

# Air Quality Monitoring Results

**1-hour TSP Monitoring Result for  
Contract No. SPW 02/2023  
Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1**

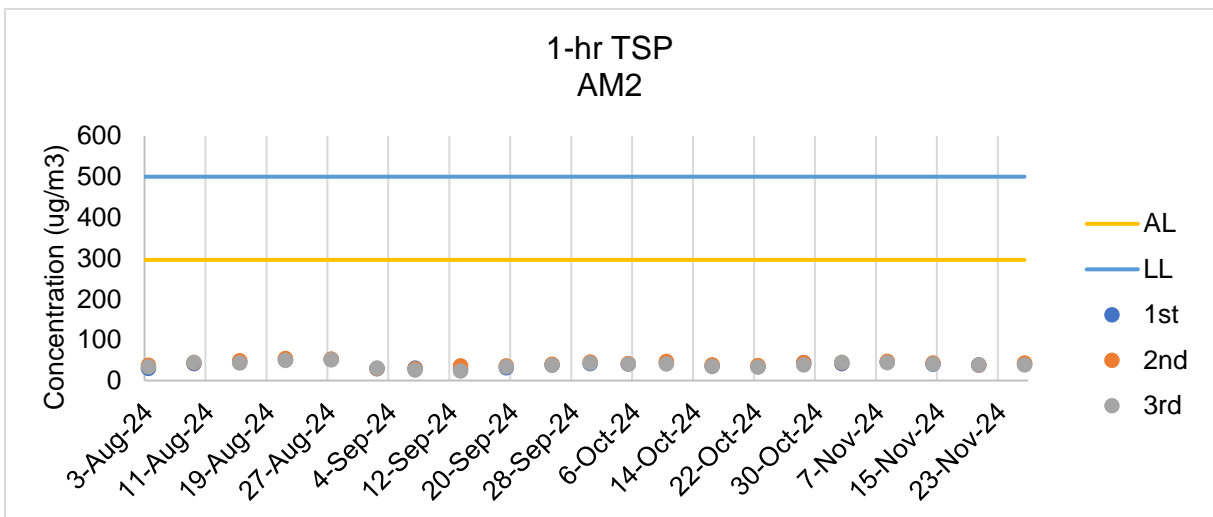
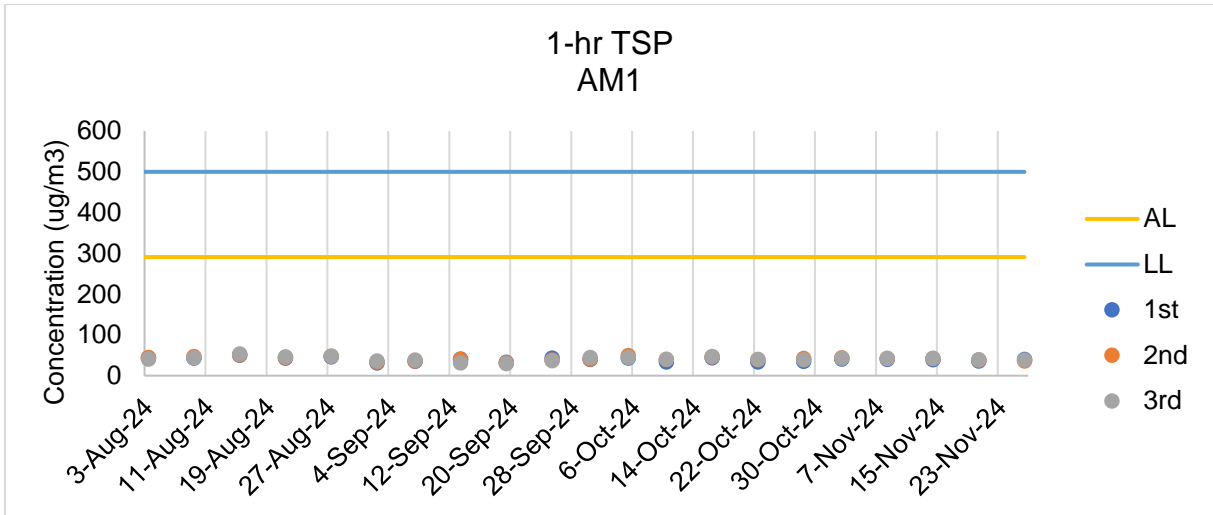
**AM1 - Topfine Machinery (China) Co. Ltd.**

Date	Weather Condition	Start Time	1-hour TSP ( $\mu\text{g}/\text{m}^3$ )			Action Level ( $\text{ug}/\text{m}^3$ )	Limit Level ( $\text{ug}/\text{m}^3$ )
			1st Measurement	2nd Measurement	3rd Measurement		
2/11/2024	sunny	8:23	41	44	43	291	500
8/11/2024	sunny	8:32	40	42	42		
14/11/2024	sunny	8:44	39	42	42		
20/11/2024	sunny	8:12	36	38	39		
26/11/2024	sunny	8:33	40	36	38		
		Min	36				
		Max	44				
		Average	40				

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

Date	Weather Condition	Start Time	1-hour TSP ( $\mu\text{g}/\text{m}^3$ )			Action Level ( $\text{ug}/\text{m}^3$ )	Limit Level ( $\text{ug}/\text{m}^3$ )
			1st Measurement	2nd Measurement	3rd Measurement		
2/11/2024	sunny	13:03	42	44	45	296	500
8/11/2024	sunny	13:10	46	47	44		
14/11/2024	sunny	13:11	40	43	41		
20/11/2024	sunny	13:09	39	38	38		
26/11/2024	sunny	13:15	40	43	39		
		Min	38				
		Max	47				
		Average	42				

