.26	5.81	5.82	24.3	24.35	52.4	51.54	3.94	3.88	32.75	32.80	41	43
M3	25/03/2024	Mid-Flood	Cloudy	Low	14:11	2.2	M	1.10	2			7.25		5.82		24.4		50.7		3.81		32.85		44	
M1	25/03/2024	Mid-Ebb	Cloudy	Low	10:09	2.4	M	1.20	1	0.061	343.458	7.22	7.23	4.23	4.21	24.1	24.10	34.8	35.11	2.62	2.64	18.82	18.70	52	49
M1	25/03/2024	Mid-Ebb	Cloudy	Low	10:10	2.4	M	1.20	2			7.23		4.18		24.1		35.4		2.66		18.58		46	
M2	25/03/2024	Mid-Ebb	Cloudy	Low	9:28	2.2	M	1.10	1	0.058	342.667	7.19	7.20	4.36	4.32	24.1	24.10	35.0	34.11	2.63	2.57	19.60	19.47	57	64
M2	25/03/2024	Mid-Ebb	Cloudy	Low	9:29	2.2	M	1.10	2			7.21		4.27		24.1		33.3		2.5		19.33		70	
M3	25/03/2024	Mid-Ebb	Cloudy	Low	10:15	2.1	M	1.05	1	0.059	313.01	7.26	7.26	5.69	5.66	24.1	24.10	51.2	51.14	3.85	3.85	33.67	33.51	40	36
M3	25/03/2024	Mid-Ebb	Cloudy	Low	10:15	2.1	M	1.05	2			7.25		5.62		24.1		51.1		3.84		33.35		31	

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	59.4	68

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	27/03/2024	Mid-Flood	Cloudy	Low	14:28	2.6	M	1.30	1	0.086	162.893	7.26	7.27	4.44	4.43	22.8	22.85	38.4	38.97	2.89	2.93	19.63	19.54	33	34
M1	27/03/2024	Mid-Flood	Cloudy	Low	14:28	2.6	M	1.30	2			7.27		4.42		22.9		39.5		2.97		19.45		34	
M2	27/03/2024	Mid-Flood	Cloudy	Low	15:11	2.4	M	1.20	1	0.089	186.594	7.25	7.25	4.21	4.18	22.8	22.85	40.0	40.03	3.01	3.01	20.63	20.47	38	35
M2	27/03/2024	Mid-Flood	Cloudy	Low	15:12	2.4	M	1.20	2			7.25		4.14		22.9		40.0		3.01		20.3		31	
M3	27/03/2024	Mid-Flood	Cloudy	Low	15:22	2.2	M	1.10	1	0.078	187.994	7.29	7.30	5.23	5.22	22.8	22.85	54.9	54.80	4.13	4.12	37.69	37.61	34	39
M3	27/03/2024	Mid-Flood	Cloudy	Low	15:23	2.2	M	1.10	2			7.31		5.21		22.9		54.7		4.11		37.53		43	
M1	27/03/2024	Mid-Ebb	Cloudy	Low	8:58	2.5	M	1.25	1	0.063	342.629	7.22	7.21	3.88	3.89	22.6	22.65	36.8	37.24	2.77	2.80	21.36	21.19	34	33
M1	27/03/2024	Mid-Ebb	Cloudy	Low	8:59	2.5	M	1.25	2			7.2		3.89		22.7		37.6		2.83		21.01		32	
M2	27/03/2024	Mid-Ebb	Cloudy	Low	8:19	2.1	M	1.05	1	0.059	329.882	7.24	7.23	4.06	4.10	22.6	22.65	38.7	39.43	2.91	2.97	23.58	23.57	44	40
M2	27/03/2024	Mid-Ebb	Cloudy	Low	8:20	2.1	M	1.05	2			7.22		4.13		22.7		40.2		3.02		23.56		36	
M3	27/03/2024	Mid-Ebb	Cloudy	Low	9:05	1.9	M	0.95	1	0.076	305.582	7.26	7.26	5.37	5.38	22.6	22.65	51.6	51.60	3.88	3.88	35.49	35.63	29	22
M3	27/03/2024	Mid-Ebb	Cloudy	Low	9:05	1.9	M	0.95	2			7.25		5.39		22.7		51.6		3.88		35.76		15	

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	29/03/2024	Mid-Flood	Cloudy	Low	15:25	2.6	M	1.30	1	0.091	176.962	7.18	7.18	3.43	3.47	23.1	23.10	51.7	51.54	3.89	3.88	22.69	22.58	34	40
M1	29/03/2024	Mid-Flood	Cloudy	Low	15:25	2.6	M	1.30	2			7.17		3.5		23.1		51.3		3.86		22.46			
M2	29/03/2024	Mid-Flood	Cloudy	Low	16:11	2.4	M	1.20	1	0.075	179.798	7.2	7.20	3.58	3.54	23.1	23.15	48.5	47.55	3.65	3.58	24.88	24.98	36	38
M2	29/03/2024	Mid-Flood	Cloudy	Low	16:12	2.4	M	1.20	2			7.19		3.49		23.2		46.6		3.5		25.08			
M3	29/03/2024	Mid-Flood	Cloudy	Low	16:01	2.3	M	1.15	1	0.087	169.198	7.19	7.19	4.12	4.10	23.1	23.15	59.6	58.85	4.48	4.43	37.87	37.67	64	46
M3	29/03/2024	Mid-Flood	Cloudy	Low	16:01	2.3	M	1.15	2			7.19		4.07		23.2		58.1		4.37		37.47			
M1	29/03/2024	Mid-Ebb	Cloudy	Low	9:38	2.5	M	1.25	1	0.081	320.31	7.16	7.16	3.69	3.71	23.0	23.05	47.2	46.68	3.55	3.51	23.92	24.05	42	44
M1	29/03/2024	Mid-Ebb	Cloudy	Low	9:39	2.5	M	1.25	2			7.15		3.72		23.1		46.2		3.47		24.18			
M2	29/03/2024	Mid-Ebb	Cloudy	Low	8:55	2.4	M	1.20	1	0.065	344.231	7.18	7.19	3.74	3.78	23.0	23.00	44.7	45.29	3.36	3.41	25.85	25.99	48	45
M2	29/03/2024	Mid-Ebb	Cloudy	Low	8:56	2.4	M	1.20	2			7.19		3.82		23.0		45.9		3.45		26.12			
M3	29/03/2024	Mid-Ebb	Cloudy	Low	9:28	2.1	M	1.05	1	0.058	328.741	7.19	7.20	4.45	4.42	23.0	23.05	61.3	62.04	4.61	4.67	36.94	37.06	40	29
M3	29/03/2024	Mid-Ebb	Cloudy	Low	9:28	2.1	M	1.05	2			7.21		4.38		23.1		62.8		4.72		37.17			

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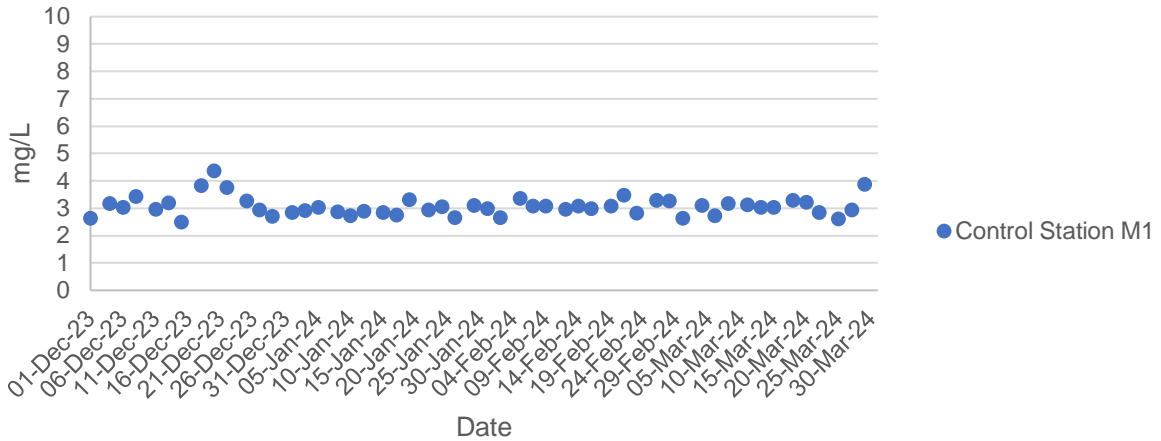
For Flood Tide

