

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		
2/04/2024	sunny	8:10	60	54	45	291	500
8/04/2024	sunny	8:23	61	64	46		
12/04/2024	sunny	8:23	57	56	55		
18/04/2024	sunny	9:10	54	53	50		
24/04/2024	sunny	9:21	55	52	51		
30/04/2024	sunny	8:22	52	50	55		
Min			45				
Max			64				
Average			54				

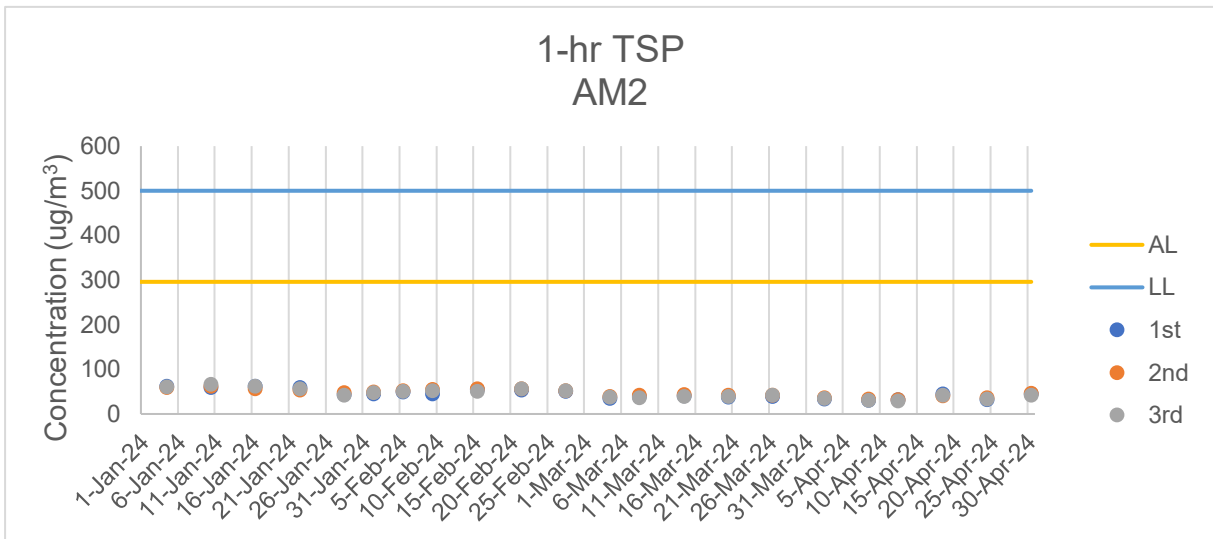
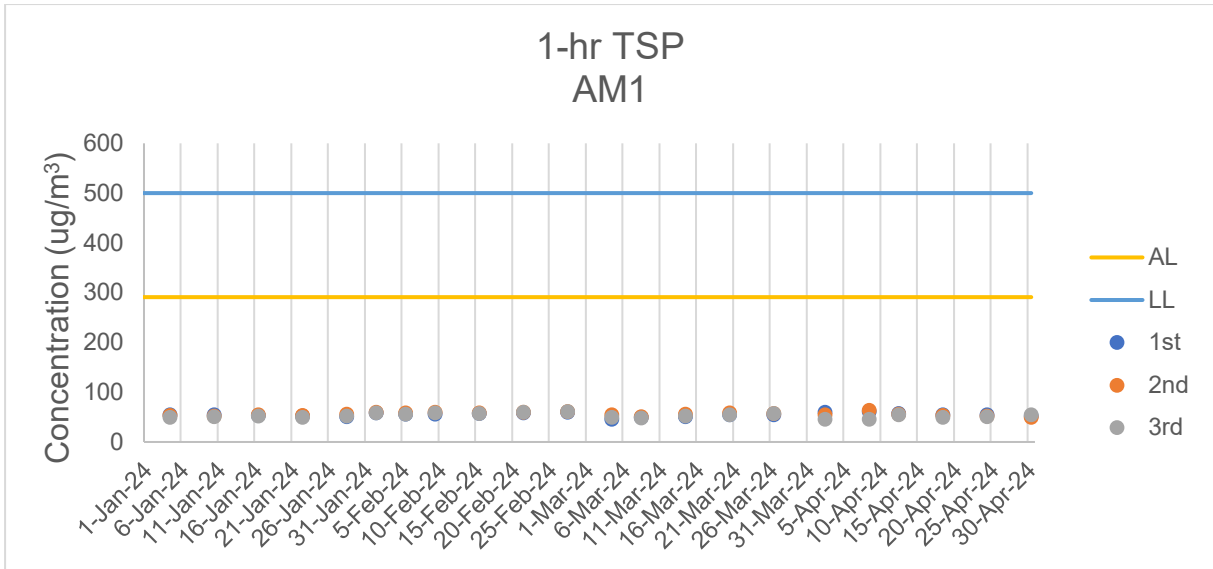
AM2 - Squatter house at the west of Yuen Long STW

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		
2/04/2024	sunny	13:01	34	36	35	296	500
8/04/2024	sunny	13:22	31	34	31		
12/04/2024	sunny	13:22	32	33	30		
18/04/2024	sunny	13:06	45	41	43		
24/04/2024	sunny	13:22	33	36	34		
30/04/2024	sunny	13:30	45	46	43		
Min			30				
Max			46				
Average			37				

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 _{oq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
2/04/2024	14:06	61.4	63.1	59.1	3.2	sunny	75
8/04/2024	14:27	61.8	63.2	58.3	2.6	sunny	75
18/04/2024	14:09	62.6	64.6	60.1	0.1	sunny	75
24/04/2024	14:31	63.5	65.2	61.4	1.8	sunny	75
30/04/2024	14:28	62.4	64.7	59.5	2.6	sunny	75
	Max	63.5					
	Min	61.4					

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)
2/04/2024	13:01	61.3	64.3	58.6	2.2	sunny	75
8/04/2024	13:22	59.3	61.3	58.3	1.4	sunny	75
18/04/2024	13:06	63.4	65.9	61.3	3.1	sunny	75
24/04/2024	13:22	63.1	66.1	61.4	2	sunny	75
30/04/2024	13:30	62.5	65.1	59.9	1.6	sunny	75
	Max	63.4					
	Min	59.3					

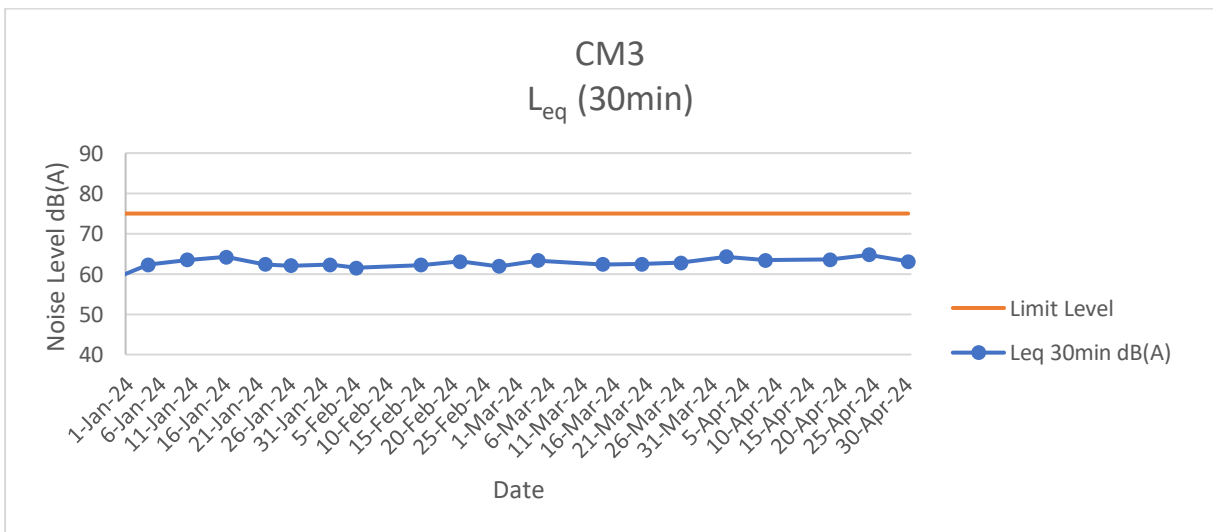
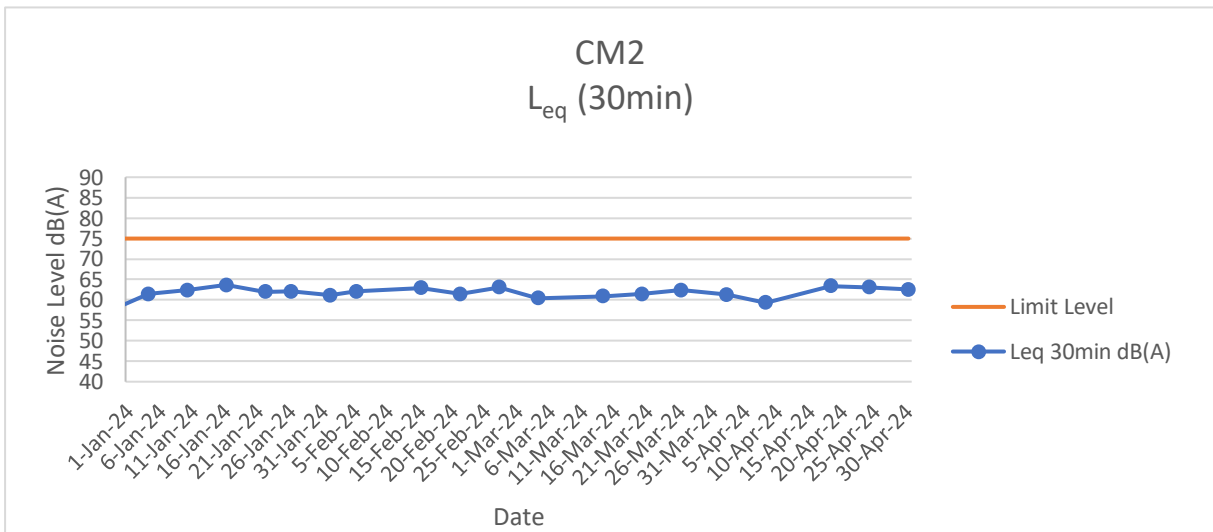
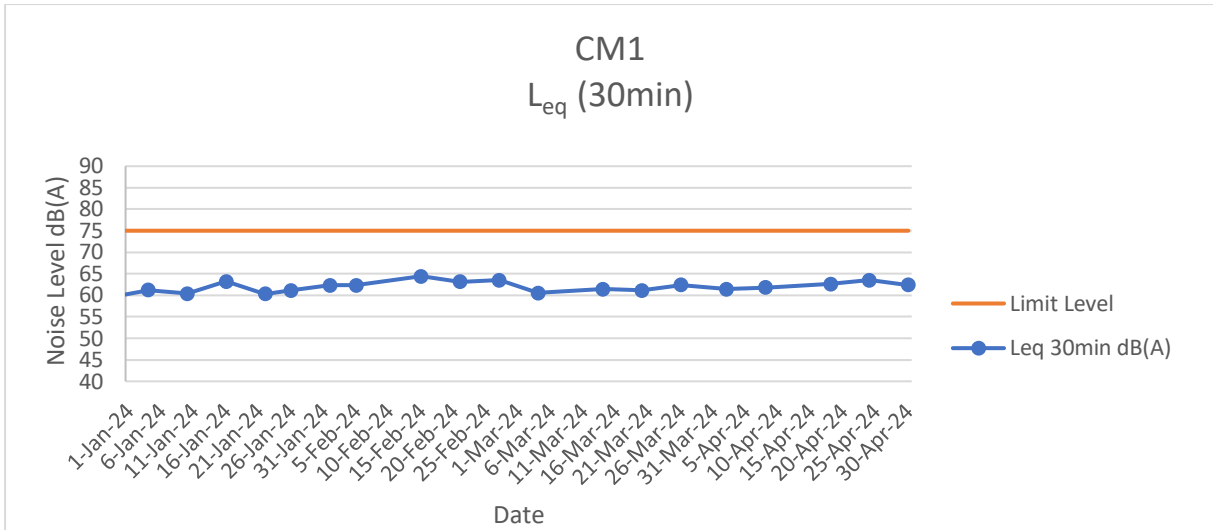
CM3 - Squatter house to the east of YLSTW

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)
2/04/2024	16:28	64.3	66.4	62.3	2.1	sunny	75
8/04/2024	16:47	63.4	64.3	60.2	3.5	sunny	75
18/04/2024	16:33	63.6	65.5	61.3	2.9	sunny	75
24/04/2024	16:54	64.8	66.5	62.3	1.1	sunny	75
30/04/2024	16:58	63.1	65.4	61.3	3.9	sunny	75
	Max	64.8					
	Min	63.1					

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	1/04/2024	Mid-Flood	Sunny	Low	17:37	2.8	M	1.20	1	0.091	172.831	7.15	7.14	3.68	3.72	24.9	24.95	47.3	47.68	3.56	3.59	26.85	26.72	37	35
M1	1/04/2024	Mid-Flood	Sunny	Low	17:38	2.8	M	1.20	2			7.13		3.75		25		48.0		3.61		26.58		33	
M2	1/04/2024	Mid-Flood	Sunny	Low	17:58	2.6	M	1.10	1	0.079	185.583	7.2	7.20	3.48	3.48	24.9	24.90	50.3	51.01	3.78	3.84	24.56	24.39	32	36
M2	1/04/2024	Mid-Flood	Sunny	Low	17:58	2.6	M	1.10	2			7.2		3.47		24.9		51.7		3.89		24.21		40	
M3	1/04/2024	Mid-Flood	Sunny	Low	18:11	2.3	M	1.05	1	0.093	186.032	7.17	7.17	3.77	3.80	24.9	24.90	49.1	49.74	3.69	3.74	36.74	36.78	49	43
M3	1/04/2024	Mid-Flood	Sunny	Low	18:12	2.3	M	1.05	2			7.16		3.83		24.9		50.4		3.79		36.81		37	
M1	1/04/2024	Mid-Ebb	Sunny	Low	10:33	2.6	M	1.20	1	0.078	330.841	7.12	7.12	3.36	3.35	25.1	25.10	43.6	44.22	3.28	3.33	27.11	27.27	35	41
M1	1/04/2024	Mid-Ebb	Sunny	Low	10:34	2.6	M	1.20	2			7.11		3.34		25.1		44.8		3.37		27.43		47	
M2	1/04/2024	Mid-Ebb	Sunny	Low	9:59	2.4	M	1.10	1	0.076	316.993	7.2	7.19	3.46	3.49	25.1	25.10	50.7	50.41	3.81	3.79	26.53	26.68	41	37
M2	1/04/2024	Mid-Ebb	Sunny	Low	10:00	2.4	M	1.10	2			7.18		3.52		25.1		50.1		3.77		26.83		32	
M3	1/04/2024	Mid-Ebb	Sunny	Low	10:47	2.1	M	1.00	1	0.06	317.373	7.13	7.13	3.89	3.86	25.1	25.15	48.4	49.01	3.64	3.69	34.48	34.52	24	25
M3	1/04/2024	Mid-Ebb	Sunny	Low	10:47	2.1	M	1.00	2			7.12		3.83		25.2		49.6		3.73		34.55		25	