Note:  
Underline: Exceedance of Action Level  
Underline and Bold: Exceedance of Limit Level



**Air Quality Monitoring Results**

# Noise Monitoring Results

**Noise Impact Monitoring Result for  
Contract No. SPW 02/2023  
Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1**

**CM1 - Squatter house to the north of YLSTW**

Date	Start Time	L <sub>eq</sub> 30min dB(A)	L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
8/11/2024	10:21	62.1	64.2	57.4	2.3	sunny	75
14/11/2024	10:14	61.4	62.3	58.5	1.3	sunny	75
20/11/2024	10:42	60.5	61.6	58.3	0.8	sunny	75
26/11/2024	10:29	61.3	62.4	57.7	0.3	sunny	75
	<b>Max</b>	62.1					
	<b>Min</b>	60.5					

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

Date	Start Time	L <sub>eq</sub> 30min dB(A)	L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
8/11/2024	13:10	58.7	60.4	56.6	0.2	sunny	75
14/11/2024	13:11	57.9	58.5	56.1	1.3	sunny	75
20/11/2024	13:09	58.0	60.3	57.4	0.9	sunny	75
26/11/2024	13:15	58.9	60.5	56.5	0.0	sunny	75
	<b>Max</b>	58.9					
	<b>Min</b>	57.9					

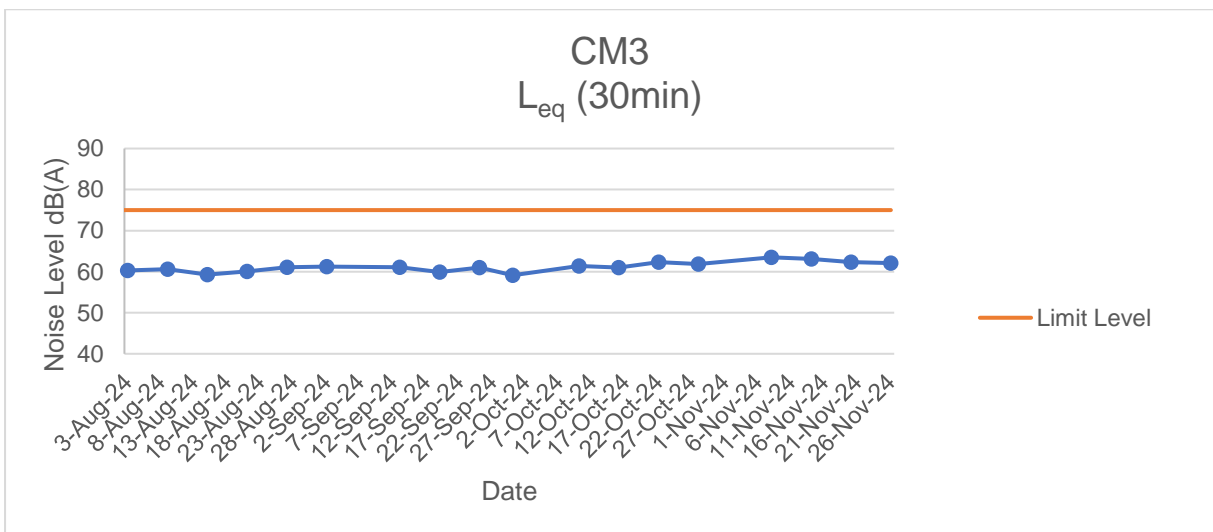
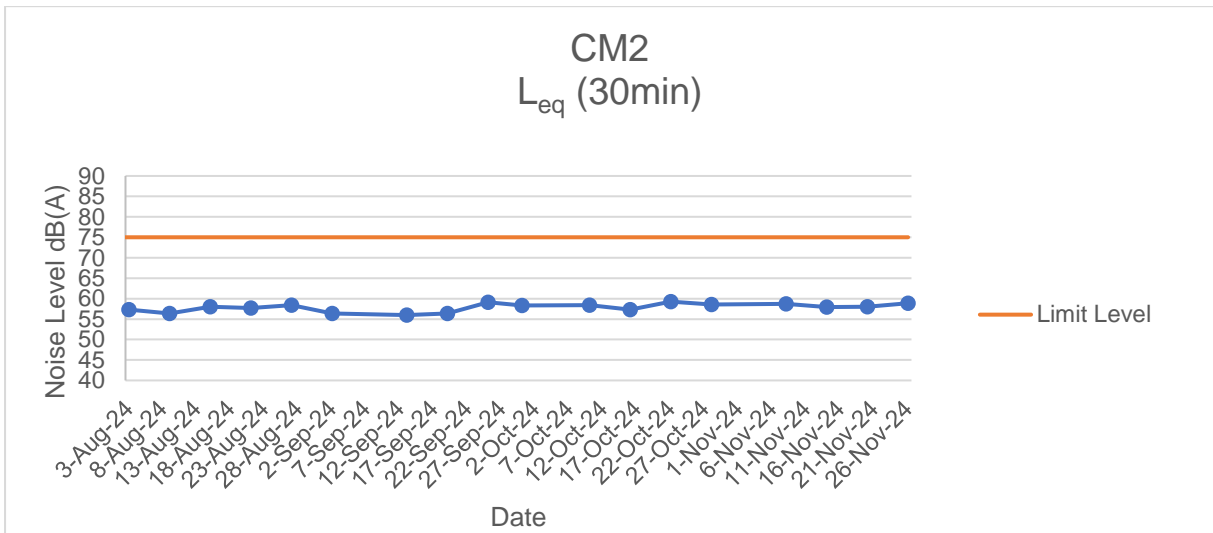
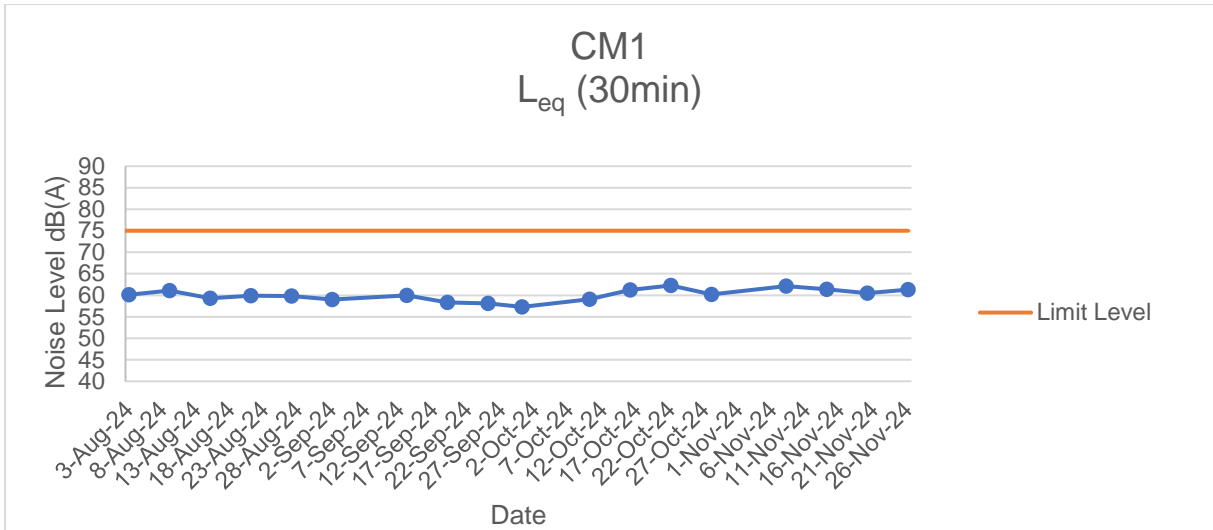
**CM3 - Squatter house to the east of YLSTW**