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

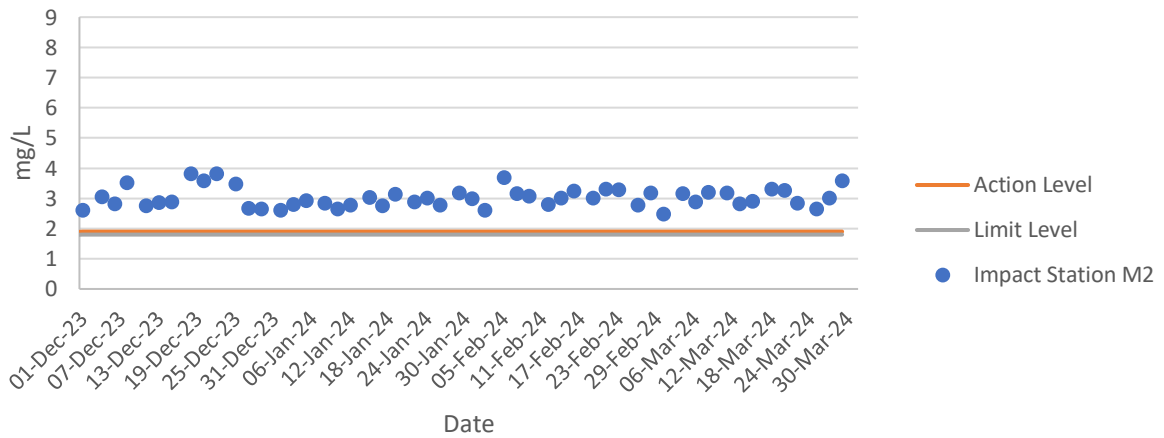
For Ebb Tide

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

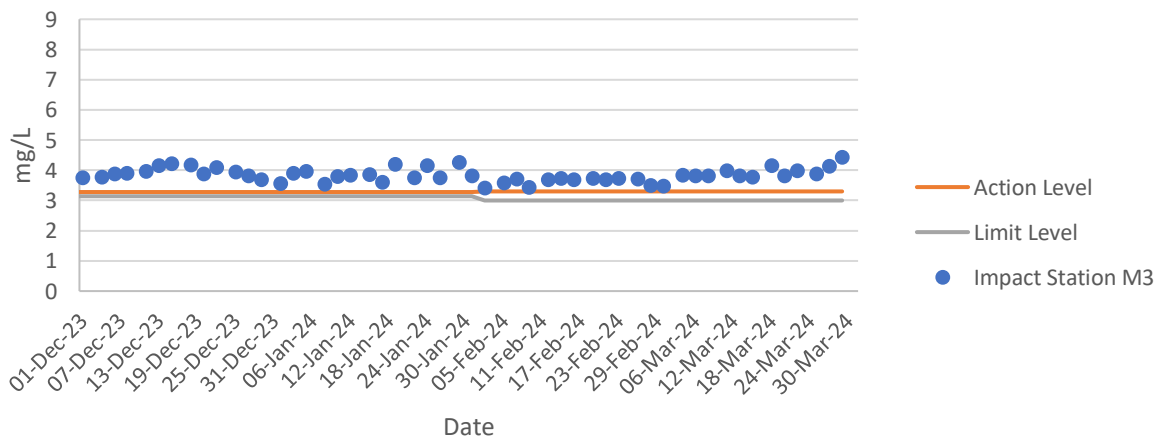
Dissolved Oxygen at Mid-Flood Tide



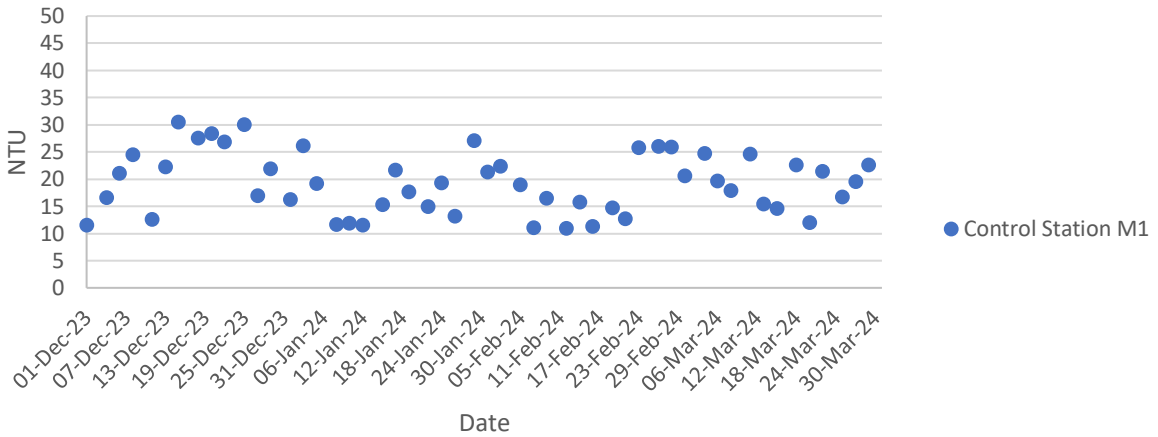
Dissolved Oxygen at Mid-Flood Tide



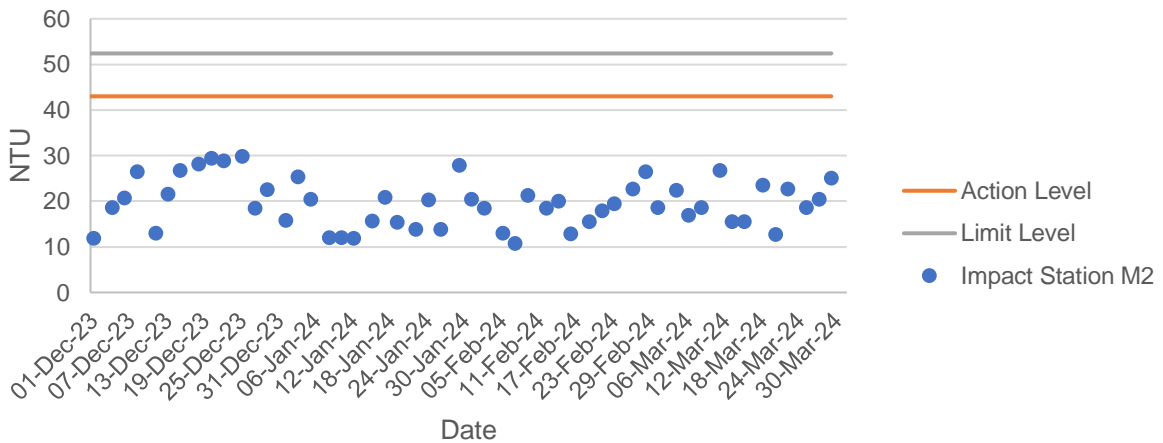
Dissolved Oxygen at Mid-Flood Tide



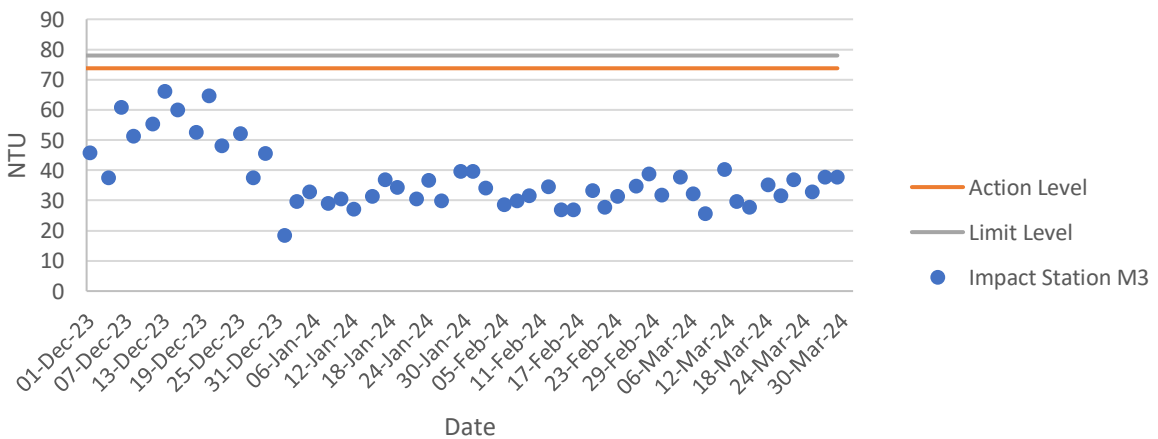
Turbidity at Mid-Flood Tide



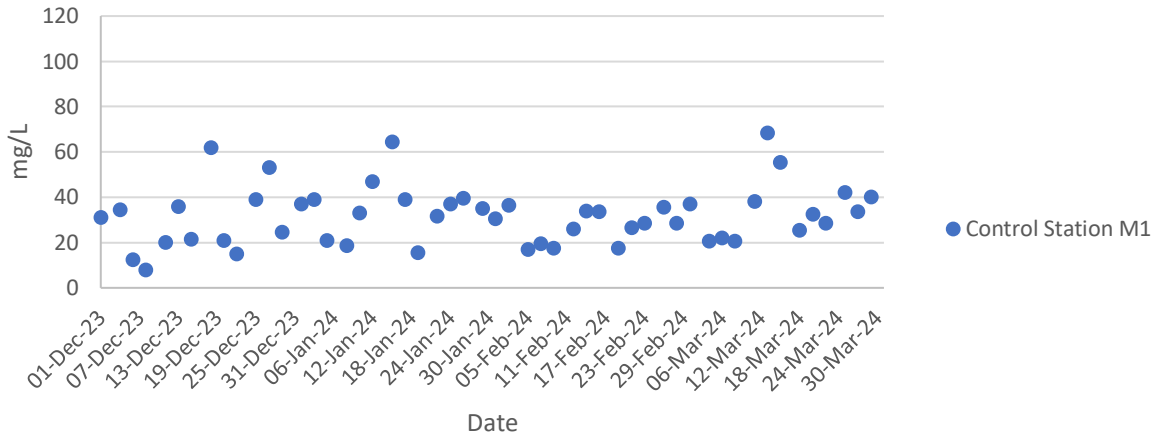
Turbidity at Mid-Flood Tide



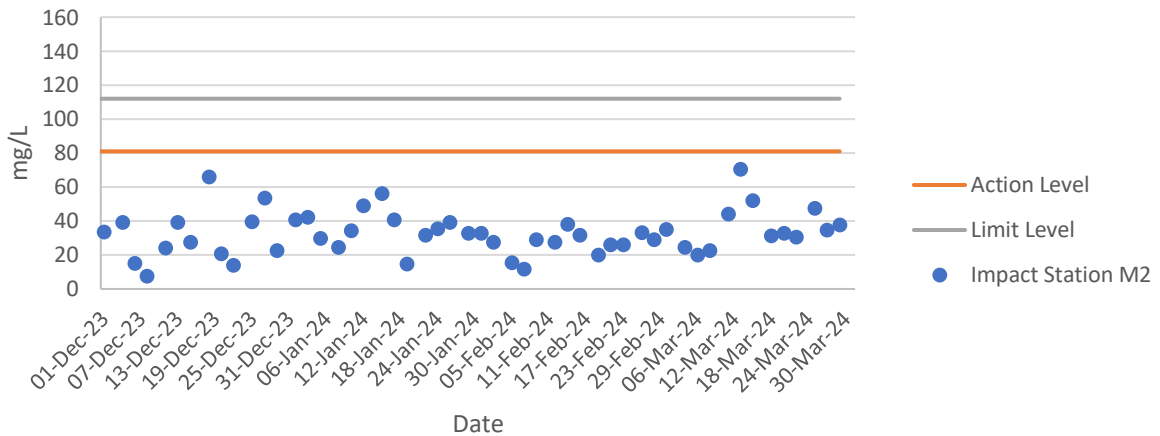
Turbidity at Mid-Flood Tide



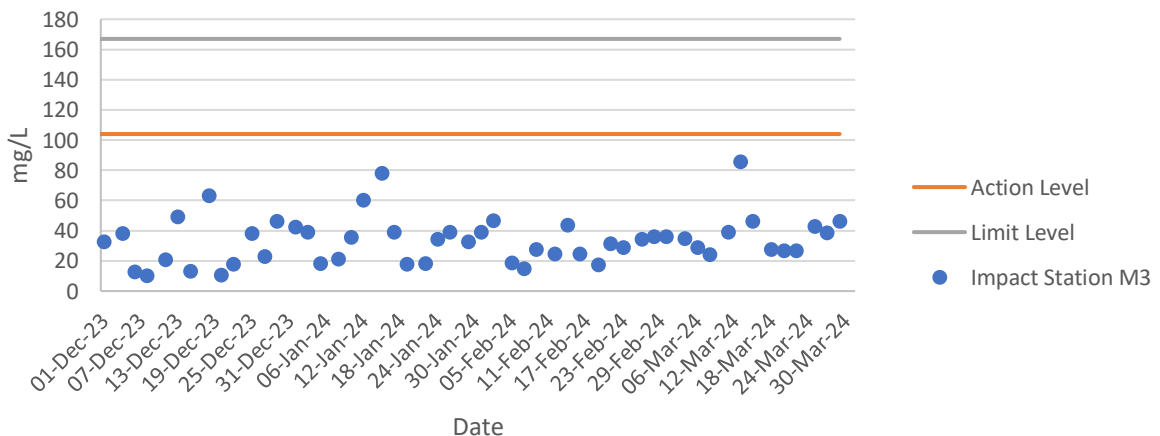
Total Suspended Solids at Mid-Flood Tide



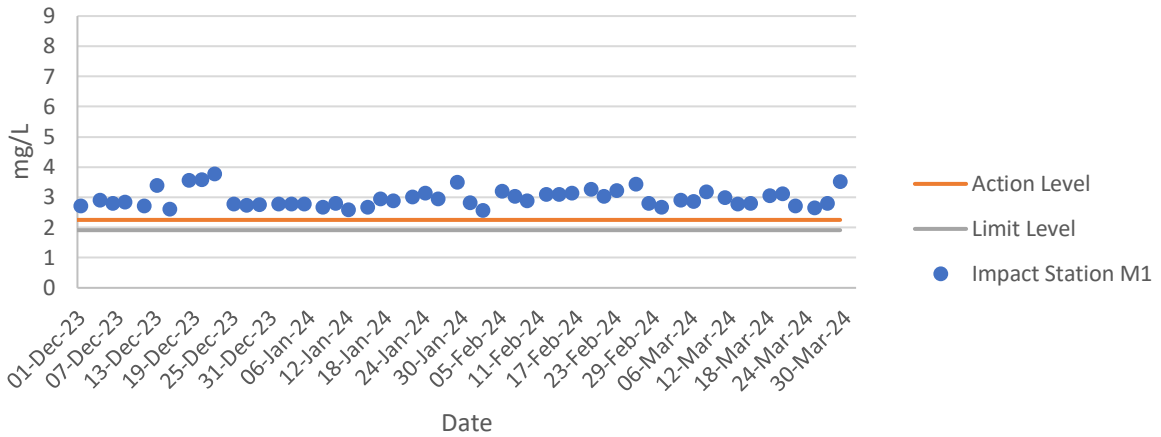
Total Suspended Solids at Mid-Flood Tide



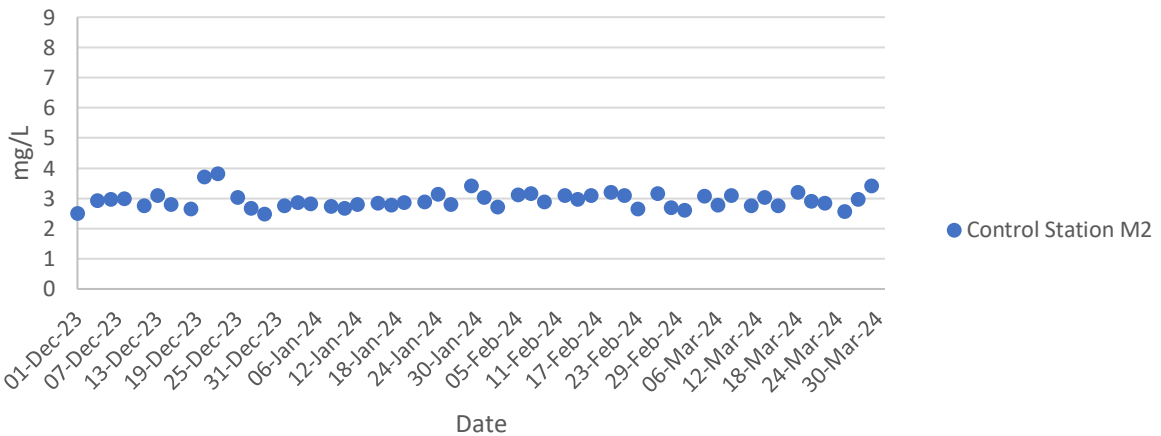
Total Suspended Solids at Mid-Flood Tide