Remark

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

For Flood Tide

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

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	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	3/04/2024	Mid-Flood	Sunny	Low	16:49	2.6	M	1.20	1	0.08	163.828	7.14	7.15	4.33	4.37	26.1	26.10	48.7	48.28	3.66	3.63	25.88	25.88	9	10
M1	3/04/2024	Mid-Flood	Sunny	Low	16:50	2.6	M	1.20	2			7.16	7.15	4.41	4.37	26.1	26.10	47.9	48.28	3.6	3.63	25.87	25.88	11	10
M2	3/04/2024	Mid-Flood	Sunny	Low	17:28	2.4	M	1.10	1	0.086	170.312	7.12	7.11	4.43	4.47	26.1	26.10	46.7	46.95	3.51	3.53	27.89	27.85	10	11
M2	3/04/2024	Mid-Flood	Sunny	Low	17:29	2.4	M	1.10	2			7.1	7.11	4.51	4.47	26.1	26.10	47.2	46.95	3.55	3.53	27.81	27.85	12	11
M3	3/04/2024	Mid-Flood	Sunny	Low	17:36	2.2	M	1.05	1	0.077	178.435	7.15	7.16	4.44	4.45	26.1	26.15	52.8	51.94	3.97	3.91	37.55	37.68	12	11
M3	3/04/2024	Mid-Flood	Sunny	Low	17:36	2.2	M	1.05	2			7.16	7.16	4.46	4.45	26.2	26.15	51.1	51.94	3.84	3.91	37.8	37.68	10	11
M1	3/04/2024	Mid-Ebb	Sunny	Low	8:36	2.5	M	1.20	1	0.074	308.616	7.19	7.20	4.32	4.32	26.3	26.30	41.6	40.90	3.13	3.08	26.79	26.83	12	13
M1	3/04/2024	Mid-Ebb	Sunny	Low	8:37	2.5	M	1.20	2			7.2	7.20	4.31	4.32	26.3	26.30	40.2	40.90	3.02	3.08	26.86	26.83	13	13
M2	3/04/2024	Mid-Ebb	Sunny	Low	8:00	2.1	M	1.10	1	0.077	317.833	7.15	7.14	4.35	4.31	26.3	26.35	42.8	43.49	3.22	3.27	28.15	28.12	14	14
M2	3/04/2024	Mid-Ebb	Sunny	Low	8:01	2.1	M	1.10	2			7.13	7.14	4.27	4.31	26.4	26.35	44.2	43.49	3.32	3.27	28.08	28.12	13	14
M3	3/04/2024	Mid-Ebb	Sunny	Low	8:45	2	M	1.00	1	0.066	312.697	7.11	7.11	4.57	4.55	26.3	26.35	50.3	49.94	3.78	3.76	36.61	36.56	20	19
M3	3/04/2024	Mid-Ebb	Sunny	Low	8:45	2	M	1.00	2			7.11	7.11	4.53	4.55	26.4	26.35	49.6	49.94	3.73	3.76	36.51	36.56	17	19

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	5/04/2024	Mid-Flood	Cloudy	Low	11:25	2.6	M	1.20	1	0.077	170.074	7.18	7.18	4.45	4.45	26.5	26.55	38.4	38.04	2.89	2.86	24.58	24.38	6	5
M1	5/04/2024	Mid-Flood	Cloudy	Low	11:26	2.6	M	1.20	2			7.17		4.45		26.6		37.6		2.83		24.18		3	
M2	5/04/2024	Mid-Flood	Cloudy	Low	11:55	2.2	M	1.10	1	0.074	169.507	7.2	7.21	4.67	4.70	26.5	26.50	39.1	39.70	2.94	2.99	27.83	28.01	5	5
M2	5/04/2024	Mid-Flood	Cloudy	Low	11:55	2.2	M	1.10	2			7.22		4.73		26.5		40.3		3.03		28.18		5	
M3	5/04/2024	Mid-Flood	Cloudy	Low	12:07	1.9	M	1.05	1	0.091	162.641	7.18	7.19	4.94	4.92	26.5	26.55	49.5	48.48	3.72	3.65	35.40	35.39	7	9
M3	5/04/2024	Mid-Flood	Cloudy	Low	12:08	1.9	M	1.05	2			7.19		4.89		26.6		47.5		3.57		35.38		11	
M1	5/04/2024	Mid-Ebb	Cloudy	Low	16:53	2.5	M	1.20	1	0.063	319.2	7.2	7.21	4.55	4.58	26.8	26.80	42.0	41.56	3.16	3.13	26.70	26.67	12	10
M1	5/04/2024	Mid-Ebb	Cloudy	Low	16:53	2.5	M	1.20	2			7.22		4.6		26.8		41.1		3.09		26.64		7	
M2	5/04/2024	Mid-Ebb	Cloudy	Low	16:20	2.1	M	1.10	1	0.066	318.222	7.17	7.18	4.82	4.82	26.8	26.85	42.7	43.42	3.21	3.27	27.80	27.60	5	7
M2	5/04/2024	Mid-Ebb	Cloudy	Low	16:21	2.1	M	1.10	2			7.19		4.81		26.9		44.2		3.32		27.39		8	
M3	5/04/2024	Mid-Ebb	Cloudy	Low	16:58	1.8	M	1.00	1	0.07	330.685	7.2	7.21	5.19	5.17	26.8	26.80	51.7	52.34	3.89	3.94	36.93	36.90	6	7
M3	5/04/2024	Mid-Ebb	Cloudy	Low	16:58	1.8	M	1.00	2			7.21		5.15		26.8		52.9		3.98		36.86		8	

Remark

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

For Flood Tide

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

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	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	8/04/2024	Mid-Flood	Cloudy	Low	13:09	2.5	M	1.20	1	0.082	185.706	7.18	7.19	3.35	3.35	27.6	27.65	34.7	35.44	2.61	2.66	21.55	21.65	13	14
M1	8/04/2024	Mid-Flood	Cloudy	Low	13:10	2.5	M	1.20	2			7.2		3.35		27.7		36.2		2.7		21.74		15	
M2	8/04/2024	Mid-Flood	Cloudy	Low	13:45	2.3	M	1.10	1	0.074	172.075	7.19	7.20	3.44	3.44	27.6	27.65	36.3	37.04	2.73	2.69	20.69	20.83	13	14
M2	8/04/2024	Mid-Flood	Cloudy	Low	13:45	2.3	M	1.10	2			7.21		3.43		27.7		37.8		2.65		20.96		15	
M3	8/04/2024	Mid-Flood	Cloudy	Low	13:52	2.1	M	1.05	1	0.092	169.482	7.2	7.21	3.49	3.45	27.6	27.60	46.0	45.42	3.46	3.45	31.60	31.56	28	27
M3	8/04/2024	Mid-Flood	Cloudy	Low	13:53	2.1	M	1.05	2			7.22		3.41		27.6		44.8		3.44		31.52		26	
M1	8/04/2024	Mid-Ebb	Cloudy	Low	17:51	2.4	M	1.20	1	0.077	317.014	7.15	7.15	3.74	3.71	27.5	27.50	33.9	34.31	2.55	2.59	20.69	20.62	21	20
M1	8/04/2024	Mid-Ebb	Cloudy	Low	17:51	2.4	M	1.20	2			7.14		3.68		27.5		34.7		2.62		20.55		18	
M2	8/04/2024	Mid-Ebb	Cloudy	Low	17:18	2.1	M	1.10	1	0.074	320.301	7.16	7.17	3.69	3.66	27.5	27.50	33.0	32.59	2.48	2.50	20.45	20.53	18	19
M2	8/04/2024	Mid-Ebb	Cloudy	Low	17:19	2.1	M	1.10	2			7.18		3.63		27.5		32.2		2.52		20.61		20	
M3	8/04/2024	Mid-Ebb	Cloudy	Low	18:01	1.8	M	1.00	1	0.068	335.639	7.18	7.18	3.76	3.81	27.5	27.50	49.3	49.94	3.71	3.67	32.40	32.19	18	14
M3	8/04/2024	Mid-Ebb	Cloudy	Low	18:01	1.8	M	1.00	2			7.17		3.85		27.5		50.5		3.62		31.97		10	

Remark

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

For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	10/04/2024	Mid-Flood	Cloudy	Low	14:19	2.5	M	1.20	1	0.076	163.207	7.2	7.19	4.94	4.95	26.5	26.55	34.3	34.05	2.58	2.56	26.75	26.73	0	
M1	10/04/2024	Mid-Flood	Cloudy	Low	14:19	2.5	M	1.20	2			7.18		4.95		26.6		33.8		2.54		26.7			
M2	10/04/2024	Mid-Flood	Cloudy	Low	14:51	2.1	M	1.10	1	0.079	168.416	7.12	7.11	5.03	5.03	26.5	26.50	32.2	31.32	2.42	2.36	25.65	25.45	0	
M2	10/04/2024	Mid-Flood	Cloudy	Low	14:52	2.1	M	1.10	2			7.1		5.02		26.5		30.5		2.29		25.24			
M3	10/04/2024	Mid-Flood	Cloudy	Low	14:59	1.8	M	1.05	1	0.091	181.993	7.23	7.23	5.43	5.40	26.5	26.50	48.1	47.28	3.62	3.56	36.78	36.64	0	
M3	10/04/2024	Mid-Flood	Cloudy	Low	15:00	1.8	M	1.05	2			7.22		5.36		26.5		46.4		3.49		36.49			
M1	10/04/2024	Mid-Ebb	Cloudy	Low	8:36	2.4	M	1.20	1	0.07	304.66	7.21	7.22	4.81	4.86	26.3	26.35	36.0	35.78	2.71	2.69	25.60	25.64	0	
M1	10/04/2024	Mid-Ebb	Cloudy	Low	8:37	2.4	M	1.20	2			7.23		4.9		26.4		35.5		2.67		25.68			
M2	10/04/2024	Mid-Ebb	Cloudy	Low	8:00	2	M	1.10	1	0.081	307.985	7.23	7.22	4.70	4.74	26.3	26.30	35.5	36.24	2.67	2.73	26.72	26.57	0	
M2	10/04/2024	Mid-Ebb	Cloudy	Low	8:00	2	M	1.10	2			7.21		4.78		26.3		37.0		2.78		26.42			
M3	10/04/2024	Mid-Ebb	Cloudy	Low	8:51	1.8	M	1.00	1	0.071	330.066	7.21	7.21	5.29	5.26	26.3	26.35	48.1	47.95	3.62	3.61	38.11	38.15	0	
M3	10/04/2024	Mid-Ebb	Cloudy	Low	8:51	1.8	M	1.00	2			7.2		5.22		26.4		47.7		3.59		38.18			

Remark

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

For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	12/04/2024	Mid-Flood	Cloudy	Low	15:33	2.4	M	1.20	1	0.089	170.697	7.14	7.14	3.69	3.67	25.5	25.55	41.4	41.03	3.11	3.09	20.45	20.36	53	50
M1	12/04/2024	Mid-Flood	Cloudy	Low	15:34	2.4	M	1.20	2			7.13		3.64		25.6		40.7		3.06		20.27		46	
M2	12/04/2024	Mid-Flood	Cloudy	Low	15:59	2.1	M	1.10	1	0.087	164.007	7.11	7.11	3.82	3.86	25.5	25.50	42.0	41.03	3.16	3.09	21.15	21.27	54	63
M2	12/04/2024	Mid-Flood	Cloudy	Low	15:59	2.1	M	1.10	2			7.11		3.9		25.5		40.0		3.01		21.38		71	
M3	12/04/2024	Mid-Flood	Cloudy	Low	16:08	1.9	M	1.05	1	0.089	190.491	7.19	7.19	4.03	4.00	25.5	25.50	50.0	50.61	3.76	3.81	30.68	30.83	60	60
M3	12/04/2024	Mid-Flood	Cloudy	Low	16:08	1.9	M	1.05	2			7.19		3.96		25.5		51.2		3.85		30.97		60	
M1	12/04/2024	Mid-Ebb	Cloudy	Low	9:13	2.3	M	1.20	1	0.071	323.022	7.13	7.13	3.45	3.48	25.3	25.30	37.0	36.84	2.78	2.77	22.22	22.15	49	56
M1	12/04/2024	Mid-Ebb	Cloudy	Low	9:13	2.3	M	1.20	2			7.12		3.51		25.3		36.7		2.76		22.08		62	
M2	12/04/2024	Mid-Ebb	Cloudy	Low	8:40	2	M	1.10	1	0.076	337.25	7.13	7.13	3.38	3.35	25.3	25.35	38.4	39.04	2.89	2.94	23.36	23.22	66	68
M2	12/04/2024	Mid-Ebb	Cloudy	Low	8:41	2	M	1.10	2			7.13		3.32		25.4		39.6		2.98		23.08		70	
M3	12/04/2024	Mid-Ebb	Cloudy	Low	9:21	1.8	M	1.00	1	0.072	308.772	7.11	7.12	3.69	3.65	25.3	25.30	48.1	48.21	3.62	3.63	31.78	31.83	43	43
M3	12/04/2024	Mid-Ebb	Cloudy	Low	9:21	1.8	M	1.00	2			7.12		3.61		25.3		48.3		3.63		31.88		42	

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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	66.3	71.825