Date	Start Time	L <sub>eq</sub> 30min dB(A)	L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
8/11/2024	8:42	63.5	64.5	58.4	0.7	sunny	75
14/11/2024	8:21	63.1	64.5	58.1	0.2	sunny	75
20/11/2024	9:03	62.3	63.4	57.7	0.8	sunny	75
26/11/2024	8:34	62.1	64.4	57.9	1.6	sunny	75
	<b>Max</b>	63.5					
	<b>Min</b>	62.1					

Note:

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

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



**Noise Monitoring Results**

# Water Quality Monitoring Results

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	2/11/2024	Mid-Flood	Sunny	Low	13:41	2.5	M	1.25	1	0.093	169.776	7.2	7.20	2.89	2.88	26.9	26.95	35.2	34.60	2.65	2.61	22.14	21.94	2.5	3
M1	2/11/2024	Mid-Flood	Sunny	Low	13:41	2.5	M	1.25	2			7.19	7.20	2.86	2.88	27	26.95	34.0	34.60	2.56	2.61	21.74	21.94	2.5	3
M2	2/11/2024	Mid-Flood	Sunny	Low	14:05	2.2	M	1.10	1	0.086	185.153	7.2	7.20	2.64	2.62	26.9	26.95	34.7	34.65	2.61	2.61	25.55	25.51	2.5	3
M2	2/11/2024	Mid-Flood	Sunny	Low	14:06	2.2	M	1.10	2			7.19	7.20	2.59	2.62	27	26.95	34.6	34.65	2.6	2.61	25.47	25.51	2.5	3
M3	2/11/2024	Mid-Flood	Sunny	Low	14:18	1.9	M	0.95	1	0.083	175.592	7.2	7.19	3.11	3.16	26.9	26.90	46.8	45.95	3.52	3.46	36.76	36.785	2.5	3
M3	2/11/2024	Mid-Flood	Sunny	Low	14:18	1.9	M	0.95	2			7.18	7.19	3.2	3.16	26.9	26.90	45.1	45.95	3.39	3.46	36.81	36.785	2.5	3
M1	2/11/2024	Mid-Ebb	Sunny	Low	8:33	2.4	M	1.20	1	0.064	328.38	7.19	7.19	2.32	2.32	27.1	27.15	37.5	38.10	2.82	2.87	24.44	24.315	2.5	3
M1	2/11/2024	Mid-Ebb	Sunny	Low	8:33	2.4	M	1.20	2			7.19	7.19	2.32	2.32	27.2	27.15	38.7	38.10	2.91	2.87	24.19	24.315	2.5	3
M2	2/11/2024	Mid-Ebb	Sunny	Low	8:01	2.2	M	1.10	1	0.076	344.482	7.18	7.18	2.45	2.41	27.1	27.10	36.7	36.15	2.76	2.72	26.63	26.415	2.5	3
M2	2/11/2024	Mid-Ebb	Sunny	Low	8:01	2.2	M	1.10	2			7.18	7.18	2.36	2.41	27.1	27.10	35.6	36.15	2.68	2.72	26.2	26.415	2.5	3
M3	2/11/2024	Mid-Ebb	Sunny	Low	8:51	2	M	1.00	1	0.074	331.352	7.16	7.17	3.43	3.39	27.1	27.10	47.7	48.05	3.59	3.62	36.62	36.75	2.5	3
M3	2/11/2024	Mid-Ebb	Sunny	Low	8:51	2	M	1.00	2			7.17	7.17	3.35	3.39	27.1	27.10	48.4	48.05	3.64	3.62	36.88	36.75	2.5	3