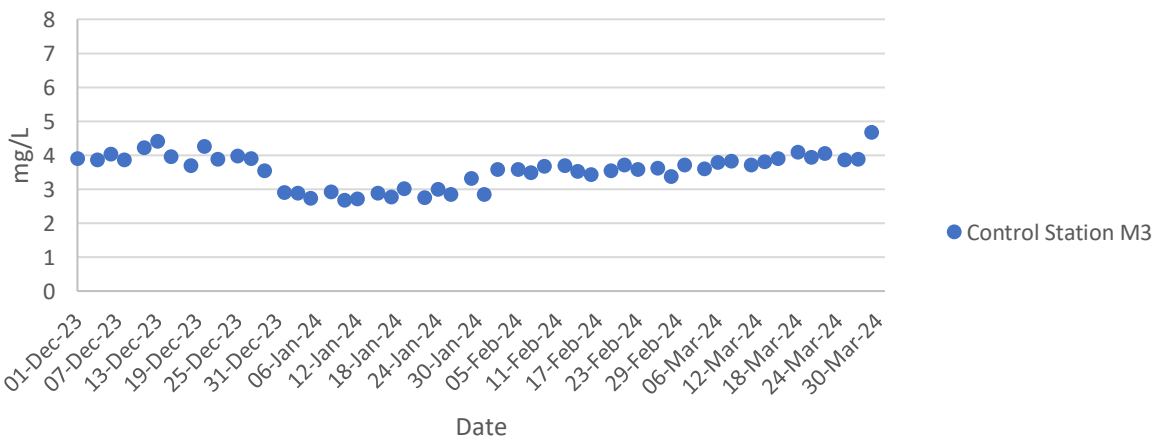
Dissolved Oxygen at Mid-Ebb Tide



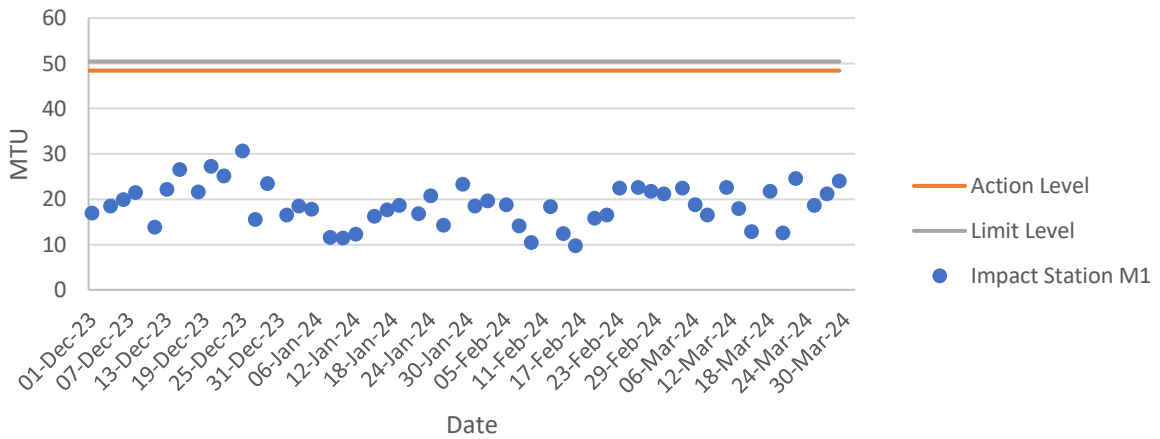
Dissolved Oxygen at Mid-Ebb Tide



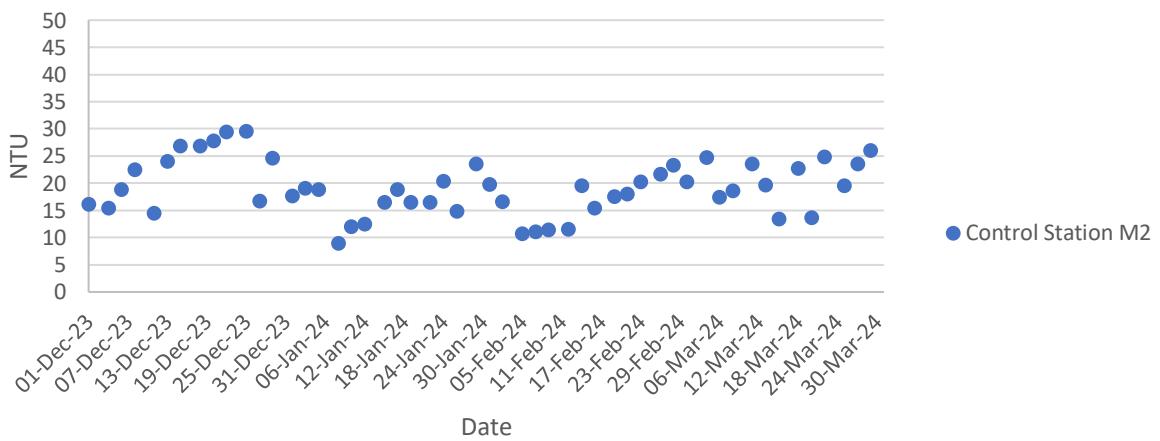
Dissolved Oxygen at Mid-Ebb Tide



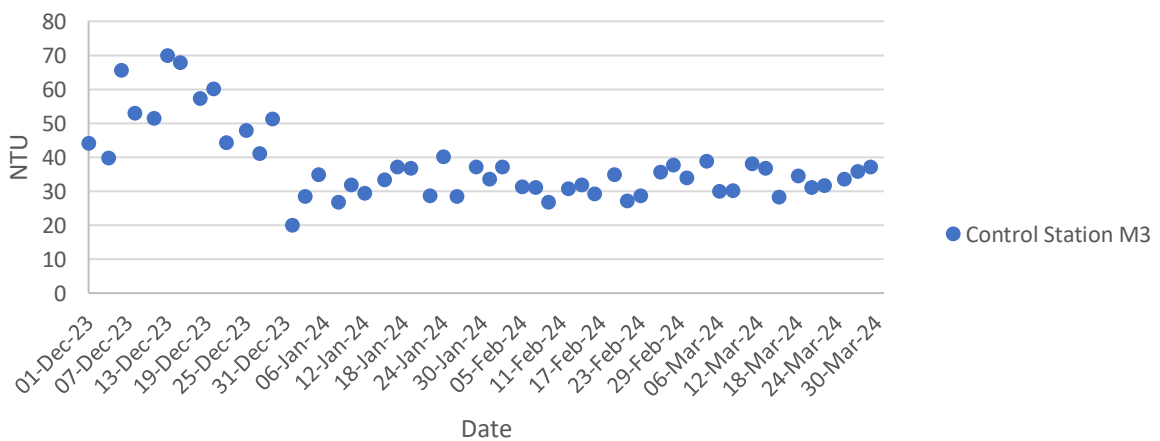
Turbidity at Mid-Ebb Tide



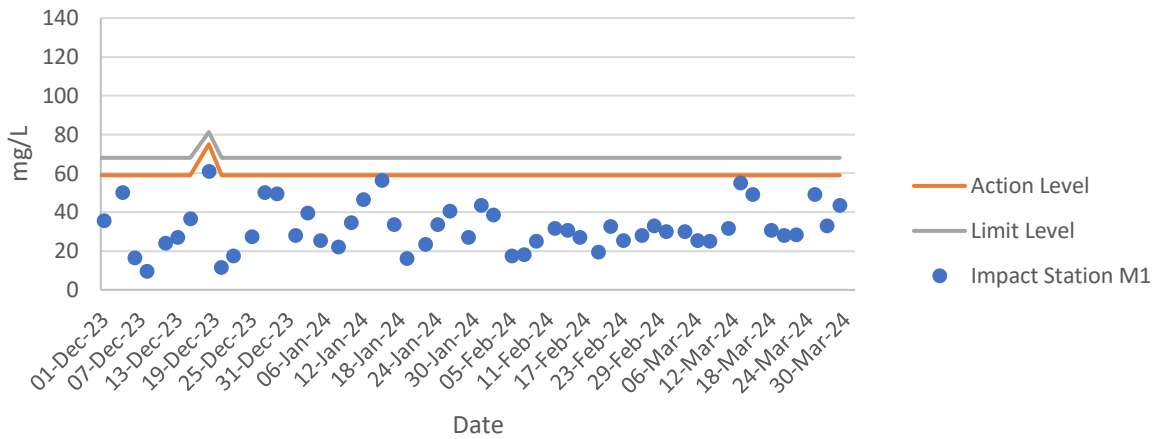
Turbidity at Mid-Ebb Tide



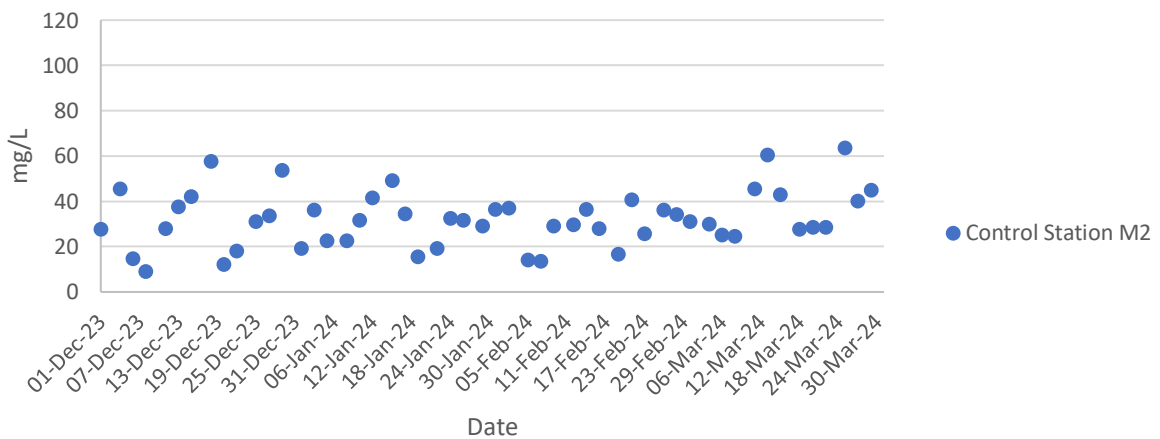
Turbidity at Mid-Ebb Tide



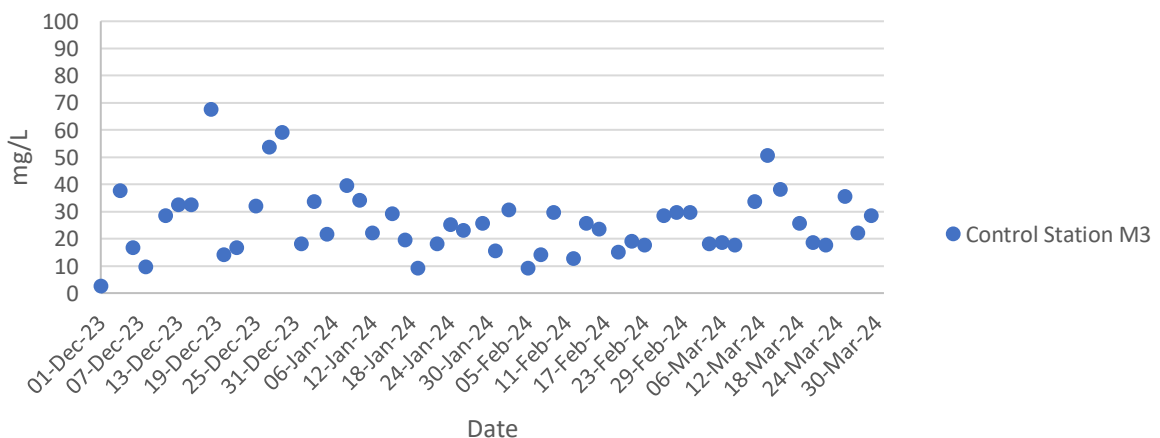
Total Suspended Solids at Mid-Ebb Tide



Total Suspended Solids at Mid-Ebb Tide



Total Suspended Solids at Mid-Ebb Tide



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 (4 March 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
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Eurasian Teal	<i>Anas crecca</i>	9	Common	WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Northern Shoveler	<i>Spatula clypeata</i>	9	Abundant	WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Black-winged Stilt	<i>Himantopus himantopus</i>	3	Common	PM	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	6	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Marsh Sandpiper	<i>Tringa stagnatilis</i>	1	Common	PM,WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Grey Heron	<i>Ardea cinerea</i>	4	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Redshank	<i>Tringa totanus</i>	1	Common	PM	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Pied Avocet	<i>Recurvirostra avosetta</i>	3	Abundant	WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	45	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Eurasian Teal	<i>Anas crecca</i>	19	Common	WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Common Moorhen	<i>Gallinula chloropus</i>	5	Common	R	-	-	-	LC	LC	N	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Pied Avocet	<i>Recurvirostra avosetta</i>	8	Abundant	WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Black-winged Stilt	<i>Himantopus himantopus</i>	12	Common	PM	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Northern Shoveler	<i>Spatula clypeata</i>	11	Abundant	WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Swinhoe's White-eye	<i>Zosterops simplex</i>	4	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Olive-backed Pipit	<i>Anthus hodgsoni</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Common Sandpiper	<i>Actitis hypoleucos</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (4 March 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
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Large-billed Crow	<i>Corvus macrorhynchos</i>	2	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	-	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	Asian Koel	<i>Eudynamis scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	Barn Swallow	<i>Hirundo rustica</i>	6	Abundant	PM,SV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	House Swift	<i>Apus nipalensis</i>	20	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	Great Cormorant	<i>Phalacrocorax carbo</i>	29	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	Black-winged Stilt	<i>Himantopus himantopus</i>	5	Common	PM	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	Northern Shoveler	<i>Spatula clypeata</i>	6	Abundant	WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	Eurasian Teal	<i>Anas crecca</i>	2	Common	WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	Pied Avocet	<i>Recurvirostra avosetta</i>	5	Abundant	WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	Wood Sandpiper	<i>Tringa glareola</i>	1	Common	PM,WV	LC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	NSW1	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Greenshank	<i>Tringa nebularia</i>	4	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (4 March 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