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	15/04/2024	Mid-Flood	Cloudy	Low	17:52	2.6	M	1.20	1	0.077	176.973	7.2	7.21	3.13	3.16	27.1	27.15	35.0	34.05	2.63	2.56	28.10	28.22	38	40
M1	15/04/2024	Mid-Flood	Cloudy	Low	17:53	2.6	M	1.20	2			7.21		3.19		27.2		33.1		2.49		28.34		42	
M2	15/04/2024	Mid-Flood	Cloudy	Low	18:25	2.1	M	1.10	1	0.092	184.71	7.18	7.18	3.32	3.32	27.1	27.15	37.6	37.44	2.83	2.82	28.36	28.54	35	47
M2	15/04/2024	Mid-Flood	Cloudy	Low	18:25	2.1	M	1.10	2			7.17		3.32		27.2		37.2		2.8		28.71		59	
M3	15/04/2024	Mid-Flood	Cloudy	Low	18:31	1.9	M	1.05	1	0.079	168.45	7.16	7.17	3.49	3.50	27.1	27.10	48.9	48.94	3.68	3.68	37.80	37.92	33	32
M3	15/04/2024	Mid-Flood	Cloudy	Low	18:31	1.9	M	1.05	2			7.18		3.5		27.1		48.9		3.68		38.03		31	
M1	15/04/2024	Mid-Ebb	Cloudy	Low	10:16	2.5	M	1.20	1	0.067	324.764	7.15	7.16	3.21	3.22	27.3	27.35	36.7	36.58	2.76	2.75	26.89	26.96	35	33
M1	15/04/2024	Mid-Ebb	Cloudy	Low	10:17	2.5	M	1.20	2			7.16		3.23		27.4		36.4		2.74		27.02		30	
M2	15/04/2024	Mid-Ebb	Cloudy	Low	9:43	2	M	1.10	1	0.081	330.427	7.18	7.19	3.44	3.45	27.3	27.30	33.5	33.85	2.52	2.55	27.11	26.91	37	36
M2	15/04/2024	Mid-Ebb	Cloudy	Low	9:43	2	M	1.10	2			7.2		3.46		27.3		34.2		2.57		26.7		34	
M3	15/04/2024	Mid-Ebb	Cloudy	Low	10:24	1.8	M	1.00	1	0.078	341.268	7.2	7.19	3.50	3.46	27.3	27.30	50.1	49.21	3.77	3.70	38.74	38.80	30	26
M3	15/04/2024	Mid-Ebb	Cloudy	Low	10:24	1.8	M	1.00	2			7.18		3.42		27.3		48.3		3.63		38.85		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	17/04/2024	Mid-Flood	Cloudy	Low	17:38	2.5	M	1.20	1	0.088	184.699	7.14	7.15	2.68	2.69	27.7	27.75	37.4	36.64	2.81	2.82	26.88	26.97	24	25
M1	17/04/2024	Mid-Flood	Cloudy	Low	17:38	2.5	M	1.20	2			7.16	7.11	2.69	2.69	27.8	27.70	35.9	35.64	2.82	2.82	27.05	26.97	26	25
M2	17/04/2024	Mid-Flood	Cloudy	Low	17:59	2.1	M	1.10	1	0.079	186.981	7.12	7.11	2.79	2.81	27.7	27.70	35.8	35.64	2.69	2.66	25.53	25.66	42	34
M2	17/04/2024	Mid-Flood	Cloudy	Low	18:00	2.1	M	1.10	2			7.1	7.11	2.83	2.81	27.7	27.70	35.5	35.64	2.63	2.66	25.78	25.66	26	34
M3	17/04/2024	Mid-Flood	Cloudy	Low	18:11	1.9	M	1.05	1	0.078	168.784	7.12	7.13	3.11	3.11	27.7	27.70	48.8	49.54	3.67	3.71	37.80	37.73	24	27
M3	17/04/2024	Mid-Flood	Cloudy	Low	18:11	1.9	M	1.05	2			7.14	7.13	3.11	3.11	27.7	27.70	50.3	49.54	3.75	3.71	37.66	37.73	30	27
M1	17/04/2024	Mid-Ebb	Cloudy	Low	8:57	2.4	M	1.20	1	0.071	315.756	7.16	7.15	2.81	2.86	27.5	27.55	38.7	39.10	2.91	2.87	27.64	27.43	30	31
M1	17/04/2024	Mid-Ebb	Cloudy	Low	8:57	2.4	M	1.20	2			7.14	7.15	2.9	2.86	27.6	27.55	39.5	39.10	2.83	2.87	27.22	27.43	32	31
M2	17/04/2024	Mid-Ebb	Cloudy	Low	8:27	2	M	1.10	1	0.08	337.116	7.16	7.15	2.99	2.99	27.5	27.55	39.2	39.24	2.95	2.94	28.11	28.29	28	29
M2	17/04/2024	Mid-Ebb	Cloudy	Low	8:28	2	M	1.10	2			7.14	7.15	2.99	2.99	27.6	27.55	39.2	39.24	2.93	2.94	28.46	28.29	30	29
M3	17/04/2024	Mid-Ebb	Cloudy	Low	9:03	1.8	M	1.00	1	0.079	331.513	7.14	7.15	3.16	3.20	27.5	27.55	50.4	50.21	3.79	3.77	36.42	36.41	20	17
M3	17/04/2024	Mid-Ebb	Cloudy	Low	9:04	1.8	M	1.00	2			7.15	7.15	3.24	3.20	27.6	27.55	50.0	50.21	3.74	3.77	36.39	36.41	14	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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	19/04/2024	Mid-Flood	Cloudy	Low	11:23	2.5	M	1.20	1	0.076	181.106	7.25	7.26	4.68	4.71	27.1	27.15	41.4	40.63	3.11	3.16	25.88	26.00	17	17
M1	19/04/2024	Mid-Flood	Cloudy	Low	11:24	2.5	M	1.20	2			7.27		4.74		27.2		39.9		3.2		26.11		16	
M2	19/04/2024	Mid-Flood	Cloudy	Low	11:57	2.1	M	1.10	1	0.092	183.094	7.22	7.22	4.35	4.37	27.1	27.10	42.0	41.23	3.16	3.18	26.10	25.91	24	28
M2	19/04/2024	Mid-Flood	Cloudy	Low	11:58	2.1	M	1.10	2			7.21		4.39		27.1		40.4		3.19		25.71		31	
M3	19/04/2024	Mid-Flood	Cloudy	Low	12:04	2	M	1.05	1	0.082	163.068	7.26	7.26	5.08	5.13	27.1	27.10	48.7	47.81	3.66	3.59	36.55	36.49	20	20
M3	19/04/2024	Mid-Flood	Cloudy	Low	12:04	2	M	1.05	2			7.25		5.17		27.1		46.9		3.52		36.42		19	
M1	19/04/2024	Mid-Ebb	Cloudy	Low	17:03	2.4	M	1.20	1	0.073	344.1	7.26	7.26	4.71	4.75	26.8	26.85	42.2	41.56	3.17	3.17	24.77	24.79	24	27
M1	19/04/2024	Mid-Ebb	Cloudy	Low	17:04	2.4	M	1.20	2			7.25		4.78		26.9		41.0		3.17		24.81		29	
M2	19/04/2024	Mid-Ebb	Cloudy	Low	16:31	2	M	1.10	1	0.072	333.25	7.23	7.22	4.85	4.89	26.8	26.85	40.6	40.43	3.05	3.08	24.15	24.16	21	24
M2	19/04/2024	Mid-Ebb	Cloudy	Low	16:31	2	M	1.10	2			7.21		4.93		26.9		40.3		3.11		24.16		26	
M3	19/04/2024	Mid-Ebb	Cloudy	Low	16:45	1.8	M	1.00	1	0.066	326.871	7.28	7.29	5.12	5.10	26.8	26.85	49.9	49.88	3.75	3.70	37.88	38.01	19	16
M3	19/04/2024	Mid-Ebb	Cloudy	Low	16:45	1.8	M	1.00	2			7.29		5.08		26.9		49.9		3.65		38.14		13	

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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	22/04/2024	Mid-Flood	Cloudy	Low	12:32	2.8	M	1.20	1	0.084	181.798	7.11	7.10	2.34	2.33	28.9	28.90	34.2	33.25	2.57	2.50	36.63	36.62	34	38
M1	22/04/2024	Mid-Flood	Cloudy	Low	12:32	2.8	M	1.20	2			7.09		2.31		28.9		32.3		2.43		36.61		41	
M2	22/04/2024	Mid-Flood	Cloudy	Low	13:01	2.3	M	1.10	1	0.093	162.654	7.18	7.18	2.40	2.38	28.9	28.95	36.7	35.84	2.76	2.70	36.89	36.84	38	39
M2	22/04/2024	Mid-Flood	Cloudy	Low	13:01	2.3	M	1.10	2			7.18		2.36		29		35.0		2.63		36.79		40	
M3	22/04/2024	Mid-Flood	Cloudy	Low	13:18	2.1	M	1.05	1	0.085	190.894	7.19	7.18	2.32	2.34	28.9	28.95	50.1	50.65	3.77	3.81	36.77	36.89	43	39
M3	22/04/2024	Mid-Flood	Cloudy	Low	16:19	2.1	M	1.05	2			7.17		2.36		29		51.2		3.85		37.01		35	
M1	22/04/2024	Mid-Ebb	Cloudy	Low	17:11	2.6	M	1.20	1	0.071	317.805	7.19	7.19	2.35	2.35	28.7	28.75	33.6	33.58	2.53	2.53	36.62	36.53	40	41
M1	22/04/2024	Mid-Ebb	Cloudy	Low	17:12	2.6	M	1.20	2			7.19		2.34		28.8		33.5		2.52		36.44		42	
M2	22/04/2024	Mid-Ebb	Cloudy	Low	16:46	2.4	M	1.10	1	0.06	335.934	7.19	7.20	2.49	2.54	28.7	28.75	36.2	35.25	2.72	2.65	36.54	36.33	34	39
M2	22/04/2024	Mid-Ebb	Cloudy	Low	16:46	2.4	M	1.10	2			7.2		2.58		28.8		34.3		2.58		36.12		43	
M3	22/04/2024	Mid-Ebb	Cloudy	Low	17:22	2	M	1.00	1	0.059	315.648	7.17	7.18	2.41	2.40	28.7	28.70	48.8	49.55	3.67	3.73	36.75	36.81	30	28
M3	22/04/2024	Mid-Ebb	Cloudy	Low	17:22	2	M	1.00	2			7.19		2.39		28.7		50.3		3.78		36.86		25	

Remark

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

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.9	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	24/04/2024	Mid-Flood	Cloudy	Low	13:29	2.7	M	1.20	1	0.087	189.481	7.31	7.32	3.60	3.62	26.5	26.50	38.3	38.30	2.88	2.89	18.58	18.71	64	66
M1	24/04/2024	Mid-Flood	Cloudy	Low	13:30	2.7	M	1.20	2			7.33		3.64		26.5		38.3		2.89		18.84		67	
M2	24/04/2024	Mid-Flood	Cloudy	Low	14:04	2.3	M	1.10	1	0.094	176.021	7.28	7.28	3.75	3.79	26.5	26.55	37.1	36.24	2.79	2.82	18.43	18.26	67	60
M2	24/04/2024	Mid-Flood	Cloudy	Low	14:05	2.3	M	1.10	2			7.28		3.82		26.6		35.4		2.85		18.08		53	
M3	24/04/2024	Mid-Flood	Cloudy	Low	14:13	2	M	1.05	1	0.081	187.576	7.29	7.28	4.05	4.10	26.5	26.55	49.7	50.21	3.74	3.74	31.45	31.40	62	55
M3	24/04/2024	Mid-Flood	Cloudy	Low	14:13	2	M	1.05	2			7.27		4.14		26.6		50.7		3.74		31.34		47	
M1	24/04/2024	Mid-Ebb	Cloudy	Low	18:39	2.6	M	1.20	1	0.067	307.499	7.25	7.26	3.68	3.71	26.7	26.75	35.4	35.84	2.66	2.64	19.11	19.28	45	43
M1	24/04/2024	Mid-Ebb	Cloudy	Low	18:39	2.6	M	1.20	2			7.26		3.74		26.8		36.3		2.61		19.44		41	
M2	24/04/2024	Mid-Ebb	Cloudy	Low	18:06	2.1	M	1.10	1	0.069	331.942	7.28	7.27	3.81	3.86	26.7	26.70	35.8	35.84	2.69	2.68	19.31	19.42	49	45
M2	24/04/2024	Mid-Ebb	Cloudy	Low	18:06	2.1	M	1.10	2			7.26		3.9		26.7		35.9		2.67		19.52		41	
M3	24/04/2024	Mid-Ebb	Cloudy	Low	18:33	1.8	M	1.00	1	0.076	325.045	7.32	7.31	4.17	4.14	26.7	26.75	48.7	48.41	3.66	3.65	32.68	32.60	38	39
M3	24/04/2024	Mid-Ebb	Cloudy	Low	18:33	1.8	M	1.00	2			7.3		4.1		26.8		48.1		3.64		32.51		39	

Remark

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5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.
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For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	26/04/2024	Mid-Flood	Cloudy	Low	14:33	2.7	M	1.35	1	0.083	184.309	7.23	7.23	2.80	2.81	25.5	25.55	39.2	39.30	2.95	2.89	18.51	18.44	47	50
M1	26/04/2024	Mid-Flood	Cloudy	Low	14:33	2.7	M	1.35	2			7.22		2.82		25.6		39.4		2.82		18.37			
M2	26/04/2024	Mid-Flood	Cloudy	Low	15:06	2.4	M	1.20	1	0.091	185.259	7.17	7.18	3.07	3.12	25.5	25.55	40.7	40.43	3.06	3.03	17.66	17.45	53	58
M2	26/04/2024	Mid-Flood	Cloudy	Low	15:07	2.4	M	1.20	2			7.19		3.16		25.6		40.2		2.99		17.24			
M3	26/04/2024	Mid-Flood	Cloudy	Low	15:16	2.1	M	1.05	1	0.093	173.281	7.21	7.21	3.37	3.40	25.5	25.55	52.8	52.20	3.97	3.98	29.58	29.72	75	73
M3	26/04/2024	Mid-Flood	Cloudy	Low	15:17	2.1	M	1.05	2			7.21		3.42		25.6		51.6		3.99		29.85			
M1	26/04/2024	Mid-Ebb	Cloudy	Low	8:43	2.6	M	1.30	1	0.07	333.867	7.26	7.25	2.75	2.76	25.6	25.65	41.1	41.03	3.09	3.03	16.82	16.67	55	56
M1	26/04/2024	Mid-Ebb	Cloudy	Low	8:44	2.6	M	1.30	2			7.24		2.76		25.7		41.0		2.97		16.52			
M2	26/04/2024	Mid-Ebb	Cloudy	Low	8:00	2.3	M	1.15	1	0.078	344.685	7.25	7.25	2.73	2.74	25.6	25.60	41.5	40.63	3.12	3.11	17.11	17.19	70	66
M2	26/04/2024	Mid-Ebb	Cloudy	Low	8:01	2.3	M	1.15	2			7.24		2.75		25.6		39.8		3.1		17.26			
M3	26/04/2024	Mid-Ebb	Cloudy	Low	8:49	2	M	1.00	1	0.068	345.103	7.29	7.28	3.69	3.69	25.6	25.60	53.7	53.00	4.04	4.06	30.76	30.67	65	63
M3	26/04/2024	Mid-Ebb	Cloudy	Low	8:50	2	M	1.00	2			7.27		3.69		25.6		52.3		4.08		30.57			

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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	77.1	83.525