Remark

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

For Flood Tide

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

For Ebb Tide

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



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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	5/11/2024	Mid-Flood	Sunny	Low	15:29	2.6	M	1.30	1	0.075	188.59	7.14	7.15	2.44	2.44	26.5	26.50	33.4	32.55	2.51	2.45	16.55	16.465	27	27
M1	5/11/2024	Mid-Flood	Sunny	Low	15:29	2.6	M	1.30	2			7.15	7.15	2.43	2.44	26.5	26.50	31.7	32.55	2.38	2.45	16.38	16.465	27	27
M2	5/11/2024	Mid-Flood	Sunny	Low	15:58	2.2	M	1.10	1	0.094	185.401	7.19	7.20	2.35	2.34	26.5	26.55	35.6	35.95	2.68	2.71	17.58	17.405	31	39
M2	5/11/2024	Mid-Flood	Sunny	Low	15:58	2.2	M	1.10	2			7.21	7.20	2.33	2.34	26.6	26.55	36.3	35.95	2.73	2.71	17.23	17.405	47	39
M3	5/11/2024	Mid-Flood	Sunny	Low	16:07	1.8	M	0.90	1	0.079	167.965	7.18	7.18	2.30	2.28	26.5	26.55	48.7	49.00	3.66	3.69	28.44	28.265	47	40
M3	5/11/2024	Mid-Flood	Sunny	Low	16:07	1.8	M	0.90	2			7.17	7.18	2.25	2.28	26.6	26.55	49.3	49.00	3.71	3.69	28.09	28.265	32	40
M1	5/11/2024	Mid-Ebb	Sunny	Low	11:00	2.4	M	1.20	1	0.074	327.104	7.15	7.15	2.45	2.50	26.3	26.35	33.8	32.85	2.54	2.47	16.62	16.58	29	29
M1	5/11/2024	Mid-Ebb	Sunny	Low	11:01	2.4	M	1.20	2			7.14	7.15	2.54	2.50	26.4	26.35	31.9	32.85	2.4	2.47	16.54	16.58	28	29
M2	5/11/2024	Mid-Ebb	Sunny	Low	10:28	2	M	1.00	1	0.059	307.743	7.17	7.18	2.33	2.31	26.3	26.35	35.6	35.95	2.68	2.71	15.68	15.65	33	33
M2	5/11/2024	Mid-Ebb	Sunny	Low	10:28	2	M	1.00	2			7.18	7.18	2.29	2.31	26.4	26.35	36.3	35.95	2.73	2.71	15.62	15.65	33	33
M3	5/11/2024	Mid-Ebb	Sunny	Low	11:19	1.9	M	0.95	1	0.076	316.444	7.11	7.10	2.33	2.31	26.3	26.35	49.9	48.95	3.75	3.68	25.48	25.425	32	36
M3	5/11/2024	Mid-Ebb	Sunny	Low	11:19	1.9	M	0.95	2			7.09	7.10	2.29	2.31	26.4	26.35	48.0	48.95	3.61	3.68	25.37	25.425	40	36

Remark

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

For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	7/11/2024	Mid-Flood	Sunny	Low	16:56	2.4	M	1.20	1	0.086	188.518	7.21	7.22	3.22	3.27	26.1	26.15	36.7	36.50	2.76	2.75	19.91	20.02	2.5	3
M1	7/11/2024	Mid-Flood	Sunny	Low	16:57	2.4	M	1.20	2			7.22	7.22	3.31	3.27	26.2	26.15	36.3	36.50	2.73	2.75	20.13	20.02	2.5	3
M2	7/11/2024	Mid-Flood	Sunny	Low	17:28	2	M	1.00	1	0.086	180.877	7.19	7.20	3.18	3.16	26.1	26.15	35.6	35.55	2.68	2.68	20.89	20.78	2.5	3
M2	7/11/2024	Mid-Flood	Sunny	Low	17:28	2	M	1.00	2			7.21	7.20	3.14	3.16	26.2	26.15	35.5	35.55	2.67	2.68	20.67	20.78	2.5	3
M3	7/11/2024	Mid-Flood	Sunny	Low	17:49	1.8	M	0.90	1	0.074	189.182	7.16	7.16	4.08	4.11	26.1	26.15	45.8	45.70	3.44	3.44	28.44	28.345	2.5	3
M3	7/11/2024	Mid-Flood	Sunny	Low	17:49	1.8	M	0.90	2			7.16	7.16	4.13	4.11	26.2	26.15	45.6	45.70	3.43	3.44	28.25	28.345	2.5	3
M1	7/11/2024	Mid-Ebb	Sunny	Low	12:51	2.3	M	1.15	1	0.073	314.016	7.2	7.19	3.46	3.46	25.9	25.95	37.1	37.65	2.79	2.83	18.64	18.735	2.5	3
M1	7/11/2024	Mid-Ebb	Sunny	Low	12:51	2.3	M	1.15	2			7.18	7.19	3.46	3.46	26.0	25.95	38.2	37.65	2.87	2.83	18.83	18.735	2.5	3
M2	7/11/2024	Mid-Ebb	Sunny	Low	12:19	2	M	1.00	1	0.077	343.435	7.21	7.22	3.34	3.34	25.9	25.90	34.2	33.20	2.57	2.50	19.11	19.29	2.5	3
M2	7/11/2024	Mid-Ebb	Sunny	Low	12:19	2	M	1.00	2			7.23	7.22	3.33	3.34	25.9	25.90	32.2	33.20	2.42	2.50	19.47	19.29	2.5	3
M3	7/11/2024	Mid-Ebb	Sunny	Low	13:04	1.9	M	0.95	1	0.06	312.279	7.18	7.18	4.15	4.12	25.9	25.90	46.7	46.70	3.51	3.51	25.69	25.56	2.5	3
M3	7/11/2024	Mid-Ebb	Sunny	Low	13:05	1.9	M	0.95	2			7.17	7.18	4.08	4.12	25.9	25.90	46.7	46.70	3.51	3.51	25.43	25.56	2.5	3