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Marsh Sandpiper	<i>Tringa stagnatilis</i>	3	Common	PM,WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Redshank	<i>Tringa totanus</i>	8	Common	PM	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Grey Heron	<i>Ardea cinerea</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Eurasian Wigeon	<i>Mareca penelope</i>	22	Common	WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Black Kite	<i>Milvus migrans</i>	2	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	4	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Great Cormorant	<i>Phalacrocorax carbo</i>	7	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Tufted Duck	<i>Aythya fuligula</i>	19	Uncommon	WV	LC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Black-faced Spoonbill	<i>Platalea minor</i>	1	Common	WV	PGC	Class II	EN	EN	EN	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Black-winged Stilt	<i>Himantopus himantopus</i>	14	Common	PM	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Moorhen	<i>Gallinula chloropus</i>	2	Common	R	-	-	-	LC	LC	N	Y
04/03/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Transect	NSW	Lesser Black-backed Gull	<i>Larus fuscus</i>	2	Common	W,M	LC	-	-	-	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Transect	NSW	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Transect	NSW	Eurasian Wigeon	<i>Mareca penelope</i>	3	Common	WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Transect	NSW	Black-winged Stilt	<i>Himantopus himantopus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Transect	NSW	Chinese Pond Heron	<i>Ardeola bacchus</i>	5	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Transect	NSW	Dusky Warbler	<i>Phylloscopus fuscatus</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Transect	NSW	Northern Shoveler	<i>Spatula clypeata</i>	4	Abundant	WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	NSW	Transect	NSW	Swinhoe's White-eye	<i>Zosterops simplex</i>	4	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	NSW	Transect	NSW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	4	Introduced	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Swinhoe's White-eye	<i>Zosterops simplex</i>	19	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Crested Myna	<i>Acridotheres cristatellus</i>	10	Common	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (4 March 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
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	2	Common	WV,Sp	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Tailorbird	<i>Orthotomus sutorius</i>	2	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	8	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Moorhen	<i>Gallinula chloropus</i>	3	Common	R	-	-	-	LC	LC	N	Y
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Eurasian Teal	<i>Anas crecca</i>	28	Common	WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Pied Avocet	<i>Recurvirostra avosetta</i>	8	Abundant	WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Greenshank	<i>Tringa nebularia</i>	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Northern Shoveler	<i>Spatula clypeata</i>	14	Abundant	WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Black-winged Stilt	<i>Himantopus himantopus</i>	18	Common	PM	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	55	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Lesser Black-backed Gull	<i>Larus fuscus</i>	1	Common	W,M	LC	-	-	-	LC	Y	Y
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Grey Heron	<i>Ardea cinerea</i>	4	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	House Swift	<i>Apus nipalensis</i>	29	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Great Cormorant	<i>Phalacrocorax carbo</i>	4	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	2	Introduced	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Garganey	<i>Spatula querquedula</i>	3	Common	M,W	-	-	-	-	LC	N	Y
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Redshank	<i>Tringa totanus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Green Sandpiper	<i>Tringa ochropus</i>	2	Uncommon	PM,WV	-	-	-	LC	LC	N	Y