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	29/04/2024	Mid-Flood	Cloudy	Low	14:14	2.8	M	1.20	1	0.092	186.817	7.25	7.26	2.85	2.89	26.8	26.80	38.0	37.71	2.86	2.84	28.11	28.16	13	16
M1	29/04/2024	Mid-Flood	Cloudy	Low	14:15	2.8	M	1.20	2			7.26		2.92		26.8		37.4		2.81		28.21			
M2	29/04/2024	Mid-Flood	Cloudy	Low	14:49	2.5	M	1.10	1	0.088	188.448	7.22	7.23	2.95	2.92	26.8	26.85	38.4	38.77	2.89	2.92	27.55	27.63	18	18
M2	29/04/2024	Mid-Flood	Cloudy	Low	14:50	2.5	M	1.10	2			7.24		2.89		26.9		39.1		2.94		27.71			
M3	29/04/2024	Mid-Flood	Cloudy	Low	14:58	2.2	M	1.05	1	0.084	171.946	7.23	7.23	3.44	3.40	26.8	26.85	49.2	49.88	3.7	3.75	37.77	37.73	26	27
M3	29/04/2024	Mid-Flood	Cloudy	Low	14:59	2.2	M	1.05	2			7.23		3.36		26.9		50.5		3.8		37.68			
M1	29/04/2024	Mid-Ebb	Cloudy	Low	8:38	2.6	M	1.20	1	0.064	324.429	7.27	7.26	3.05	3.06	26.9	26.95	36.3	35.71	2.73	2.69	27.92	27.92	28	27
M1	29/04/2024	Mid-Ebb	Cloudy	Low	8:39	2.6	M	1.20	2			7.25		3.07		27.0		35.1		2.64		27.92			
M2	29/04/2024	Mid-Ebb	Cloudy	Low	8:00	2.4	M	1.10	1	0.06	337.218	7.25	7.24	2.92	2.88	26.9	26.90	35.4	35.38	2.66	2.66	26.90	26.97	20	25
M2	29/04/2024	Mid-Ebb	Cloudy	Low	8:01	2.4	M	1.10	2			7.23		2.84		26.9		35.4		2.66		27.03			
M3	29/04/2024	Mid-Ebb	Cloudy	Low	8:51	2.1	M	1.00	1	0.066	339.532	7.26	7.27	3.32	3.34	26.9	26.95	51.2	51.60	3.85	3.88	36.83	36.78	20	17
M3	29/04/2024	Mid-Ebb	Cloudy	Low	8:51	2.1	M	1.00	2			7.28		3.36		27.0		52.0		3.91		36.73			

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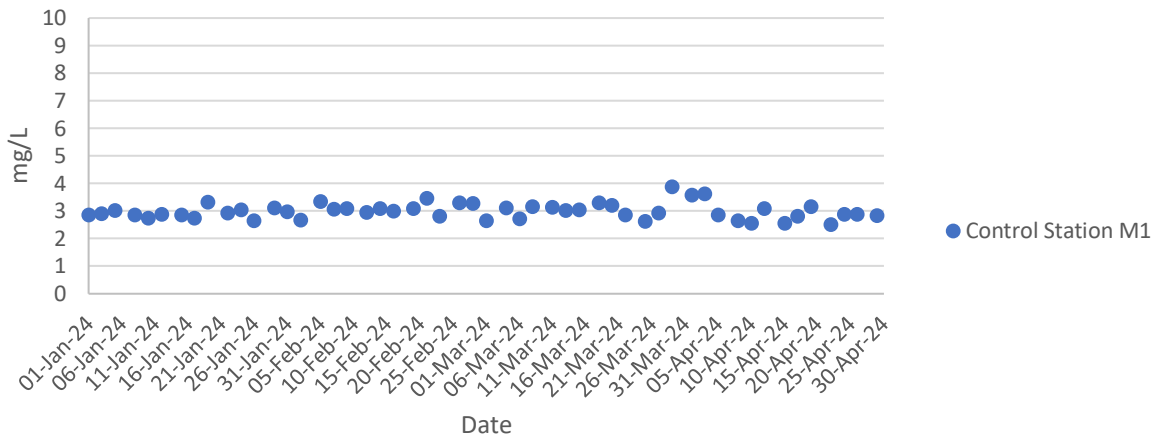
For Flood Tide

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

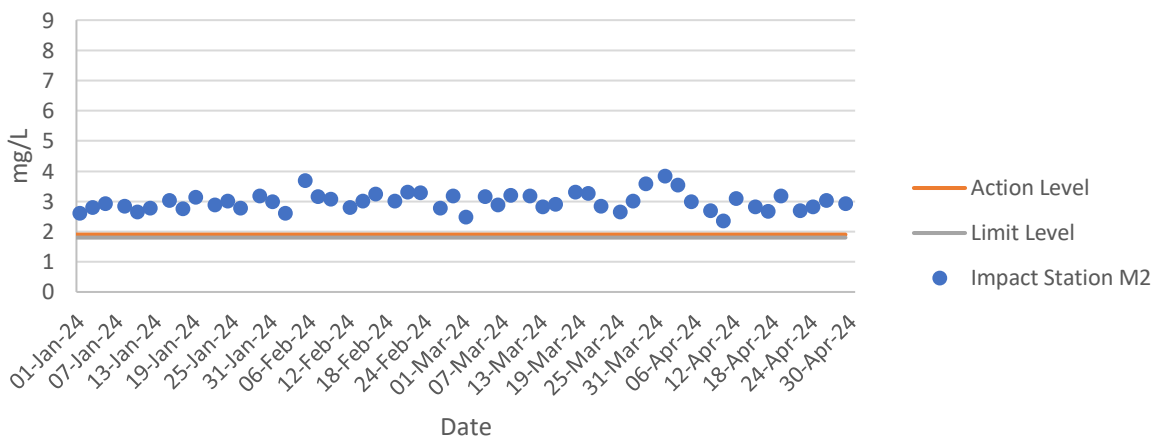
For Ebb Tide

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

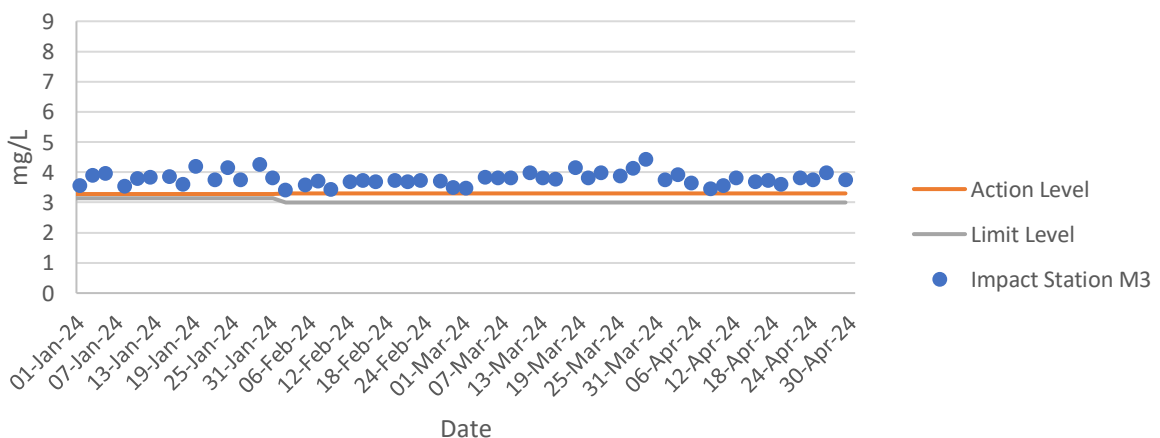
Dissolved Oxygen at Mid-Flood Tide



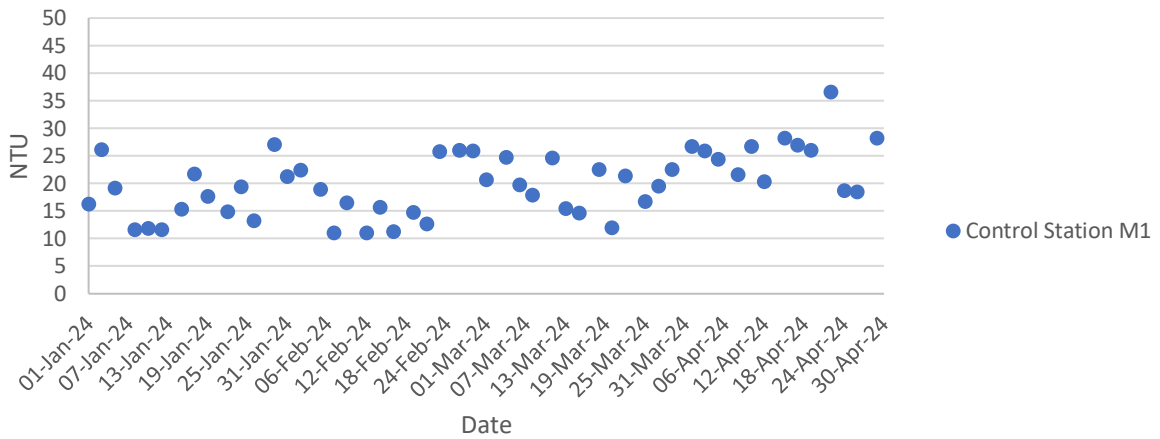
Dissolved Oxygen at Mid-Flood Tide



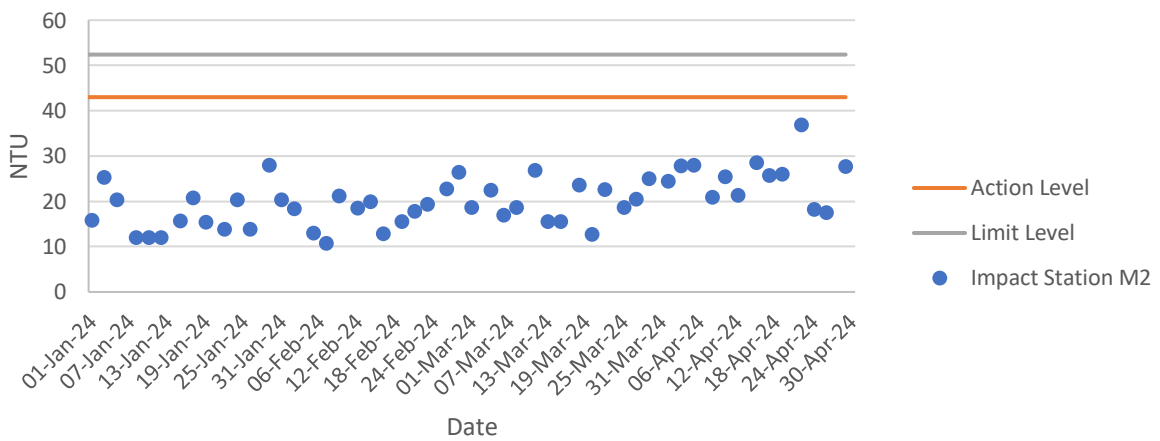
Dissolved Oxygen at Mid-Flood Tide



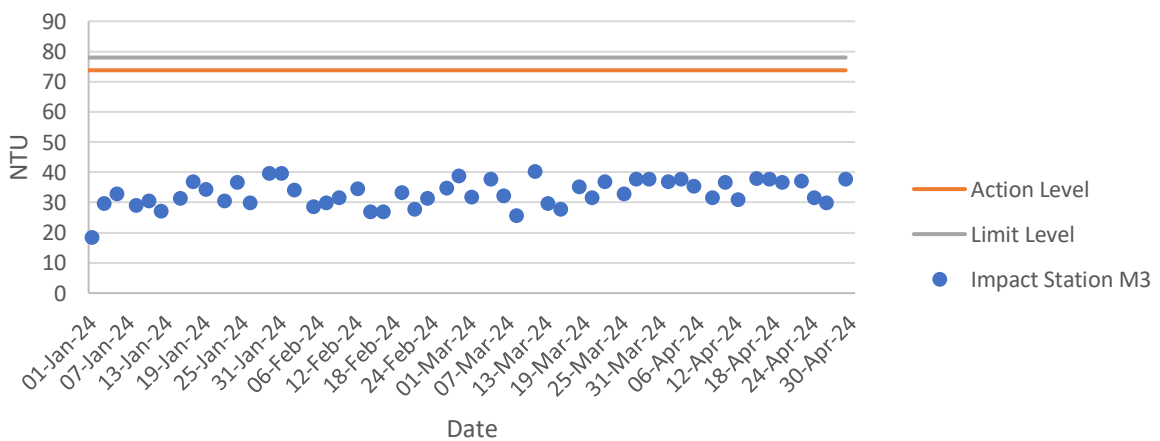
Turbidity at Mid-Flood Tide



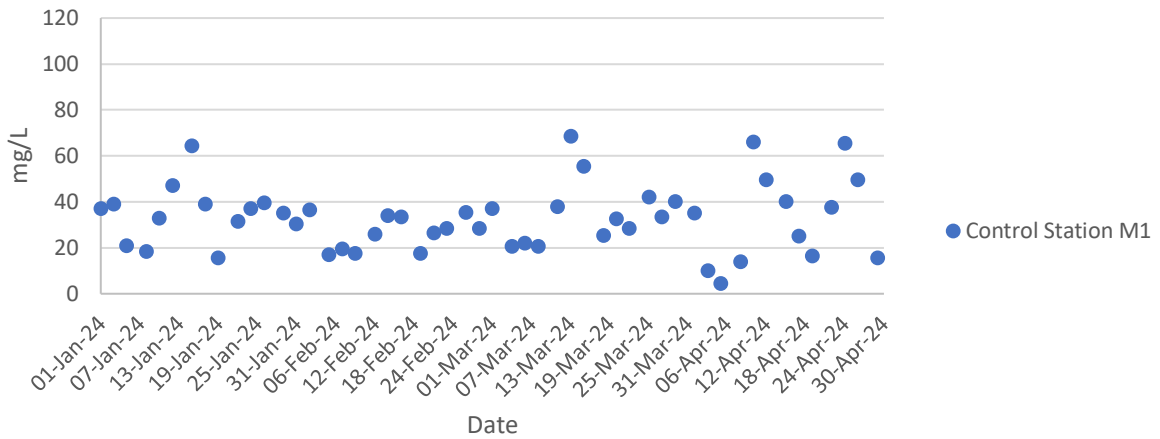
Turbidity at Mid-Flood Tide



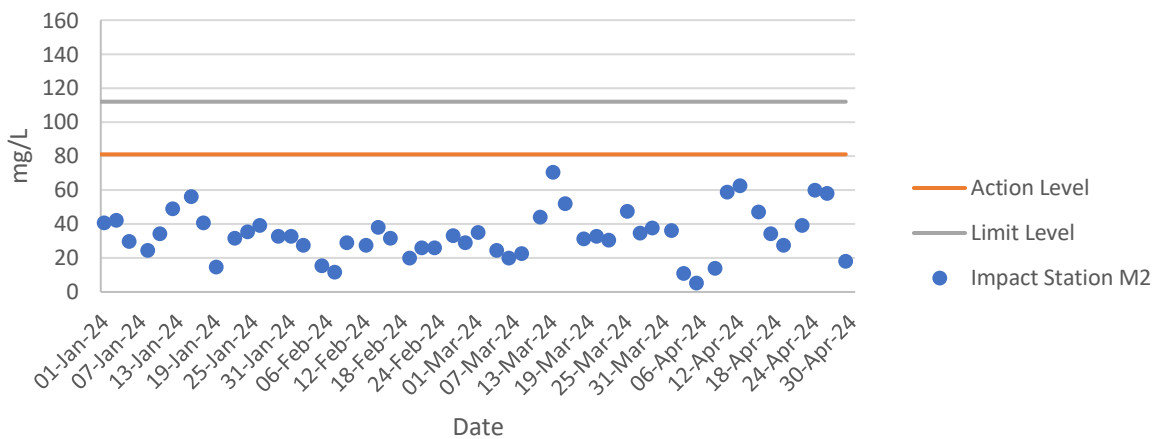
Turbidity at Mid-Flood Tide



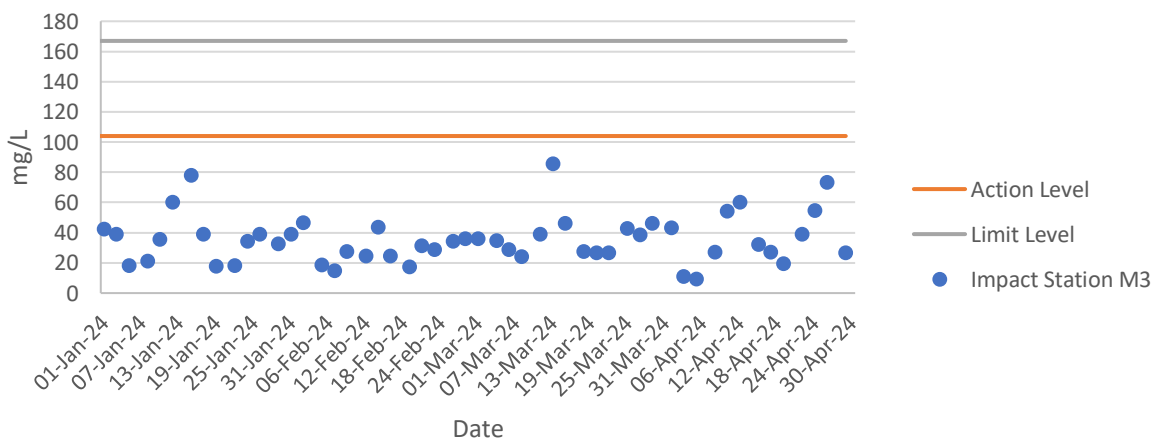
Total Suspended Solids at Mid-Flood Tide