Remark

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

For Flood Tide

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

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
M2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
M2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
M3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
M3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
M1	9/11/2024	Mid-Ebb	Sunny	Low	17:41	2.4	M	1.20	1	0.071	334.14	7.11	7.12	2.49	2.46	26.1	26.15	34.7	34.05	2.61	2.56	22.55	22.485	2.5	3
M1	9/11/2024	Mid-Ebb	Sunny	Low	17:41	2.4	M	1.20	2			7.12	7.18	2.43	2.43	26.2	26.10	33.4	35.50	2.51	2.67	22.42	26.395	2.5	3
M2	9/11/2024	Mid-Ebb	Sunny	Low	17:07	2	M	1.00	1	0.069	343.623	7.17	7.18	2.45	2.43	26.1	26.10	36.3	35.50	2.73	2.67	26.43	26.395	2.5	3
M2	9/11/2024	Mid-Ebb	Sunny	Low	17:07	2	M	1.00	2			7.19	7.18	2.41	2.43	26.1	26.10	34.7	35.50	2.61	2.67	26.36	26.395	2.5	3
M3	9/11/2024	Mid-Ebb	Sunny	Low	17:52	1.9	M	0.95	1	0.07	302.794	7.12	7.11	3.49	3.47	26.1	26.15	48.7	48.90	3.66	3.68	36.72	36.56	3	3
M3	9/11/2024	Mid-Ebb	Sunny	Low	17:52	1.9	M	0.95	2			7.1	7.11	3.45	3.47	26.2	26.15	49.1	48.90	3.69	3.68	36.4	36.56	2.5	3

Remark

1. Orange and Bold: Action Level Exceedance (For Impact Station Only)
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For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	12/11/2024	Mid-Flood	Sunny	Low	9:58	2.5	M	1.25	1	0.08	190.14	7.18	7.18	3.31	3.30	26.6	26.60	33.8	32.85	2.54	2.47	18.69	18.845	4	4
M1	12/11/2024	Mid-Flood	Sunny	Low	9:58	2.5	M	1.25	2			7.18	7.18	3.28	3.30	26.6	26.60	31.9	32.85	2.4	2.47	19	18.845	3	4
M2	12/11/2024	Mid-Flood	Sunny	Low	10:28	2.2	M	1.10	1	0.081	183.242	7.2	7.19	3.35	3.32	26.6	26.65	33.4	32.75	2.51	2.46	16.76	16.77	5	6
M2	12/11/2024	Mid-Flood	Sunny	Low	10:29	2.2	M	1.10	2			7.18	7.18	3.28	3.32	26.7	26.65	32.1	32.75	2.41	2.46	16.78	16.77	6	6
M3	12/11/2024	Mid-Flood	Sunny	Low	10:42	1.9	M	0.95	1	0.085	166.827	7.16	7.17	3.68	3.68	26.6	26.65	50.1	49.50	3.77	3.73	24.55	24.725	11	12
M3	12/11/2024	Mid-Flood	Sunny	Low	10:42	1.9	M	0.95	2			7.17	7.17	3.67	3.68	26.7	26.65	48.9	49.50	3.68	3.73	24.9	24.725	13	12
M1	12/11/2024	Mid-Ebb	Sunny	Low	17:18	2.4	M	1.20	1	0.072	335.289	7.18	7.18	3.29	3.30	26.4	26.40	33.9	34.15	2.55	2.57	19.67	19.63	10	10
M1	12/11/2024	Mid-Ebb	Sunny	Low	17:18	2.4	M	1.20	2			7.17	7.17	3.31	3.30	26.4	26.40	34.4	34.15	2.59	2.57	19.59	19.63	10	10
M2	12/11/2024	Mid-Ebb	Sunny	Low	16:44	2.2	M	1.10	1	0.078	310.426	7.18	7.18	3.43	3.48	26.4	26.40	35.2	34.95	2.65	2.63	18.62	18.575	13	13
M2	12/11/2024	Mid-Ebb	Sunny	Low	16:44	2.2	M	1.10	2			7.17	7.17	3.52	3.48	26.4	26.40	34.7	34.95	2.61	2.63	18.53	18.575	13	13
M3	12/11/2024	Mid-Ebb	Sunny	Low	17:30	2	M	1.00	1	0.069	318.833	7.17	7.18	3.88	3.91	26.4	26.40	52.5	51.80	3.95	3.90	25.59	25.64	6	6
M3	12/11/2024	Mid-Ebb	Sunny	Low	17:30	2	M	1.00	2			7.19	7.18	3.94	3.91	26.4	26.40	51.1	51.80	3.84	3.90	25.69	25.64	6	6