Appendix F.1 Ecological Bird Monitoring Result (4 March 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
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Pied Kingfisher	<i>Ceryle rudis</i>	1	Uncommon	R	-	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW4	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW4	Little Grebe	<i>Tachybaptus ruficollis</i>	3	Common	R	LC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW4	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW4	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW4	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW4	Grey Heron	<i>Ardea cinerea</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW4	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	2	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW4	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW4	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW4	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW4	Crested Myna	<i>Acridotheres crisatellus</i>	20	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW4	Black-collared Starling	<i>Gracupica nigricollis</i>	12	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW4	Great Cormorant	<i>Phalacrocorax carbo</i>	4	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW4	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW4	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW5	Crested Myna	<i>Acridotheres crisatellus</i>	32	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW5	Black-collared Starling	<i>Gracupica nigricollis</i>	5	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW5	Great Cormorant	<i>Phalacrocorax carbo</i>	7	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW5	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW5	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW5	Barn Swallow	<i>Hirundo rustica</i>	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW5	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (4 March 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
04/03/2024	Daytime	Dry	FLW	Point Count	FLW5	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW5	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW5	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	1	Common	WV,Sp	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW5	Little Grebe	<i>Tachybaptus ruficollis</i>	2	Common	R	LC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW5	Collared Crow	<i>Corvus torquatus</i>	1	Uncommon	R	LC	-	-	NT	VU	Y	Y
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	1	Common	WV,Sp	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Transect	FLW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Crested Myna	<i>Acridotheres cristatellus</i>	5	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	11	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Barn Swallow	<i>Hirundo rustica</i>	8	Abundant	PM,SV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	65	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Tufted Duck	<i>Aythya fuligula</i>	8	Uncommon	WV	LC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Little Grebe	<i>Tachybaptus ruficollis</i>	2	Common	R	LC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Collared Crow	<i>Corvus torquatus</i>	1	Uncommon	R	LC	-	-	NT	VU	Y	Y
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Intermediate Egret	<i>Ardea intermedia</i>	1	Common	PM	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW1	Little Grebe	<i>Tachybaptus ruficollis</i>	4	Common	R	LC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW1	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW1	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (4 March 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
04/03/2024	Daytime	Dry	FLW	Point Count	FLW1	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW1	Black-collared Starling	<i>Gracupica nigricollis</i>	12	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW1	Scaly-breasted Munia	<i>Lonchura punctulata</i>	8	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW1	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW1	Common Sandpiper	<i>Actitis hypoleucos</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW1	Great Cormorant	<i>Phalacrocorax carbo</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW7	Azure-winged Magpie	<i>Cyanopica cyanus</i>	28	Introduced	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW7	Black-collared Starling	<i>Gracupica nigricollis</i>	15	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW7	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW7	Chinese Pond Heron	<i>Ardeola bacchus</i>	7	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW7	Olive-backed Pipit	<i>Anthus hodgsoni</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW7	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW7	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW7	Spotted Dove	<i>Spilopelia chinensis</i>	6	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW7	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW7	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW7	Eastern Cattle Egret	<i>Bubulcus coromandus</i>	3	Common	R,PM	-	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW7	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW7	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW7	Red Turtle Dove	<i>Streptopelia tranquebarica</i>	2	Uncommon	PM	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW7	Crested Myna	<i>Acridotheres cristatellus</i>	30	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW7	Black-winged Stilt	<i>Himantopus himantopus</i>	9	Common	PM	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW6	Grey Heron	<i>Ardea cinerea</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW6	Chinese Pond Heron	<i>Ardeola bacchus</i>	7	Common	R	PRC (RC)	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (4 March 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
04/03/2024	Daytime	Dry	FLW	Point Count	FLW6	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW6	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW6	Great Cormorant	<i>Phalacrocorax carbo</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW6	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Transect	FLW	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	4	Introduced	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	2	Common	WV,Sp	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	2	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Spotted Dove	<i>Spilopelia chinensis</i>	5	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW3	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW3	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW3	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW3	Common Greenshank	<i>Tringa nebularia</i>	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW3	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW3	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW3	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW3	Little Ringed Plover	<i>Charadrius dubius</i>	1	Common	WV,PM	-	-	-	LC	LC	N	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW3	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW3	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW2	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (4 March 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
04/03/2024	Daytime	Dry	FLW	Point Count	FLW2	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW2	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW2	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW2	Black-faced Bunting	<i>Emberiza spodocephala</i>	3	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW2	House Swift	<i>Apus nipalensis</i>	2	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW2	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW2	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	4	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW2	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Point Count	FLW2	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Point Count	FLW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Black Kite	<i>Milvus migrans</i>	2	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Great Cormorant	<i>Phalacrocorax carbo</i>	4	Common	WV	PRC	-	-	LC	LC	Y	Y
04/03/2024	Daytime	Dry	FLW	Transect	FLW	Crested Myna	<i>Acridotheres cristatellus</i>	2	Common	R	-	-	-	LC	LC	N	N

Notes:

- All wild birds are protected under Wild Animals Protection Ordinance (Cap. 170).
- AFCD (2021). Hong Kong Biodiversity Database.
- Carey et al. (2001): R=resident; WV=winter visitor; SV=summer visitor; PM=passage migrant; Sp=spring; A=autumn;
- Fellowes et al. (2002): GC=Global Concern; 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 (4 March 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Spatula clypeata</i>	26	0.039039039	-3.243193133	-0.12661	0.410624
<i>Mareca penelope</i>	22	0.033033033	-3.410247217	-0.11265	0.384167
<i>Anas crecca</i>	30	0.045045045	-3.100092289	-0.13964	0.432909
<i>Aythya fuligula</i>	19	0.028528529	-3.556850691	-0.10147	0.36092
<i>Tachybaptus ruficollis</i>	9	0.013513514	-4.304065093	-0.05816	0.250338
<i>Platalea minor</i>	1	0.001501502	-6.501289671	-0.00976	0.063464
<i>Ardeola bacchus</i>	20	0.03003003	-3.505557397	-0.10527	0.369037
<i>Bubulcus coromandus</i>	3	0.004504505	-5.402677382	-0.02434	0.131482
<i>Ardea cinerea</i>	11	0.016516517	-4.103394398	-0.06777	0.278103
<i>Ardea alba</i>	2	0.003003003	-5.80814249	-0.01744	0.101305
<i>Egretta garzetta</i>	4	0.006006006	-5.114995309	-0.03072	0.157136
<i>Phalacrocorax carbo</i>	51	0.076576577	-2.569464038	-0.19676	0.50557
<i>Milvus migrans</i>	6	0.009009009	-4.709530201	-0.04243	0.199817
<i>Amaurornis phoenicurus</i>	3	0.004504505	-5.402677382	-0.02434	0.131482
<i>Gallinula chloropus</i>	7	0.010510511	-4.555379521	-0.04788	0.218109
<i>Himantopus himantopus</i>	43	0.064564565	-2.740089555	-0.17691	0.484757
<i>Recurvirostra avosetta</i>	16	0.024024024	-3.728700948	-0.08958	0.334011
<i>Charadrius dubius</i>	1	0.001501502	-6.501289671	-0.00976	0.063464
<i>Actitis hypoleucos</i>	6	0.009009009	-4.709530201	-0.04243	0.199817
<i>Tringa totanus</i>	9	0.013513514	-4.304065093	-0.05816	0.250338
<i>Tringa stagnatilis</i>	4	0.006006006	-5.114995309	-0.03072	0.157136
<i>Tringa glareola</i>	1	0.001501502	-6.501289671	-0.00976	0.063464
<i>Tringa nebularia</i>	6	0.009009009	-4.709530201	-0.04243	0.199817
<i>Chroicocephalus ridibundus</i>	59	0.088588589	-2.423752227	-0.21472	0.52042
<i>Streptopelia decaocto</i>	4	0.006006006	-5.114995309	-0.03072	0.157136
<i>Streptopelia tranquebarica</i>	2	0.003003003	-5.80814249	-0.01744	0.101305
<i>Spilopelia chinensis</i>	14	0.021021021	-3.862232341	-0.08119	0.313567
<i>Eudynamys scolopaceus</i>	1	0.001501502	-6.501289671	-0.00976	0.063464
<i>Apus nipalensis</i>	22	0.033033033	-3.410247217	-0.11265	0.384167
<i>Halcyon smyrnensis</i>	1	0.001501502	-6.501289671	-0.00976	0.063464
<i>Alcedo atthis</i>	2	0.003003003	-5.80814249	-0.01744	0.101305
<i>Cyanopica cyanus</i>	28	0.042042042	-3.16908516	-0.13323	0.422232
<i>Corvus torquatus</i>	1	0.001501502	-6.501289671	-0.00976	0.063464
<i>Corvus macrorhynchos</i>	2	0.003003003	-5.80814249	-0.01744	0.101305
<i>Pycnonotus jocosus</i>	8	0.012012012	-4.421848129	-0.05312	0.234868
<i>Pycnonotus sinensis</i>	13	0.01951952	-3.936340313	-0.07684	0.302451
<i>Hirundo rustica</i>	8	0.012012012	-4.421848129	-0.05312	0.234868
<i>Phylloscopus inornatus</i>	1	0.001501502	-6.501289671	-0.00976	0.063464
<i>Phylloscopus fuscatus</i>	4	0.006006006	-5.114995309	-0.03072	0.157136
<i>Prinia flaviventris</i>	5	0.007507508	-4.891851758	-0.03673	0.179656
<i>Prinia inornata</i>	6	0.009009009	-4.709530201	-0.04243	0.199817
<i>Orthotomus sutorius</i>	2	0.003003003	-5.80814249	-0.01744	0.101305
<i>Pterorhinus perspicillatus</i>	7	0.010510511	-4.555379521	-0.04788	0.218109
<i>Zosterops simplex</i>	4	0.006006006	-5.114995309	-0.03072	0.157136