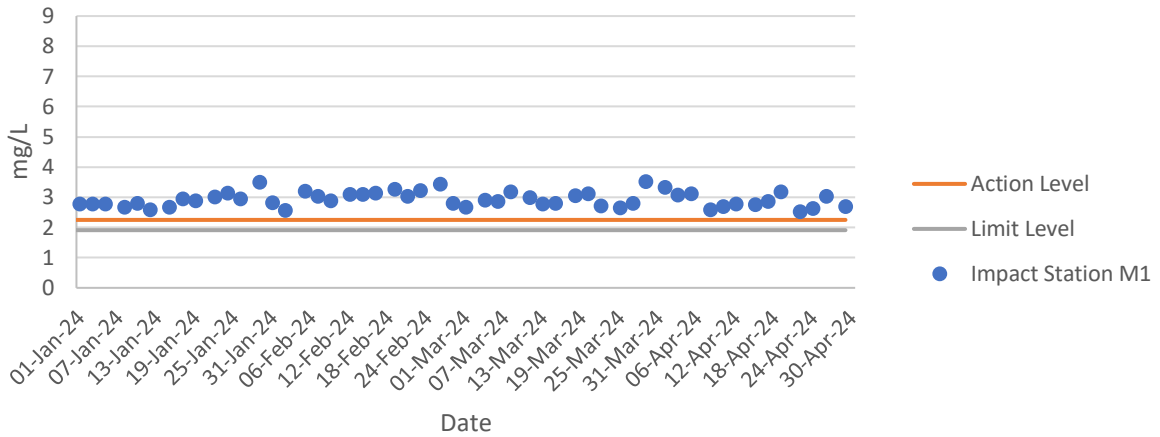
Total Suspended Solids at Mid-Flood Tide



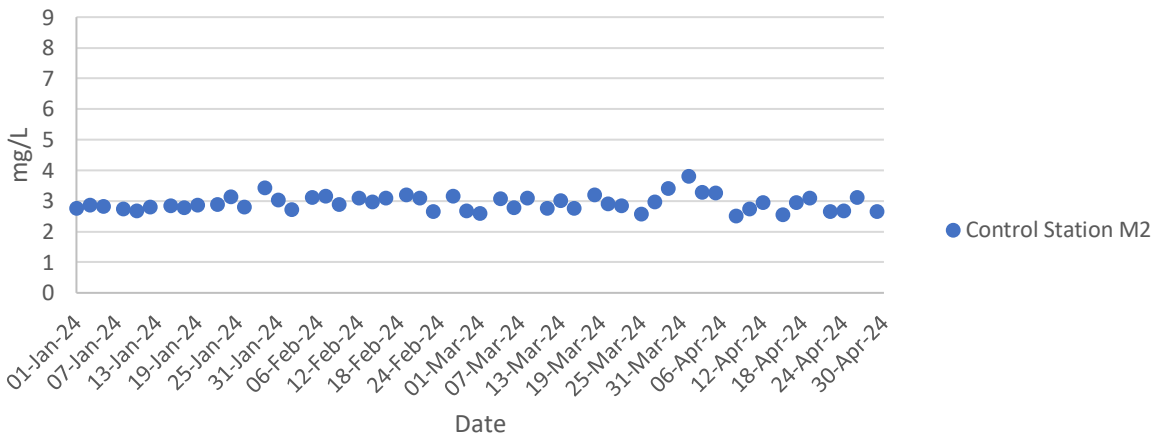
Total Suspended Solids at Mid-Flood Tide