Remark

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3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day.
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5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.
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	16/11/2024	Mid-Flood	Sunny	Low	13:16	2.6	M	1.30	1	0.074	179.251	7.16	7.16	2.99	3.02	26.8	26.80	37.1	36.15	2.79	2.72	21.75	21.74	19	20
M1	16/11/2024	Mid-Flood	Sunny	Low	13:16	2.6	M	1.30	2			7.16	7.16	3.05	3.02	26.8	26.80	35.2	36.15	2.65	2.72	21.73	21.74	19	20
M2	16/11/2024	Mid-Flood	Sunny	Low	13:48	2.1	M	1.05	1	0.09	190.601	7.16	7.17	3.05	3.02	26.8	26.80	39.8	40.45	2.99	3.04	22.66	22.53	23	21
M2	16/11/2024	Mid-Flood	Sunny	Low	13:48	2.1	M	1.05	2			7.18	7.17	2.98	3.02	26.8	26.80	41.1	40.45	3.09	3.04	22.4	22.53	18	21
M3	16/11/2024	Mid-Flood	Sunny	Low	13:55	1.9	M	0.95	1	0.083	175.862	7.11	7.12	3.68	3.67	26.8	26.80	46.7	47.10	3.51	3.54	30.15	30.09	17	19
M3	16/11/2024	Mid-Flood	Sunny	Low	13:55	1.9	M	0.95	2			7.13	7.12	3.65	3.67	26.8	26.80	47.5	47.10	3.57	3.54	30.03	30.09	21	19
M1	16/11/2024	Mid-Ebb	Sunny	Low	10:28	2.4	M	1.20	1	0.079	320.825	7.15	7.16	2.82	2.86	26.7	26.70	36.3	35.70	2.73	2.69	18.99	19.155	19	18
M1	16/11/2024	Mid-Ebb	Sunny	Low	10:28	2.4	M	1.20	2			7.16	7.16	2.89	2.86	26.7	26.70	35.1	35.70	2.64	2.69	19.32	19.155	17	18
M2	16/11/2024	Mid-Ebb	Sunny	Low	9:53	2.1	M	1.05	1	0.074	314.567	7.19	7.20	2.96	2.92	26.7	26.75	35.6	35.35	2.68	2.66	19.90	20.02	18	18
M2	16/11/2024	Mid-Ebb	Sunny	Low	9:53	2.1	M	1.05	2			7.21	7.20	2.87	2.92	26.8	26.75	35.1	35.35	2.64	2.66	20.14	20.02	17	18
M3	16/11/2024	Mid-Ebb	Sunny	Low	10:41	1.9	M	0.95	1	0.081	327.879	7.15	7.14	3.77	3.82	26.7	26.75	48.7	47.95	3.66	3.61	31.60	31.475	19	20
M3	16/11/2024	Mid-Ebb	Sunny	Low	10:41	1.9	M	0.95	2			7.13	7.14	3.86	3.82	26.8	26.75	47.2	47.95	3.55	3.61	31.35	31.475	20	20

Remark

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

For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	19/11/2024	Mid-Flood	Sunny	Low	15:15	2.4	M	1.20	1	0.095	182.848	7.12	7.13	2.55	2.55	26.1	26.15	34.3	33.40	2.58	2.51	22.58	22.51	28	28
M1	19/11/2024	Mid-Flood	Sunny	Low	15:15	2.4	M	1.20	2			7.14	7.11	2.54	2.62	26.2	26.10	32.5	37.10	2.44	2.79	22.44	24.01	28	24
M2	19/11/2024	Mid-Flood	Sunny	Low	15:48	2.3	M	1.15	1	0.092	174.987	7.11	7.11	2.61	2.62	26.1	26.10	36.8	37.10	2.77	2.79	23.83	24.01	23	24
M2	19/11/2024	Mid-Flood	Sunny	Low	15:49	2.3	M	1.15	2			7.1	7.13	2.63	2.62	26.1	26.10	37.4	37.10	2.81	2.79	24.19	24.01	25	24
M3	19/11/2024	Mid-Flood	Sunny	Low	15:58	2	M	1.00	1	0.084	186.259	7.13	7.12	3.44	3.43	26.1	26.15	50.7	50.90	3.81	3.83	29.91	30.05	23	26
M3	19/11/2024	Mid-Flood	Sunny	Low	15:58	2	M	1.00	2			7.11	7.12	3.41	3.43	26.2	26.15	51.1	50.90	3.84	3.83	30.19	30.05	29	26
M1	19/11/2024	Mid-Ebb	Sunny	Low	11:00	2.5	M	1.25	1	0.078	313.197	7.16	7.15	2.46	2.42	26.0	26.05	36.3	35.55	2.73	2.68	20.55	20.515	29	27
M1	19/11/2024	Mid-Ebb	Sunny	Low	11:00	2.5	M	1.25	2			7.14	7.14	2.37	2.42	26.1	26.05	34.8	35.55	2.62	2.68	20.48	20.515	24	27
M2	19/11/2024	Mid-Ebb	Sunny	Low	10:32	2.1	M	1.05	1	0.072	308.158	7.17	7.18	2.64	2.64	26.0	26.05	35.8	35.10	2.69	2.64	21.77	21.74	25	30
M2	19/11/2024	Mid-Ebb	Sunny	Low	10:33	2.1	M	1.05	2			7.19	7.19	2.64	2.64	26.1	26.05	34.4	35.10	2.59	2.64	21.71	21.74	35	30
M3	19/11/2024	Mid-Ebb	Sunny	Low	11:16	2	M	1.00	1	0.066	335.92	7.16	7.16	3.33	3.33	26.0	26.05	50.1	49.50	3.77	3.73	30.79	30.64	37	35
M3	19/11/2024	Mid-Ebb	Sunny	Low	11:16	2	M	1.00	2			7.15	7.16	3.33	3.33	26.1	26.05	48.9	49.50	3.68	3.73	30.49	30.64	32	35