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Acridotheres cristatellus</i>	86	0.129129129	-2.046942374	-0.26432	0.541048
<i>Gracupica nigricollis</i>	55	0.082582583	-2.493956485	-0.20596	0.513649
<i>Copsychus saularis</i>	3	0.004504505	-5.402677382	-0.02434	0.131482
<i>Lonchura punctulata</i>	8	0.012012012	-4.421848129	-0.05312	0.234868
<i>Motacilla tschutschensis</i>	3	0.004504505	-5.402677382	-0.02434	0.131482
<i>Motacilla alba</i>	10	0.015015015	-4.198704578	-0.06304	0.264702
<i>Anthus hodgsoni</i>	4	0.006006006	-5.114995309	-0.03072	0.157136
<i>Emberiza spodocephala</i>	3	0.004504505	-5.402677382	-0.02434	0.131482
Total	666	1	-242.46636	-3.308	11.9937
Richness	52				
SS	11.99374671				
SQ	10.94311744				
H	3.308038308				
S ² H	0.001635011				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (4 March 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Spatula clypeata</i>	26	0.075362319	-2.58545	-0.19485	0.503762
<i>Mareca penelope</i>	22	0.063768116	-2.7525	-0.17552	0.483124
<i>Anas crecca</i>	30	0.086956522	-2.44235	-0.21238	0.518701
<i>Aythya fuligula</i>	19	0.055072464	-2.89911	-0.15966	0.462874
<i>Tachybaptus ruficollis</i>	9	0.026086957	-3.64632	-0.09512	0.346843
<i>Platalea minor</i>	1	0.002898551	-5.84354	-0.01694	0.098977
<i>Ardeola bacchus</i>	20	0.057971014	-2.84781	-0.16509	0.470147
<i>Bubulcus coromandus</i>	3	0.008695652	-4.74493	-0.04126	0.195777
<i>Ardea cinerea</i>	11	0.031884058	-3.44565	-0.10986	0.378543
<i>Ardea alba</i>	2	0.005797101	-5.1504	-0.02986	0.153777
<i>Egretta garzetta</i>	4	0.011594203	-4.45725	-0.05168	0.230343
<i>Phalacrocorax carbo</i>	51	0.147826087	-1.91172	-0.2826	0.540255
<i>Milvus migrans</i>	6	0.017391304	-4.05178	-0.07047	0.285512
<i>Himantopus himantopus</i>	43	0.124637681	-2.08234	-0.25954	0.540449
<i>Recurvirostra avosetta</i>	16	0.046376812	-3.07096	-0.14242	0.437369
<i>Charadrius dubius</i>	1	0.002898551	-5.84354	-0.01694	0.098977
<i>Tringa totanus</i>	9	0.026086957	-3.64632	-0.09512	0.346843
<i>Tringa stagnatilis</i>	4	0.011594203	-4.45725	-0.05168	0.230343
<i>Tringa glareola</i>	1	0.002898551	-5.84354	-0.01694	0.098977
<i>Tringa nebularia</i>	6	0.017391304	-4.05178	-0.07047	0.285512
<i>Chroicocephalus ridibundus</i>	59	0.171014493	-1.76601	-0.30201	0.533357
<i>Halcyon smyrnensis</i>	1	0.002898551	-5.84354	-0.01694	0.098977
<i>Corvus torquatus</i>	1	0.002898551	-5.84354	-0.01694	0.098977
Total	345	1	-89.2277	-2.59427	7.43842
Richness	23				
SS	7.4384167				
SQ	6.7302367				
H	2.59426997				
S ² H	0.0021451				

Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method) in All Habitats (4 March 2024)

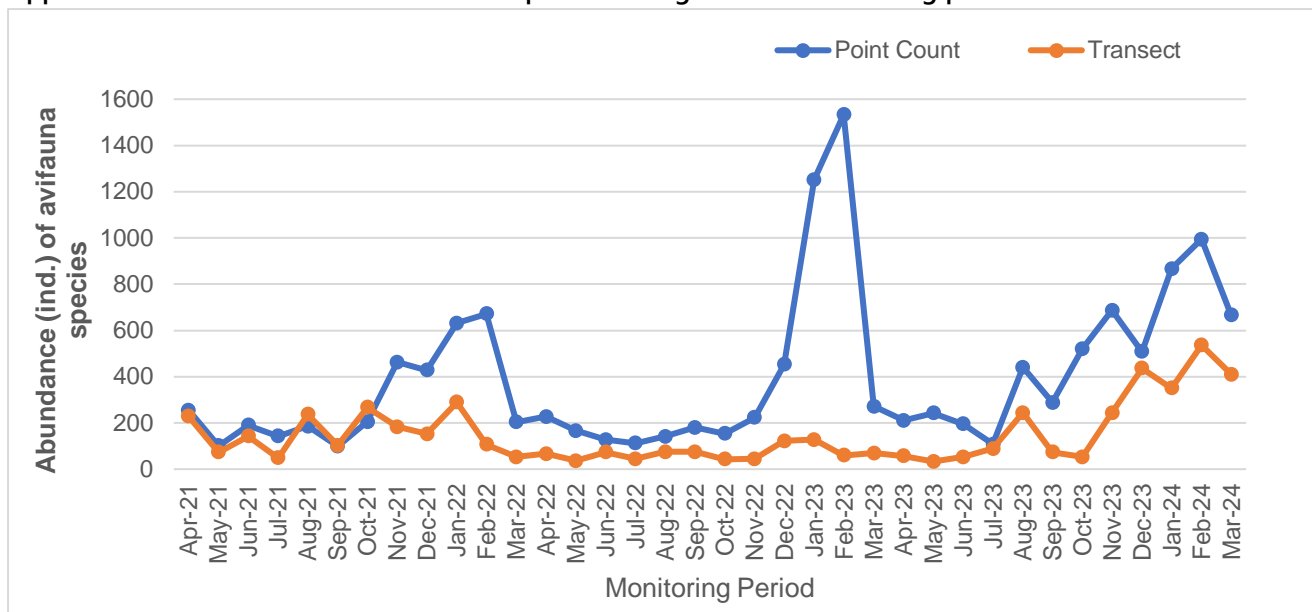
Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Spatula querquedula</i>	14	0.03414634	-3.3771	-0.11532	0.38943
<i>Spatula clypeata</i>	25	0.06097561	-2.79728	-0.17057	0.47712
<i>Mareca penelope</i>	4	0.0097561	-4.62986	-0.04517	0.20913
<i>Anas crecca</i>	2	0.00487805	-5.32301	-0.02597	0.13822
<i>Aythya fuligula</i>	6	0.01463415	-4.2244	-0.06182	0.26115
<i>Tachybaptus ruficollis</i>	10	0.02439024	-3.71357	-0.09057	0.33636
<i>Ardeola bacchus</i>	4	0.0097561	-4.62986	-0.04517	0.20913
<i>Ardea cinerea</i>	2	0.00487805	-5.32301	-0.02597	0.13822
<i>Ardea alba</i>	14	0.03414634	-3.3771	-0.11532	0.38943
<i>Ardea intermedia</i>	5	0.01219512	-4.40672	-0.05374	0.23682
<i>Egretta garzetta</i>	3	0.00731707	-4.91754	-0.03598	0.17694
<i>Phalacrocorax carbo</i>	28	0.06829268	-2.68395	-0.18329	0.49195
<i>Milvus migrans</i>	2	0.00487805	-5.32301	-0.02597	0.13822
<i>Gallinula chloropus</i>	37	0.0902439	-2.40524	-0.21706	0.52208
<i>Himantopus himantopus</i>	27	0.06585366	-2.72032	-0.17914	0.48733
<i>Recurvirostra avosetta</i>	3	0.00731707	-4.91754	-0.03598	0.17694
<i>Tringa ochropus</i>	3	0.00731707	-4.91754	-0.03598	0.17694
<i>Tringa totanus</i>	9	0.02195122	-3.81893	-0.08383	0.32014
<i>Tringa nebularia</i>	8	0.0195122	-3.93672	-0.07681	0.30239
<i>Chroicocephalus ridibundus</i>	85	0.20731707	-1.57351	-0.32621	0.5133
<i>Larus fuscus</i>	3	0.00731707	-4.91754	-0.03598	0.17694
<i>Spilopelia chinensis</i>	2	0.00487805	-5.32301	-0.02597	0.13822
<i>Apus nipalensis</i>	8	0.0195122	-3.93672	-0.07681	0.30239
<i>Alcedo atthis</i>	1	0.00243902	-6.01616	-0.01467	0.08828
<i>Ceryle rudis</i>	2	0.00487805	-5.32301	-0.02597	0.13822
<i>Cyanopica cyanus</i>	35	0.08536585	-2.46081	-0.21007	0.51694
<i>Corvus torquatus</i>	2	0.00487805	-5.32301	-0.02597	0.13822
<i>Pycnonotus jocosus</i>	3	0.00731707	-4.91754	-0.03598	0.17694
<i>Pycnonotus sinensis</i>	21	0.05121951	-2.97163	-0.15221	0.4523
<i>Hirundo rustica</i>	3	0.00731707	-4.91754	-0.03598	0.17694
<i>Phylloscopus inornatus</i>	3	0.00731707	-4.91754	-0.03598	0.17694
<i>Phylloscopus fuscatus</i>	4	0.0097561	-4.62986	-0.04517	0.20913
<i>Prinia flaviventris</i>	3	0.00731707	-4.91754	-0.03598	0.17694
<i>Orthotomus sutorius</i>	17	0.04146341	-3.18294	-0.13198	0.42007
<i>Zosterops simplex</i>	1	0.00243902	-6.01616	-0.01467	0.08828
<i>Acridotheres cristatellus</i>	3	0.00731707	-4.91754	-0.03598	0.17694
<i>Gracupica nigricollis</i>	2	0.00487805	-5.32301	-0.02597	0.13822
<i>Copsychus saularis</i>	1	0.00243902	-6.01616	-0.01467	0.08828
<i>Saxicola stejnegeri</i>	4	0.0097561	-4.62986	-0.04517	0.20913
<i>Motacilla alba</i>	1	0.00243902	-6.01616	-0.01467	0.08828
Total	410	1	-175.69	-2.9897	10.1688
Richness	40				
SS	10.16884777				