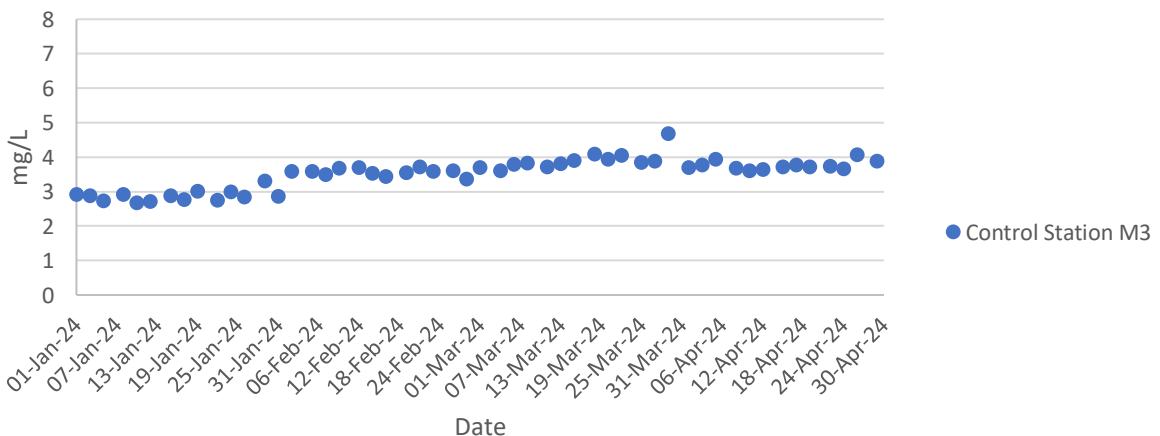
Dissolved Oxygen at Mid-Ebb Tide



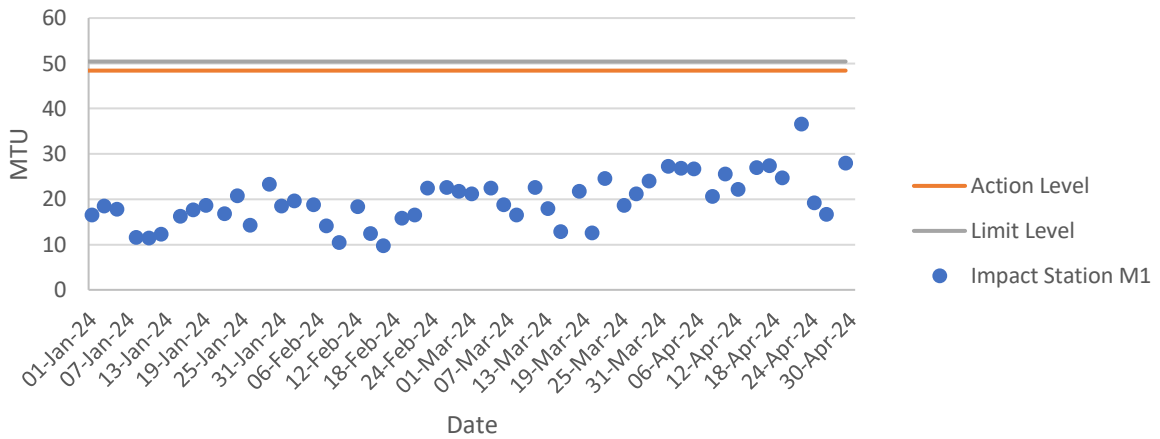
Dissolved Oxygen at Mid-Ebb Tide



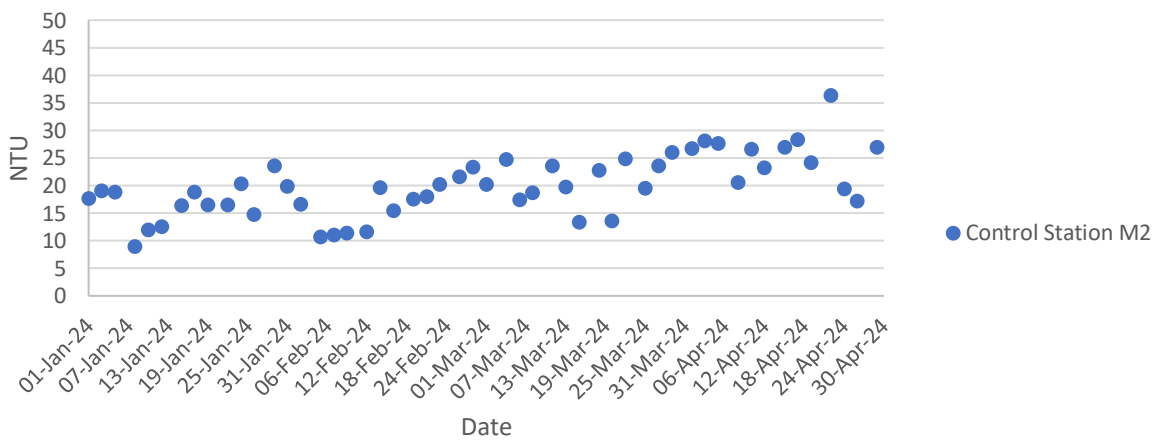
Dissolved Oxygen at Mid-Ebb Tide



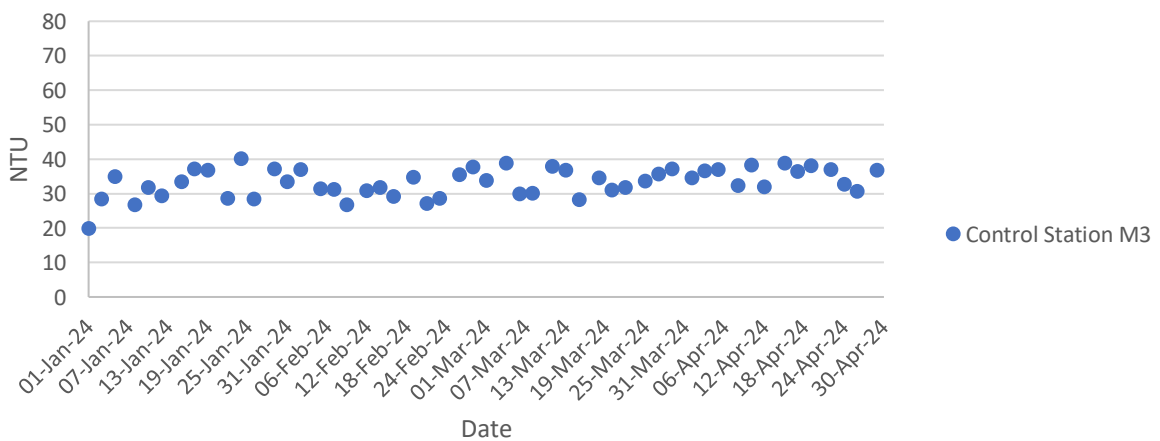
Turbidity at Mid-Ebb Tide



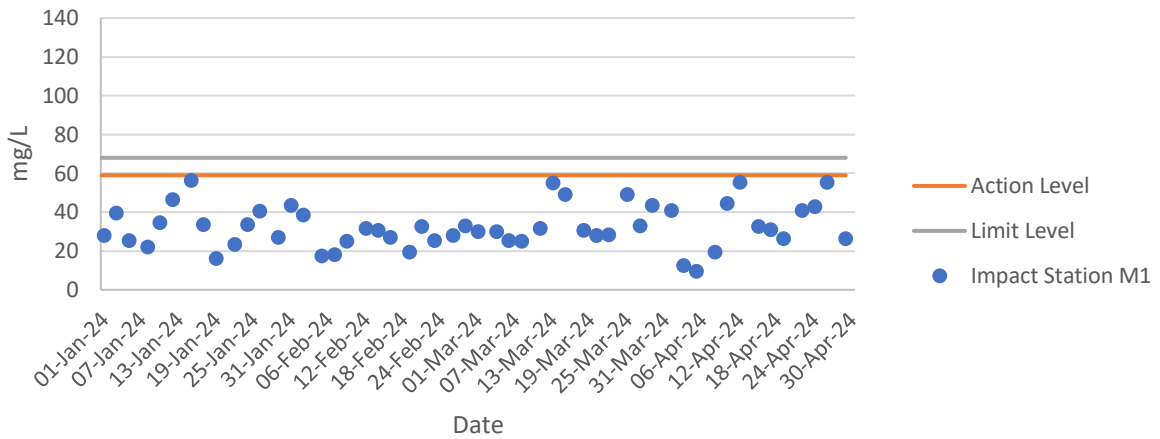
Turbidity at Mid-Ebb Tide



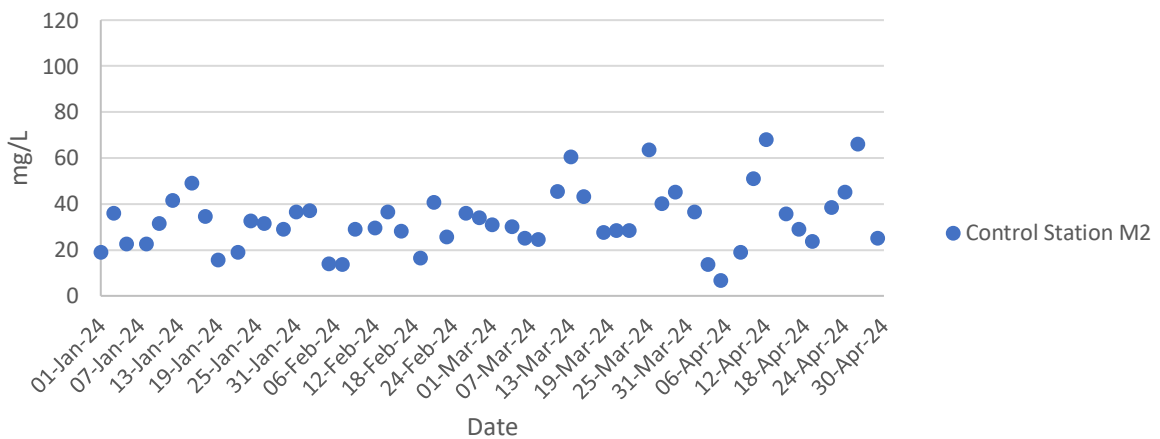
Turbidity at Mid-Ebb Tide



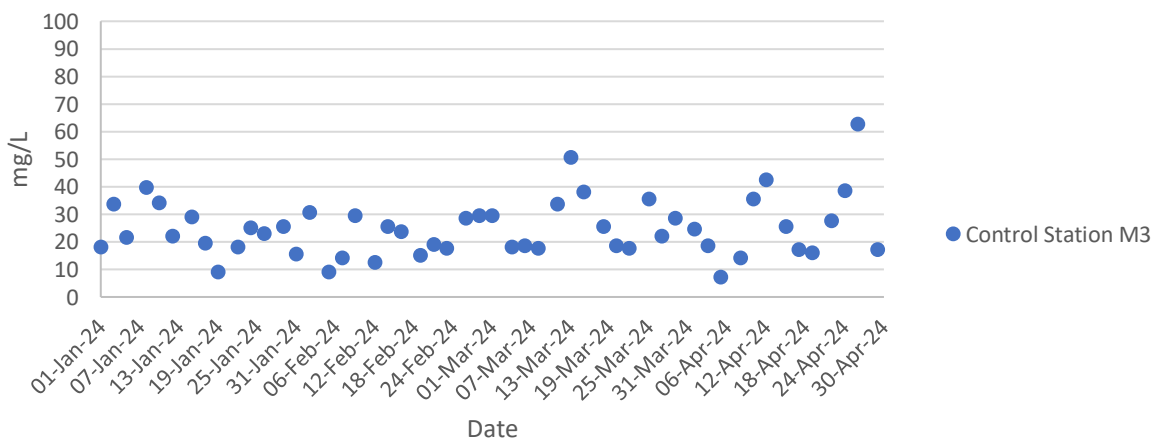
Total Suspended Solids at Mid-Ebb Tide



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 (12 April 2024 & 15 April 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
12/04/2024	Night-time	Wet	NSW	Point Count	SP/NSW1	Large Hawk-Cuckoo	<i>Hierococcyx sparverioides</i>	1	Common	PM,SV	-	-	-	LC	LC	N	N
12/04/2024	Night-time	Wet	NSW	Point Count	SP/NSW1	House Swift	<i>Apus nipalensis</i>	4	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
12/04/2024	Night-time	Wet	NSW	Point Count	SP/NSW1	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
12/04/2024	Night-time	Wet	NSW	Point Count	SP/NSW1	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	2	Common	R,WV	-	-	-	LC	LC	N	Y
12/04/2024	Night-time	Wet	NSW	Transect	NSW	Black-collared Starling	<i>Gracupica nigricollis</i>	20	Common	R	-	-	-	LC	LC	N	N
12/04/2024	Night-time	Wet	NSW	Transect	NSW	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	1	Common	R,WV	-	-	-	LC	LC	N	Y
12/04/2024	Night-time	Wet	NSW	Point Count	NSW1	Savanna Nightjar	<i>Caprimulgus affinis</i>	1	Uncommon	R.PM	-	-	-	DD	-	N	N
12/04/2024	Night-time	Wet	NSW	Point Count	SP/NSW3	Savanna Nightjar	<i>Caprimulgus affinis</i>	1	Uncommon	R.PM	-	-	-	DD	-	N	N
12/04/2024	Night-time	Wet	FLW	Point Count	FLW3	Savanna Nightjar	<i>Caprimulgus affinis</i>	1	Uncommon	R.PM	-	-	-	DD	-	N	N
12/04/2024	Night-time	Wet	FLW	Point Count	FLW5	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
12/04/2024	Night-time	Wet	FLW	Point Count	FLW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
12/04/2024	Night-time	Wet	FLW	Point Count	FLW1	Savanna Nightjar	<i>Caprimulgus affinis</i>	1	Uncommon	R.PM	-	-	-	DD	-	N	N
12/04/2024	Night-time	Wet	FLW	Point Count	FLW2	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
12/04/2024	Night-time	Wet	FLW	Point Count	FLW2	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	2	Common	R,WV	-	-	-	LC	LC	N	Y
12/04/2024	Night-time	Wet	FLW	Point Count	FLW2	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
15/04/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Pied Avocet	<i>Recurvirostra avosetta</i>	44	Abundant	WV	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Black-faced Spoonbill	<i>Platalea minor</i>	1	Common	WV	PGC	Class II	EN	EN	EN	Y	Y
15/04/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Redshank	<i>Tringa totanus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Black-winged Stilt	<i>Himantopus himantopus</i>	7	Common	PM	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (12 April 2024 & 15 April 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
15/04/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Moorhen	<i>Gallinula chloropus</i>	2	Common	R	-	-	-	LC	LC	N	Y
15/04/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Black-collared Starling	<i>Gracupica nigricollis</i>	7	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Greenshank	<i>Tringa nebularia</i>	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Crested Myna	<i>Acridotheres cristatellus</i>	6	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Plain Prinia	<i>Prinia inornata</i>	3	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Eurasian Teal	<i>Anas crecca</i>	2	Common	WV	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Redshank	<i>Tringa totanus</i>	6	Common	PM	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Marsh Sandpiper	<i>Tringa stagnatilis</i>	2	Common	PM,WV	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Plain Prinia	<i>Prinia inornata</i>	4	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Greenshank	<i>Tringa nebularia</i>	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	2	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Large Hawk-Cuckoo	<i>Hierococcyx sparverioides</i>	1	Common	PM,SV	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Scaly-breasted Munia	<i>Lonchura punctulata</i>	4	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	7	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW1	Red-throated Flycatcher	<i>Ficedula albicilla</i>	1	Uncommon	PM,WV	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (12 April 2024 & 15 April 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
15/04/2024	Daytime	Wet	NSW	Transect	NSW	Crested Myna	<i>Acridotheres cristatellus</i>	5	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Transect	NSW	Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>	2	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Transect	NSW	Japanese Tit	<i>Parus minor</i>	3	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Transect	NSW	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Transect	NSW	Chinese Bulbul	<i>Pycnanotus sinensis</i>	6	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Transect	NSW	Pied Avocet	<i>Recurvirostra avosetta</i>	4	Abundant	WV	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Transect	NSW	Barn Swallow	<i>Hirundo rustica</i>	5	Abundant	PM,SV	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	Large Hawk-Cuckoo	<i>Hierococcyx sparverioides</i>	1	Common	PM,SV	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Tree Sparrow	<i>Passer montanus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	Common Myna	<i>Acridotheres tristis</i>	3	Uncommon	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	Asian Koel	<i>Eudynamis scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	Swinhoe's White-eye	<i>Zosterops simplex</i>	4	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	9	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	Common Greenshank	<i>Tringa nebularia</i>	1	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	5	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	Pied Avocet	<i>Recurvirostra avosetta</i>	38	Abundant	WV	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	Black-winged Stilt	<i>Himantopus himantopus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (12 April 2024 & 15 April 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
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	2	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	NSW1	White-shouldered Starling	<i>Sturnia sinensis</i>	2	Common	M,W,Su	(LC)	-	-	-	LC	Y	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Barn Swallow	<i>Hirundo rustica</i>	3	Abundant	PM,SV	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Japanese Tit	<i>Parus minor</i>	3	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Indian Cuckoo	<i>Cuculus micropterus</i>	1	Uncommon	SV	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Crested Myna	<i>Acridotheres cristatellus</i>	1	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Common Redshank	<i>Tringa totanus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Common Moorhen	<i>Gallinula chloropus</i>	3	Common	R	-	-	-	LC	LC	N	Y
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Common Greenshank	<i>Tringa nebularia</i>	1	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Swinhoe's White-eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW2	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Black-tailed Godwit	<i>Limosa limosa</i>	27	Abundant	M,W	RC	-	Indeterminate	-	NT	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	spotted Redshank	<i>Tringa erythropus</i>	1	Abundant	WV,Sp	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Redshank	<i>Tringa totanus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Greenshank	<i>Tringa nebularia</i>	1	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Large Hawk-Cuckoo	<i>Hierococcyx sparveroides</i>	1	Common	PM,SV	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (12 April 2024 & 15 April 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
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Marsh Sandpiper	<i>Tringa stagnatilis</i>	2	Common	PM,WV	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	NSW	Point Count	SP/NSW3	Curlew Sandpiper	<i>Calidris ferruginea</i>	4	Common	SpM	RC	-	-	LC	NT	Y	Y
15/04/2024	Daytime	Wet	FLW	Transect	FLW	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
15/04/2024	Daytime	Wet	FLW	Transect	FLW	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
15/04/2024	Daytime	Wet	FLW	Transect	FLW	Common Moorhen	<i>Gallinula chloropus</i>	1	Common	R	-	-	-	LC	LC	N	Y
15/04/2024	Daytime	Wet	FLW	Transect	FLW	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Transect	FLW	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW4	Collared Crow	<i>Corvus torquatus</i>	1	Uncommon	R	LC	-	-	NT	VU	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW4	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW4	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW4	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	2	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW4	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW4	Crested Myna	<i>Acridotheres cristatellus</i>	6	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW4	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW4	Common Moorhen	<i>Gallinula chloropus</i>	1	Common	R	-	-	-	LC	LC	N	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW5	Black-winged Stilt	<i>Himantopus himantopus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW5	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW5	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW5	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW5	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW5	Indian Cuckoo	<i>Cuculus micropterus</i>	1	Uncommon	SV	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW5	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW5	Eastern Cattle Egret	<i>Bubulcus coromandus</i>	2	Common	R.PM	-	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (12 April 2024 & 15 April 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
15/04/2024	Daytime	Wet	FLW	Point Count	FLW5	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW5	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW5	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW5	White-shouldered Starling	<i>Sturnia sinensis</i>	2	Common	M,W,Su	(LC)	-	-	-	LC	Y	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW5	Black Drongo	<i>Dicrurus macrocerus</i>	1	Common	SV	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Transect	FLW	Dusky Warbler	<i>Phylloscopus fuscatus</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Transect	FLW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Transect	FLW	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
15/04/2024	Daytime	Wet	FLW	Transect	FLW	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Transect	FLW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Transect	FLW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Transect	FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Transect	FLW	Black-faced Bunting	<i>Emberiza spodocephala</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW6	Large Hawk-Cuckoo	<i>Hierococcyx sparveriioides</i>	1	Common	PM,SV	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW6	Azure-winged Magpie	<i>Cyanopica cyanus</i>	13	Introduced	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW6	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW6	Chinese Pond Heron	<i>Ardeola bacchus</i>	15	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW6	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW6	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	4	Common	-	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW6	Black-winged Stilt	<i>Himantopus himantopus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW6	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW6	Pied Kingfisher	<i>Ceryle rudis</i>	1	Uncommon	R	-	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW6	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (12 April 2024 & 15 April 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
15/04/2024	Daytime	Wet	FLW	Point Count	FLW6	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW7	Little Egret	<i>Egretta garzetta</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW7	Eastern Cattle Egret	<i>Bubulcus coromandus</i>	1	Common	R.PM	-	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW7	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW7	Black-winged Stilt	<i>Himantopus himantopus</i>	8	Common	PM	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW7	Wood Sandpiper	<i>Tringa glareola</i>	4	Common	PM,WV	LC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW7	Marsh Sandpiper	<i>Tringa stagnatilis</i>	1	Common	PM,WV	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW7	Common Greenshank	<i>Tringa nebularia</i>	1	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW7	Spotted Dove	<i>Spilopelia chinensis</i>	6	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW7	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW7	Common Redshank	<i>Tringa totanus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW3	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW3	Oriental Magpie Robin	<i>Copsychus sularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW3	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW3	Black-collared Starling	<i>Gracupica nigricollis</i>	1	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW3	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW2	Indian Cuckoo	<i>Cuculus micropterus</i>	1	Uncommon	SV	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW2	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW2	Crested Myna	<i>Acridotheres crisatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW2	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW2	Common Myna	<i>Acridotheres tristis</i>	3	Uncommon	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW2	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW1	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (12 April 2024 & 15 April 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
15/04/2024	Daytime	Wet	FLW	Point Count	FLW1	Little Grebe	<i>Tachybaptus ruficollis</i>	3	Common	R	LC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW1	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW1	Common Myna	<i>Acridotheres tristis</i>	2	Uncommon	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW1	Crested Myna	<i>Acridotheres cristatellus</i>	3	Common	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW1	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW1	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW1	Black-winged Stilt	<i>Himantopus himantopus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
15/04/2024	Daytime	Wet	FLW	Point Count	FLW1	Oriental Magpie Robin	<i>Copsychus saularis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
15/04/2024	Daytime	Wet	FLW	Point Count	FLW1	Asian Koel	<i>Eudynamis scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N

Notes:

1. All wild birds are protected under Wild Animals Protection Ordinance (Cap. 170).
2. AFCD (2021). Hong Kong Biodiversity Database.
3. Carey et al. (2001): R=resident; WV=winter visitor; SV=summer visitor; PM=passage migrant; Sp=spring; A=autumn;
4. Fellowes et al. (2002): LC=Local Concern; RC=Regional Concern; PRC=Potential Regional Concern; PGC: Potential Global Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.
5. List of Wild Animals under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).
6. Zheng, G. M. and Wang, Q. S. (1998). China Red Data Book
7. IUCN 2021. The IUCN Red List of Threatened Species. Version 2020-3.
8. Wetland-dependent species (including wetland-dependent species and waterbirds).
9. Jiang et al. (2016). Red List of China's Vertebrates