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For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	21/11/2024	Mid-Flood	Sunny	Low	16:44	2.5	M	1.25	1	0.09	186.501	7.15	7.15	3.37	3.35	26.5	26.55	37.5	38.05	2.82	2.86	19.61	19.73	14	17
M1	21/11/2024	Mid-Flood	Sunny	Low	16:44	2.5	M	1.25	2			7.14	7.12	3.33	3.39	26.6	26.50	38.6	36.05	2.9	2.86	19.85	19.73	19	17
M2	21/11/2024	Mid-Flood	Sunny	Low	17:08	2.3	M	1.15	1	0.084	176.659	7.12	7.12	3.41	3.39	26.5	26.50	35.5	36.05	2.67	2.71	20.53	20.675	22	22
M2	21/11/2024	Mid-Flood	Sunny	Low	17:08	2.3	M	1.15	2			7.11	7.15	3.37	3.39	26.5	26.50	36.6	36.05	2.75	2.71	20.82	20.675	21	22
M3	21/11/2024	Mid-Flood	Sunny	Low	17:23	2	M	1.00	1	0.085	175.716	7.15	7.15	4.42	4.46	26.5	26.50	50.0	49.00	3.76	3.69	31.68	31.635	32	28
M3	21/11/2024	Mid-Flood	Sunny	Low	17:23	2	M	1.00	2			7.14	7.15	4.49	4.46	26.5	26.50	48.0	49.00	3.61	3.69	31.59	31.635	23	28
M1	21/11/2024	Mid-Ebb	Sunny	Low	12:55	2.5	M	1.25	1	0.066	326	7.2	7.21	3.44	3.46	26.3	26.35	35.4	35.70	2.66	2.69	21.88	21.835	21	20
M1	21/11/2024	Mid-Ebb	Sunny	Low	12:55	2.5	M	1.25	2			7.21	7.21	3.48	3.46	26.4	26.35	36.0	35.70	2.71	2.69	21.79	21.835	19	20
M2	21/11/2024	Mid-Ebb	Sunny	Low	12:25	2	M	1.00	1	0.067	303.15	7.12	7.12	3.39	3.36	26.3	26.35	33.9	34.10	2.55	2.57	22.92	22.96	31	32
M2	21/11/2024	Mid-Ebb	Sunny	Low	12:25	2	M	1.00	2			7.11	7.12	3.33	3.36	26.4	26.35	34.3	34.10	2.58	2.57	23	22.96	33	32
M3	21/11/2024	Mid-Ebb	Sunny	Low	13:09	1.8	M	0.90	1	0.075	303.884	7.19	7.20	4.24	4.20	26.3	26.30	49.1	49.20	3.69	3.70	29.59	29.625	20	21
M3	21/11/2024	Mid-Ebb	Sunny	Low	13:10	1.8	M	0.90	2			7.2	7.20	4.15	4.20	26.3	26.30	49.3	49.20	3.71	3.70	29.66	29.625	22	21

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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	23/11/2024	Mid-Flood	Sunny	Low	9:52	2.5	M	1.25	1	0.088	167.438	7.08	7.09	2.48	2.52	28.5	28.55	36.8	36.90	2.77	2.78	16.84	16.98	6	6
M1	23/11/2024	Mid-Flood	Sunny	Low	9:52	2.5	M	1.25	2			7.1	7.09	2.55	2.52	28.6	28.55	37.0	36.90	2.78	2.78	17.12	16.98	5	6
M2	23/11/2024	Mid-Flood	Sunny	Low	10:29	2.2	M	1.10	1	0.075	177.759	7.09	7.09	2.31	2.27	28.5	28.50	36.6	37.10	2.75	2.79	17.92	18.08	23	21
M2	23/11/2024	Mid-Flood	Sunny	Low	10:29	2.2	M	1.10	2			7.09	7.09	2.23	2.27	28.5	28.50	37.6	37.10	2.83	2.79	18.24	18.08	18	21
M3	23/11/2024	Mid-Flood	Sunny	Low	10:44	1.9	M	0.95	1	0.082	163.566	7.11	7.12	2.33	2.30	28.5	28.50	47.2	47.55	3.55	3.58	25.55	25.62	7	8
M3	23/11/2024	Mid-Flood	Sunny	Low	10:44	1.9	M	0.95	2			7.13	7.12	2.27	2.30	28.5	28.50	47.9	47.55	3.6	3.58	25.69	25.62	9	8
M1	23/11/2024	Mid-Ebb	Sunny	Low	15:01	2.4	M	1.20	1	0.064	330.731	7.11	7.12	2.37	2.39	28.9	28.95	37.4	37.25	2.81	2.80	17.77	17.55	5	5
M1	23/11/2024	Mid-Ebb	Sunny	Low	15:01	2.4	M	1.20	2			7.12	7.12	2.41	2.39	29.0	28.95	37.1	37.25	2.79	2.80	17.34	17.55	4	5
M2	23/11/2024	Mid-Ebb	Sunny	Low	14:36	2.1	M	1.05	1	0.072	326.068	7.09	7.10	2.33	2.38	28.9	28.95	33.9	33.90	2.55	2.55	16.65	16.735	13	16
M2	23/11/2024	Mid-Ebb	Sunny	Low	14:36	2.1	M	1.05	2			7.1	7.10	2.42	2.38	29.0	28.95	33.9	33.90	2.55	2.55	16.82	16.735	19	16
M3	23/11/2024	Mid-Ebb	Sunny	Low	15:16	1.9	M	0.95	1	0.061	313.044	7.11	7.12	2.49	2.49	28.9	28.90	48.8	47.80	3.67	3.60	26.67	26.82	16	18
M3	23/11/2024	Mid-Ebb	Sunny	Low	15:16	1.9	M	0.95	2			7.12	7.12	2.49	2.49	28.9	28.90	46.8	47.80	3.52	3.60	26.97	26.82	19	18