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
SQ	8.938445045				
H	2.989723239				
S ² H	0.003116985				

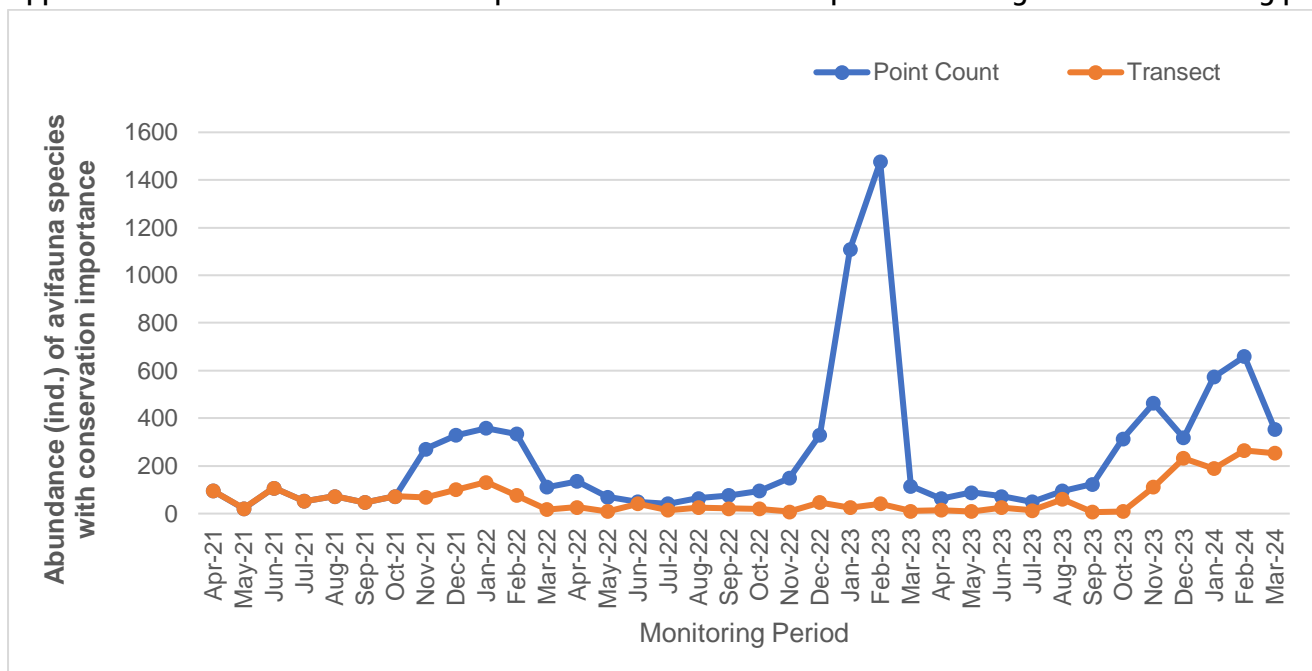
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (4 March 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Spatula clypeata</i>	18	0.070866142	-2.64696	-0.18758	0.496517
<i>Mareca penelope</i>	3	0.011811024	-4.43872	-0.052426	0.232704
<i>Anas crecca</i>	28	0.11023622	-2.20513	-0.243085	0.536034
<i>Aythya fuligula</i>	8	0.031496063	-3.45789	-0.10891	0.376599
<i>Tachybaptus ruficollis</i>	2	0.007874016	-4.84419	-0.038143	0.184773
<i>Ardeola bacchus</i>	10	0.039370079	-3.23475	-0.127352	0.411953
<i>Ardea cinerea</i>	5	0.019685039	-3.9279	-0.077321	0.303708
<i>Ardea alba</i>	2	0.007874016	-4.84419	-0.038143	0.184773
<i>Ardea intermedia</i>	1	0.003937008	-5.53733	-0.021801	0.120717
<i>Egretta garzetta</i>	3	0.011811024	-4.43872	-0.052426	0.232704
<i>Phalacrocorax carbo</i>	8	0.031496063	-3.45789	-0.10891	0.376599
<i>Milvus migrans</i>	5	0.019685039	-3.9279	-0.077321	0.303708
<i>Himantopus himantopus</i>	22	0.086614173	-2.44629	-0.211884	0.518329
<i>Recurvirostra avosetta</i>	8	0.031496063	-3.45789	-0.10891	0.376599
<i>Tringa totanus</i>	2	0.007874016	-4.84419	-0.038143	0.184773
<i>Tringa nebularia</i>	2	0.007874016	-4.84419	-0.038143	0.184773
<i>Chroicocephalus ridibundus</i>	122	0.480314961	-0.73331	-0.352221	0.258289
<i>Larus fuscus</i>	3	0.011811024	-4.43872	-0.052426	0.232704
<i>Ceryle rudis</i>	1	0.003937008	-5.53733	-0.021801	0.120717
<i>Corvus torquatus</i>	1	0.003937008	-5.53733	-0.021801	0.120717
Total	254	1	-78.8008	-1.97875	5.75769
Richness	20				
SS	5.757688539				
SQ	3.915435505				
H	1.978745942				
S ² H	0.007400215				

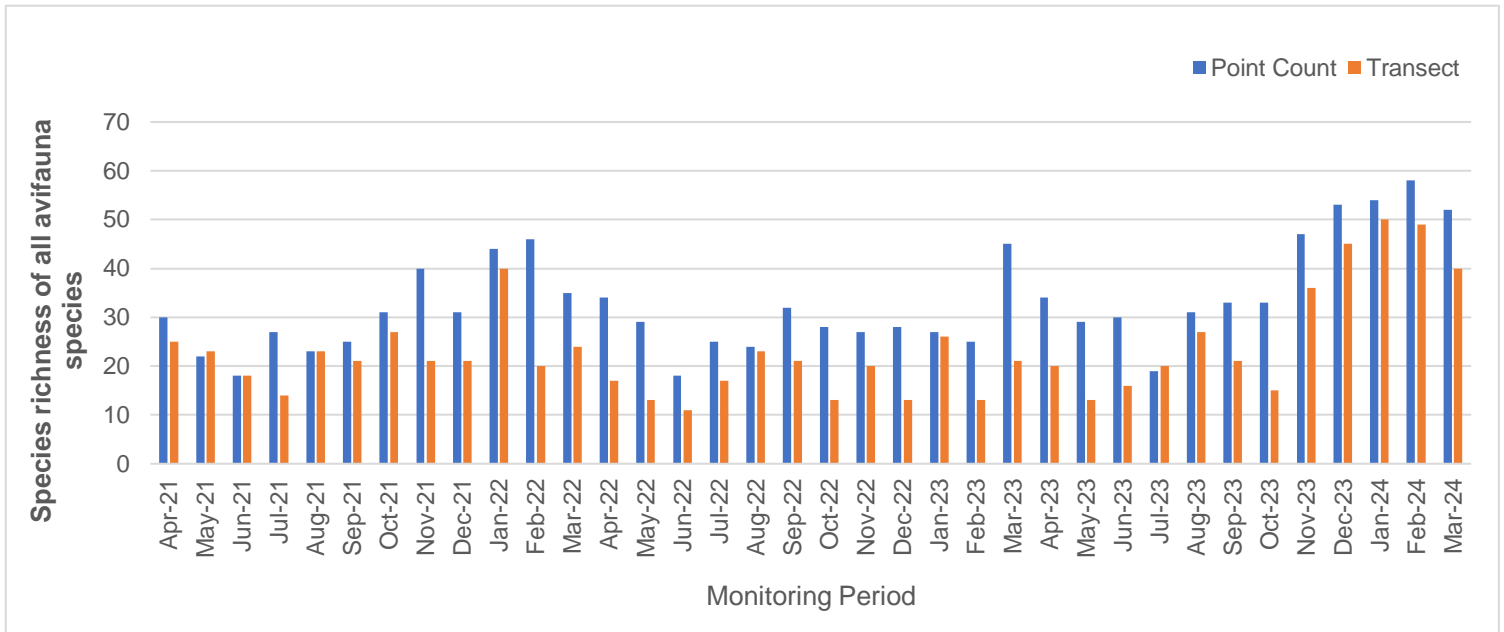
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