Appendix F.2.1 Ecological Bird Monitoring Diversity (All avifauna species in Point Count Method) in All Habitats (12 April 2024 & 15 April 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Tachybaptus ruficollis</i>	3	0.008108108	-4.814890717	-0.03904	0.187972
<i>Nycticorax nycticorax</i>	4	0.010810811	-4.527208645	-0.04894	0.221574
<i>Ardeola bacchus</i>	28	0.075675676	-2.581298495	-0.19534	0.504235
<i>Bubulcus coromandus</i>	3	0.008108108	-4.814890717	-0.03904	0.187972
<i>Ardea cinerea</i>	2	0.005405405	-5.220355825	-0.02822	0.147309
<i>Ardea alba</i>	3	0.008108108	-4.814890717	-0.03904	0.187972
<i>Egretta garzetta</i>	9	0.024324324	-3.716278428	-0.0904	0.335937
<i>Milvus migrans</i>	2	0.005405405	-5.220355825	-0.02822	0.147309
<i>Amaurornis phoenicurus</i>	7	0.018918919	-3.967592857	-0.07506	0.297818
<i>Gallinula chloropus</i>	4	0.010810811	-4.527208645	-0.04894	0.221574
<i>Himantopus himantopus</i>	16	0.043243243	-3.140914283	-0.13582	0.426609
<i>Recurvirostra avosetta</i>	38	0.102702703	-2.275916846	-0.23374	0.531979
<i>Limosa limosa</i>	27	0.072972973	-2.61766614	-0.19102	0.500024
<i>Calidris ferruginea</i>	4	0.010810811	-4.527208645	-0.04894	0.221574
<i>Actitis hypoleucos</i>	4	0.010810811	-4.527208645	-0.04894	0.221574
<i>Tringa totanus</i>	14	0.037837838	-3.274445676	-0.1239	0.405697
<i>Tringa stagnatilis</i>	5	0.013513514	-4.304065093	-0.05816	0.250338
<i>Tringa glareola</i>	4	0.010810811	-4.527208645	-0.04894	0.221574
<i>Tringa erythropus</i>	1	0.002702703	-5.913503006	-0.01598	0.094512
<i>Tringa nebularia</i>	6	0.016216216	-4.121743536	-0.06684	0.275494
<i>Streptopelia decaocto</i>	6	0.016216216	-4.121743536	-0.06684	0.275494
<i>Spilopelia chinensis</i>	14	0.037837838	-3.274445676	-0.1239	0.405697
<i>Centropus sinensis</i>	2	0.005405405	-5.220355825	-0.02822	0.147309
<i>Eudynamis scolopaceus</i>	2	0.005405405	-5.220355825	-0.02822	0.147309
<i>Hierococcyx sparveriioides</i>	5	0.013513514	-4.304065093	-0.05816	0.250338
<i>Cuculus micropterus</i>	3	0.008108108	-4.814890717	-0.03904	0.187972
<i>Caprimulgus affinis</i>	4	0.010810811	-4.527208645	-0.04894	0.221574
<i>Apus nipalensis</i>	4	0.010810811	-4.527208645	-0.04894	0.221574
<i>Alcedo atthis</i>	1	0.002702703	-5.913503006	-0.01598	0.094512
<i>Ceryle rudis</i>	1	0.002702703	-5.913503006	-0.01598	0.094512
<i>Dicrurus macrocercus</i>	1	0.002702703	-5.913503006	-0.01598	0.094512
<i>Cyanopica cyanus</i>	13	0.035135135	-3.348553648	-0.11765	0.393964
<i>Corvus torquatus</i>	1	0.002702703	-5.913503006	-0.01598	0.094512
<i>Parus minor</i>	5	0.013513514	-4.304065093	-0.05816	0.250338
<i>Pycnonotus jocosus</i>	8	0.021621622	-3.834061464	-0.0829	0.317838
<i>Pycnonotus sinensis</i>	5	0.013513514	-4.304065093	-0.05816	0.250338
<i>Hirundo rustica</i>	3	0.008108108	-4.814890717	-0.03904	0.187972
<i>Prinia flaviventris</i>	6	0.016216216	-4.121743536	-0.06684	0.275494
<i>Prinia inornata</i>	13	0.035135135	-3.348553648	-0.11765	0.393964
<i>Pterorhinus perspicillatus</i>	5	0.013513514	-4.304065093	-0.05816	0.250338
<i>Zosterops simplex</i>	6	0.016216216	-4.121743536	-0.06684	0.275494
<i>Acridotheres cristatellus</i>	30	0.081081081	-2.512305624	-0.2037	0.511758
<i>Acridotheres tristis</i>	8	0.021621622	-3.834061464	-0.0829	0.317838
<i>Gracupica nigricollis</i>	17	0.045945946	-3.080289662	-0.14153	0.435944

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Sturnia sinensis</i>	4	0.010810811	-4.527208645	-0.04894	0.221574
<i>Copsychus saularis</i>	4	0.010810811	-4.527208645	-0.04894	0.221574
<i>Ficedula albicilla</i>	1	0.002702703	-5.913503006	-0.01598	0.094512
<i>Saxicola stejnegeri</i>	1	0.002702703	-5.913503006	-0.01598	0.094512
<i>Passer montanus</i>	3	0.008108108	-4.814890717	-0.03904	0.187972
<i>Lonchura punctulata</i>	4	0.010810811	-4.527208645	-0.04894	0.221574
<i>Motacilla tschutschensis</i>	1	0.002702703	-5.913503006	-0.01598	0.094512
<i>Motacilla alba</i>	5	0.013513514	-4.304065093	-0.05816	0.250338
Total	370	1	-229.4686267	-3.49624	13.07221
Richness	52				
SS	13.07220549				
SQ	12.22370671				
H	3.496241798				
S ² H	0.002479507				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (12 April 2024 & 15 April 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Tachybaptus ruficollis</i>	3	0.016949153	-4.07754	-0.06911	0.281802
<i>Nycticorax nycticorax</i>	4	0.02259887	-3.78986	-0.08565	0.324588
<i>Ardeola bacchus</i>	28	0.15819209	-1.84395	-0.2917	0.537874
<i>Bubulcus coromandus</i>	3	0.016949153	-4.07754	-0.06911	0.281802
<i>Ardea cinerea</i>	2	0.011299435	-4.483	-0.05066	0.227088
<i>Ardea alba</i>	3	0.016949153	-4.07754	-0.06911	0.281802
<i>Egretta garzetta</i>	9	0.050847458	-2.97893	-0.15147	0.45122
<i>Milvus migrans</i>	2	0.011299435	-4.483	-0.05066	0.227088
<i>Himantopus himantopus</i>	16	0.09039548	-2.40356	-0.21727	0.522224
<i>Recurvirostra avosetta</i>	38	0.214689266	-1.53856	-0.33031	0.508208
<i>Limosa limosa</i>	27	0.152542373	-1.88031	-0.28683	0.539325
<i>Calidris ferruginea</i>	4	0.02259887	-3.78986	-0.08565	0.324588
<i>Tringa totanus</i>	14	0.079096045	-2.53709	-0.20067	0.509128
<i>Tringa stagnatilis</i>	5	0.028248588	-3.56671	-0.10075	0.359363
<i>Tringa glareola</i>	4	0.02259887	-3.78986	-0.08565	0.324588
<i>Tringa erythropus</i>	1	0.005649718	-5.17615	-0.02924	0.15137
<i>Tringa nebularia</i>	6	0.033898305	-3.38439	-0.11473	0.388274
<i>Centropus sinensis</i>	2	0.011299435	-4.483	-0.05066	0.227088
<i>Ceryle rudis</i>	1	0.005649718	-5.17615	-0.02924	0.15137
<i>Corvus torquatus</i>	1	0.005649718	-5.17615	-0.02924	0.15137
<i>Sturnia sinensis</i>	4	0.02259887	-3.78986	-0.08565	0.324588
Total	177	1	-76.503	-2.48335	7.094749
Richness	21				
SS	7.094749				
SQ	6.167023				
H	2.483349				
S ² H	0.0055606				

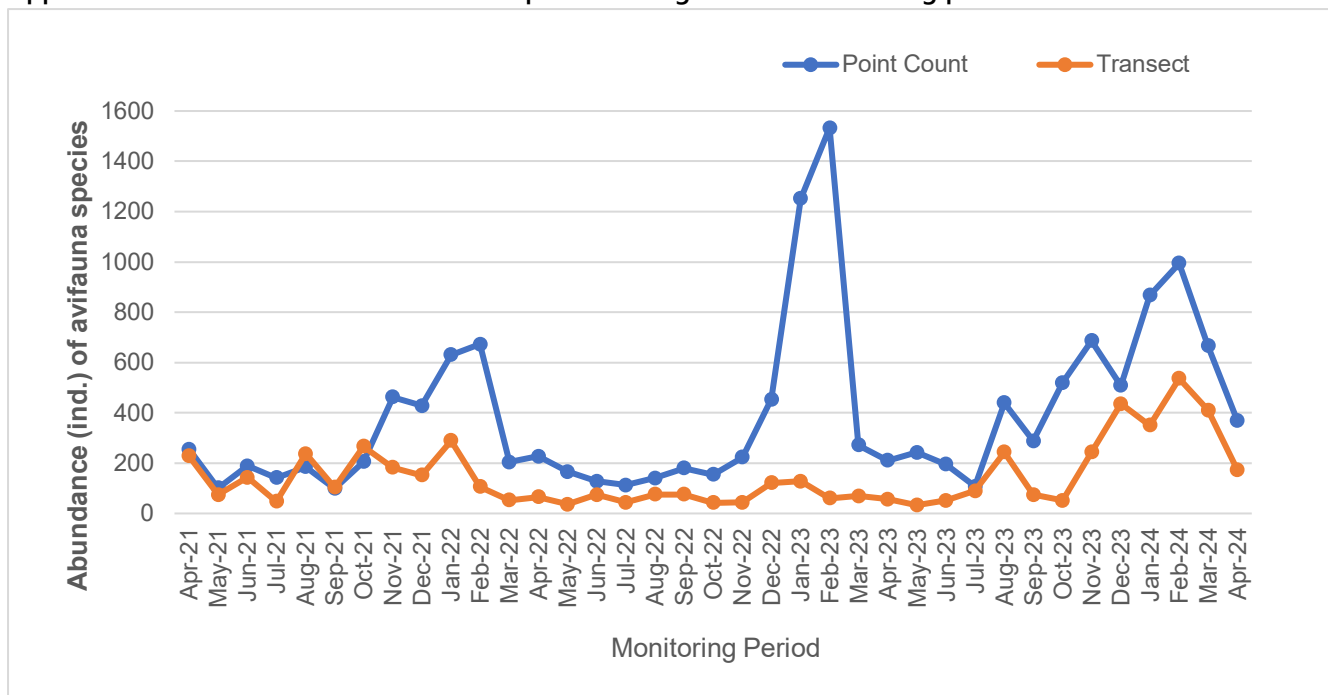
Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method) in All Habitats (12 April 2024 & 15 April 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Anas crecca</i>	2	0.01149425	-4.46591	-0.05133	0.22925
<i>Platalea minor</i>	1	0.00574713	-5.15906	-0.02965	0.15296
<i>Nycticorax nycticorax</i>	1	0.00574713	-5.15906	-0.02965	0.15296
<i>Ardeola bacchus</i>	3	0.01724138	-4.06044	-0.07001	0.28426
<i>Ardea cinerea</i>	1	0.00574713	-5.15906	-0.02965	0.15296
<i>Ardea alba</i>	1	0.00574713	-5.15906	-0.02965	0.15296
<i>Egretta garzetta</i>	2	0.01149425	-4.46591	-0.05133	0.22925
<i>Amaurornis phoenicurus</i>	2	0.01149425	-4.46591	-0.05133	0.22925
<i>Gallinula chloropus</i>	3	0.01724138	-4.06044	-0.07001	0.28426
<i>Himantopus himantopus</i>	7	0.04022989	-3.21315	-0.12926	0.41535
<i>Recurvirostra avosetta</i>	48	0.27586207	-1.28785	-0.35527	0.45754
<i>Actitis hypoleucos</i>	1	0.00574713	-5.15906	-0.02965	0.15296
<i>Tringa totanus</i>	4	0.02298851	-3.77276	-0.08673	0.32721
<i>Tringa nebularia</i>	2	0.01149425	-4.46591	-0.05133	0.22925
<i>Spilopelia chinensis</i>	3	0.01724138	-4.06044	-0.07001	0.28426
<i>Urocissa erythroryncha</i>	2	0.01149425	-4.46591	-0.05133	0.22925
<i>Parus minor</i>	3	0.01724138	-4.06044	-0.07001	0.28426
<i>Pycnonotus jocosus</i>	4	0.02298851	-3.77276	-0.08673	0.32721
<i>Pycnonotus sinensis</i>	10	0.05747126	-2.85647	-0.16416	0.46893
<i>Hirundo rustica</i>	5	0.02873563	-3.54962	-0.102	0.36206
<i>Phylloscopus fuscatus</i>	2	0.01149425	-4.46591	-0.05133	0.22925
<i>Prinia inornata</i>	4	0.02298851	-3.77276	-0.08673	0.32721
<i>Pterorhinus perspicillatus</i>	3	0.01724138	-4.06044	-0.07001	0.28426
<i>Acridotheres cristatellus</i>	15	0.0862069	-2.45101	-0.21129	0.51788
<i>Gracupica nigricollis</i>	39	0.22413793	-1.49549	-0.3352	0.50128
<i>Copsychus saularis</i>	2	0.01149425	-4.46591	-0.05133	0.22925
<i>Motacilla alba</i>	3	0.01724138	-4.06044	-0.07001	0.28426
<i>Emberiza spodocephala</i>	1	0.00574713	-5.15906	-0.02965	0.15296
Total	174	1	-112.75	-2.51465	7.93276
Richness	28				
SS	7.932756006				
SQ	6.32347014				
H	2.5146511				
S ² H	0.00969467				

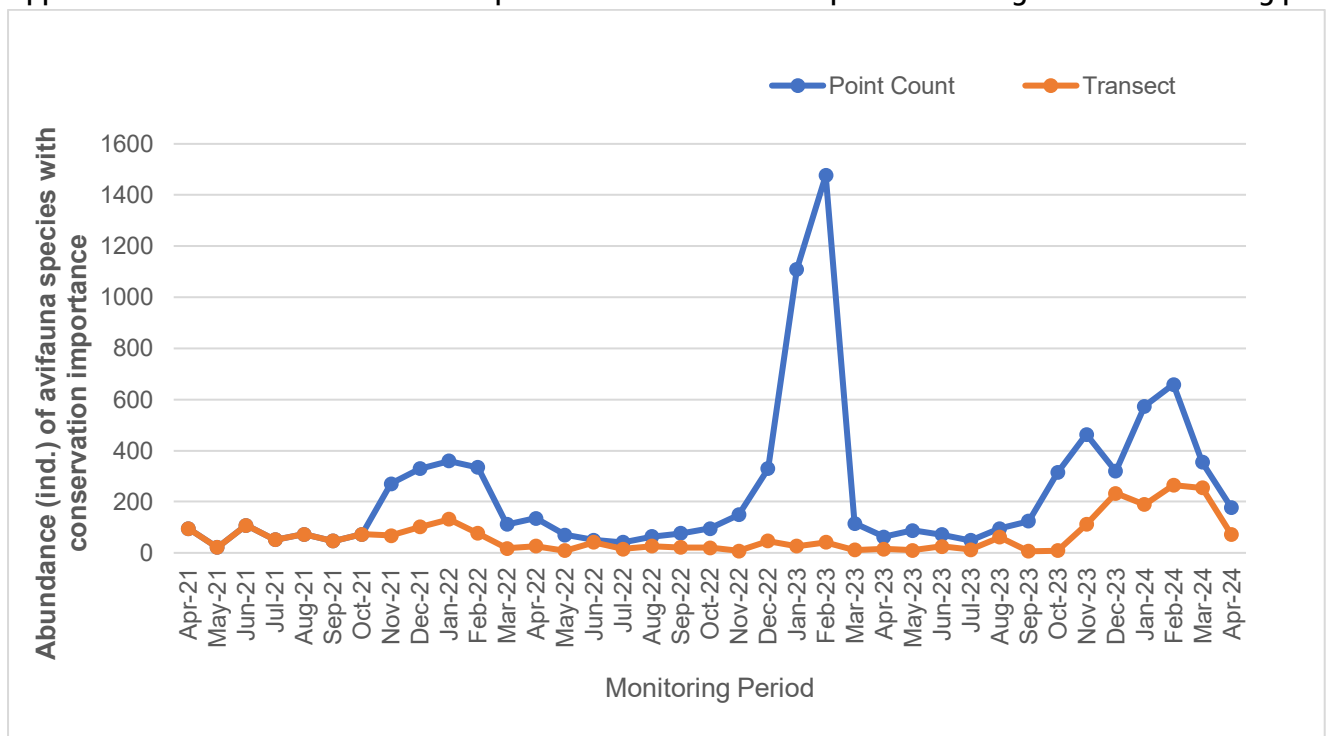
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (12 April 2024 & 15 April 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Anas crecca</i>	2	0.027777778	-3.58352	-0.099542	0.356711
<i>Platalea minor</i>	1	0.013888889	-4.27667	-0.059398	0.254026
<i>Nycticorax nycticorax</i>	1	0.013888889	-4.27667	-0.059398	0.254026
<i>Ardeola bacchus</i>	3	0.041666667	-3.17805	-0.132419	0.420834
<i>Ardea cinerea</i>	1	0.013888889	-4.27667	-0.059398	0.254026
<i>Ardea alba</i>	1	0.013888889	-4.27667	-0.059398	0.254026
<i>Egretta garzetta</i>	2	0.027777778	-3.58352	-0.099542	0.356711
<i>Himantopus himantopus</i>	7	0.097222222	-2.33076	-0.226601	0.528152
<i>Recurvirostra avosetta</i>	48	0.666666667	-0.40547	-0.27031	0.109601
<i>Tringa totanus</i>	4	0.055555556	-2.89037	-0.160576	0.464125
<i>Tringa nebularia</i>	2	0.027777778	-3.58352	-0.099542	0.356711
Total	72	1	-36.6619	-1.326126	3.608951
Richness	11				
SS	3.608950998				
SQ	1.758609122				
H	1.326125606				
S ² H	0.026663699				

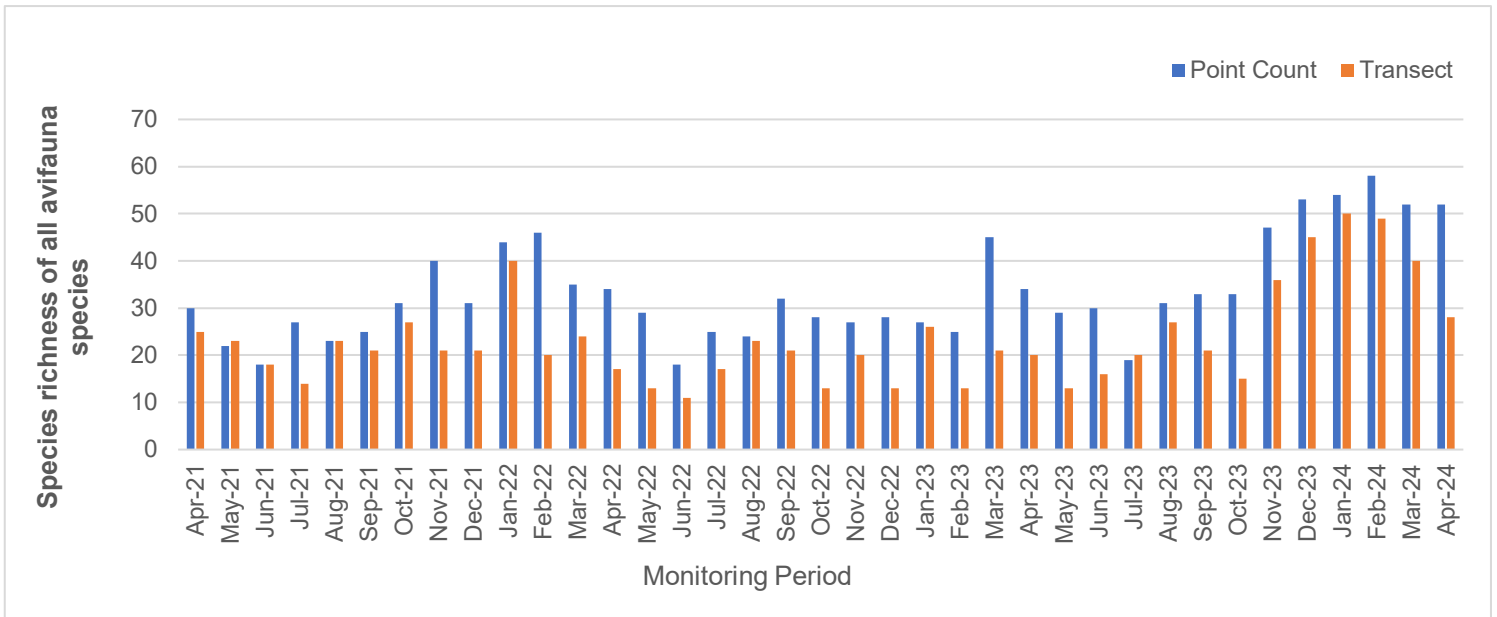
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



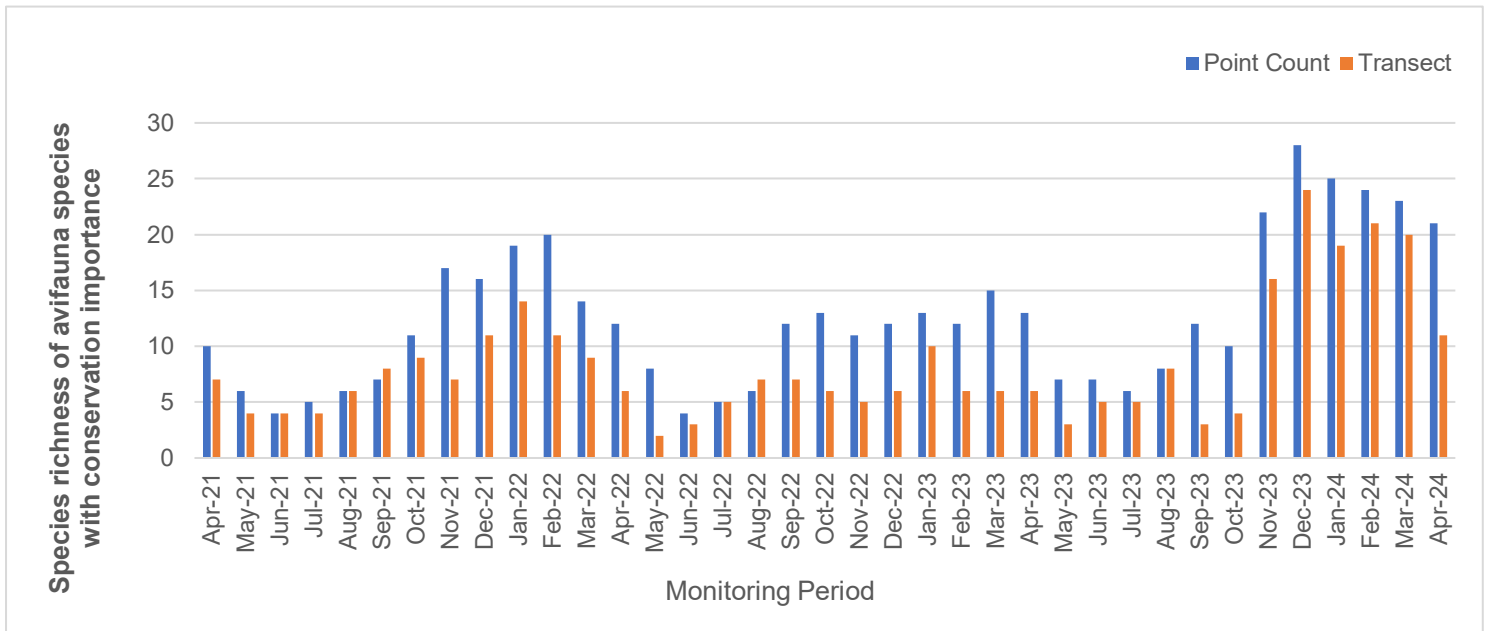
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



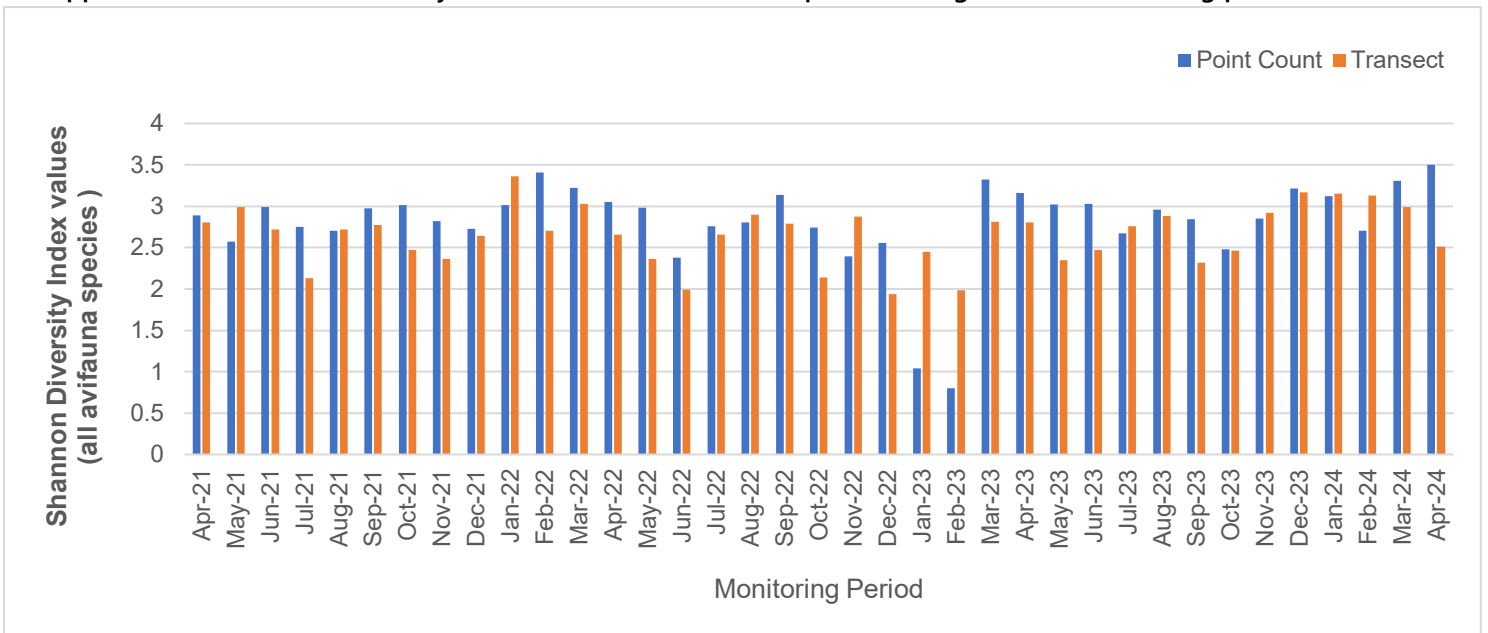
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



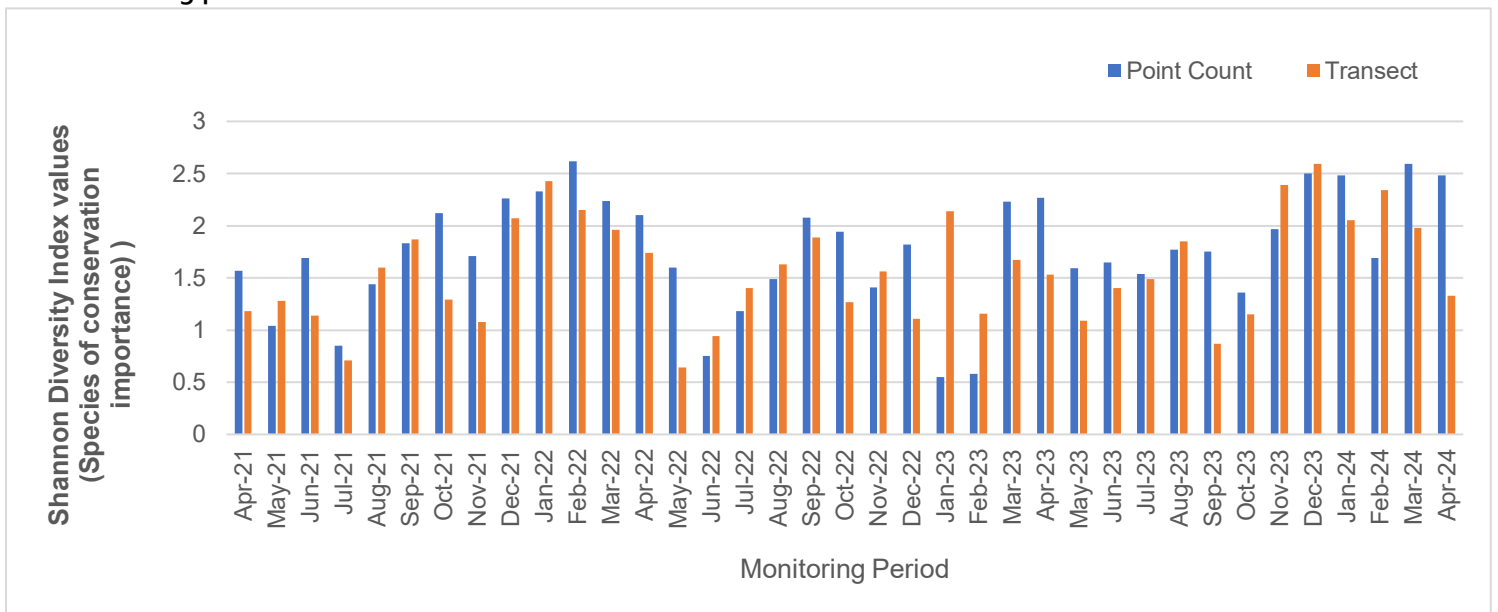
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



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	April 2017	April 2024
Total	298	370
Richness	41	52
H	3.1636	3.4962
S ² H	0.0034	0.0025
t	4.3377	
df	623.8915	
Crit	1.9638	
p	1.68E-05	
CI	0.1166	0.0996

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

Months	April 2017	April 2024
Total	47	174
Richness	13	28
H	2.0956	2.5147
S ² H	0.0224	0.0097
t	2.3392	
df	91.8400	
Crit	1.9864	
p	2.15E-02	
CI	0.2993	0.1969

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

Months	April 2017	April 2024
Total	200	177
Richness	13	21
H	2.2415	2.4833
S ² H	0.0022	0.0056
t	2.7456	
df	302.8143	
Crit	1.9679	
p	6.40E-03	
CI	0.0938	0.1491

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

Months	April 2017	April 2024
Total	1	72
Richness	1	11
H	0	1.3261
S ² H	0	0.0267
t	8.1213	
df	72	
Crit	1.9935	
p	9.10E-12	
CI	0	0.3266