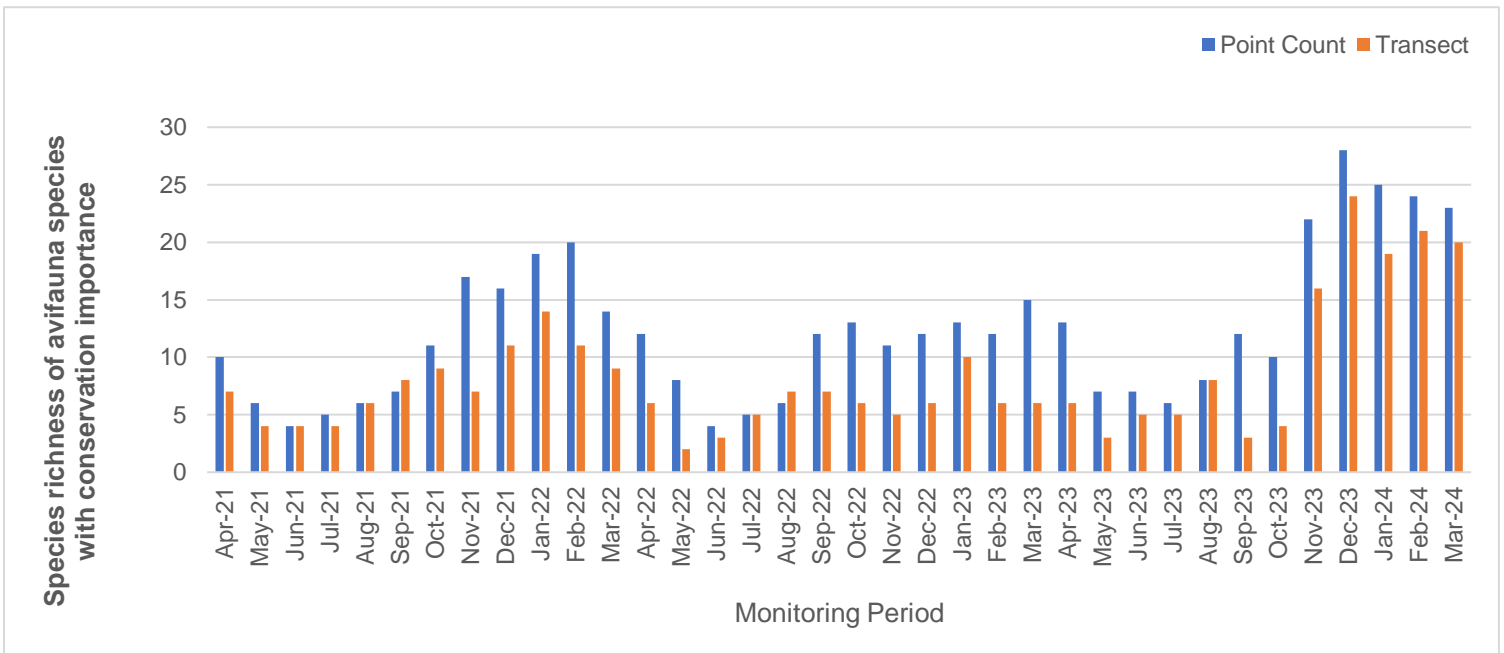
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



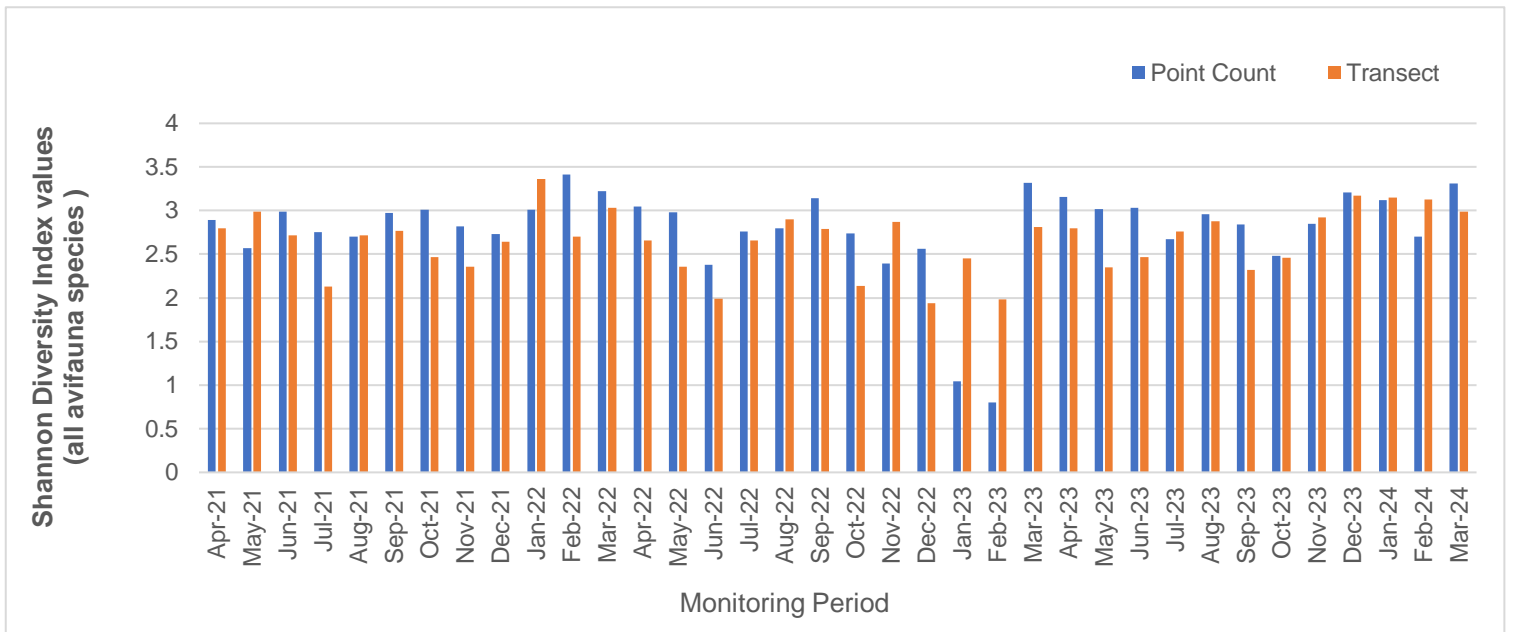
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



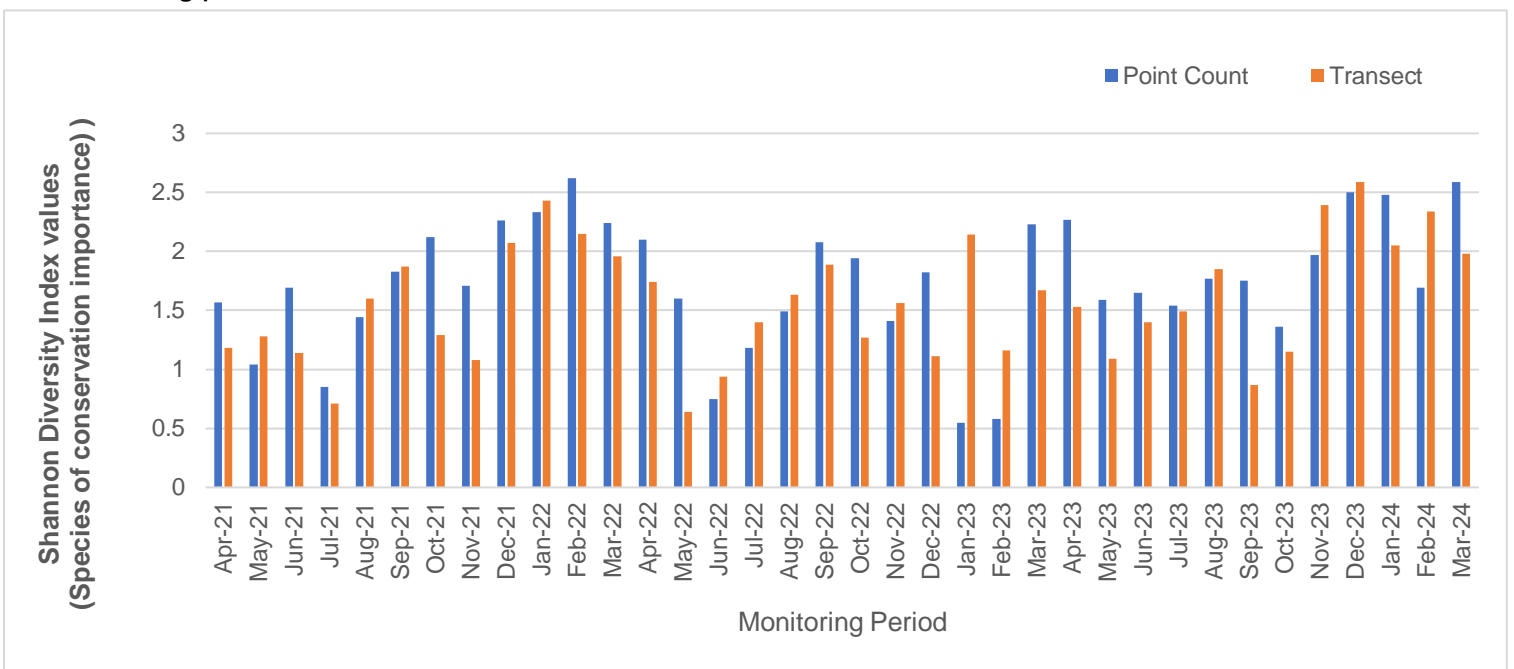
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



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	March 2017	March 2024
Total	607	666
Richness	42	52
H	2.7263	3.3080
S ² H	0.0027	0.001635
t	8.8362	
df	1172.7763	
Crit	1.9620	
p	3.55E-18	
CI	0.1039	0.0809

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

Months	March 2017	March 2024
Total	170	410
Richness	33	40
H	2.8630	2.9897
S ² H	0.0067	0.003117
t	1.2794	
df	334.9136	
Crit	1.9670	
p	2.016E-01	
CI	0.1637	0.1117

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

Months	March 2017	March 2024
Total	510	345
Richness	21	23
H	2.2102	2.5943
S ² H	0.0022	0.002145
t	5.8269	
df	827.0582	
Crit	1.9628	
p	8.09E-09	
CI	0.0938	0.0926

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

Months	March 2017	March 2024
Total	44	254
Richness	8	20
H	1.1578	1.9787
S ² H	0.0352	0.007400
t	3.9773	
df	63.9556	
Crit	1.9983	
p	1.82E-04	
CI	0.3752	0.1720