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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	26/11/2024	Mid-Flood	Sunny	Low	9:55	2.7	M	1.35	1	0.093	189.788	7.12	7.13	2.88	2.90	25.9	25.90	33.6	32.95	2.53	2.48	18.57	18.365	14	13
M1	26/11/2024	Mid-Flood	Sunny	Low	9:55	2.7	M	1.35	2			7.13	7.13	2.91	2.90	25.9	25.90	32.3	32.95	2.43	2.48	18.16	18.365	14	13
M2	26/11/2024	Mid-Flood	Sunny	Low	10:22	2.3	M	1.15	1	0.08	169.193	7.16	7.16	2.92	2.89	25.9	25.90	37.0	36.30	2.78	2.73	19.51	19.445	14	14
M2	26/11/2024	Mid-Flood	Sunny	Low	10:22	2.3	M	1.15	2			7.16	7.16	2.85	2.89	25.9	25.90	35.6	36.30	2.68	2.73	19.38	19.445	13	14
M3	26/11/2024	Mid-Flood	Sunny	Low	10:35	2	M	1.00	1	0.09	176.974	7.14	7.13	3.33	3.35	25.9	25.90	45.8	45.80	3.44	3.44	28.88	28.815	15	15
M3	26/11/2024	Mid-Flood	Sunny	Low	10:35	2	M	1.00	2			7.12	7.13	3.37	3.35	25.9	25.90	45.8	45.80	3.44	3.44	28.75	28.815	14	15
M1	26/11/2024	Mid-Ebb	Sunny	Low	16:44	2.5	M	1.25	1	0.063	317.881	7.17	7.17	2.77	2.74	25.8	25.80	33.4	32.75	2.51	2.46	19.64	19.805	12	14
M1	26/11/2024	Mid-Ebb	Sunny	Low	16:44	2.5	M	1.25	2			7.16	7.17	2.71	2.74	25.8	25.80	32.1	32.75	2.41	2.46	19.97	19.805	16	14
M2	26/11/2024	Mid-Ebb	Sunny	Low	16:15	2.2	M	1.10	1	0.075	344.442	7.11	7.11	2.83	2.82	25.8	25.85	34.0	34.20	2.56	2.58	20.87	20.665	14	17
M2	26/11/2024	Mid-Ebb	Sunny	Low	16:15	2.2	M	1.10	2			7.11	7.11	2.81	2.82	25.9	25.85	34.4	34.20	2.59	2.58	20.46	20.665	19	17
M3	26/11/2024	Mid-Ebb	Sunny	Low	16:51	2	M	1.00	1	0.072	343.429	7.16	7.16	3.39	3.40	25.8	25.85	46.7	47.15	3.51	3.55	27.98	27.945	15	18
M3	26/11/2024	Mid-Ebb	Sunny	Low	16:51	2	M	1.00	2			7.15	7.16	3.41	3.40	25.9	25.85	47.6	47.15	3.58	3.55	27.91	27.945	20	18

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	28/11/2024	Mid-Flood	Sunny	Low	11:27	2.5	M	1.25	1	0.086	175.921	7.14	7.15	2.42	2.38	25.8	25.85	37.0	37.40	2.78	2.81	26.70	26.765	19	17
M1	28/11/2024	Mid-Flood	Sunny	Low	11:27	2.5	M	1.25	2			7.15	7.15	2.33	2.38	25.9	25.85	37.8	37.40	2.84	2.81	26.83	26.765	15	17
M2	28/11/2024	Mid-Flood	Sunny	Low	11:55	2.4	M	1.20	1	0.079	189.792	7.19	7.19	2.31	2.35	25.8	25.85	34.2	33.60	2.57	2.53	25.92	25.73	14	17
M2	28/11/2024	Mid-Flood	Sunny	Low	11:55	2.4	M	1.20	2			7.19	7.19	2.39	2.35	25.9	25.85	33.0	33.60	2.48	2.53	25.54	25.73	19	17
M3	28/11/2024	Mid-Flood	Sunny	Low	12:06	2.1	M	1.05	1	0.083	163.089	7.2	7.21	3.03	3.05	25.8	25.85	51.6	51.35	3.88	3.86	31.64	31.525	20	20
M3	28/11/2024	Mid-Flood	Sunny	Low	12:06	2.1	M	1.05	2			7.21	7.21	3.06	3.05	25.9	25.85	51.1	51.35	3.84	3.86	31.41	31.525	20	20
M1	28/11/2024	Mid-Ebb	Sunny	Low	17:33	2.5	M	1.25	1	0.075	323.172	7.13	7.13	2.40	2.43	25.6	25.65	35.4	34.45	2.66	2.59	22.74	22.82	17	17
M1	28/11/2024	Mid-Ebb	Sunny	Low	17:33	2.5	M	1.25	2			7.12	7.12	2.45	2.43	25.7	25.65	33.5	34.45	2.52	2.59	22.9	22.82	16	17
M2	28/11/2024	Mid-Ebb	Sunny	Low	16:59	2.1	M	1.05	1	0.061	300.66	7.15	7.16	2.49	2.49	25.6	25.60	35.9	36.30	2.7	2.73	23.60	23.6	22	22
M2	28/11/2024	Mid-Ebb	Sunny	Low	16:59	2.1	M	1.05	2			7.17	7.17	2.48	2.49	25.6	25.60	36.7	36.30	2.76	2.73	23.6	23.6	22	22
M3	28/11/2024	Mid-Ebb	Sunny	Low	17:45	2	M	1.00	1	0.067	339.853	7.13	7.13	3.11	3.12	25.6	25.60	49.9	50.35	3.75	3.79	30.61	30.615	21	20
M3	28/11/2024	Mid-Ebb	Sunny	Low	17:45	2	M	1.00	2			7.13	7.13	3.13	3.12	25.6	25.60	50.8	50.35	3.82	3.79	30.62	30.615	19	20

Remark

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

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	30/11/2024	Mid-Flood	Sunny	Low	12:50	2.7	M	1.35	1	0.087	162.469	7.15	7.16	3.69	3.65	25.5	25.50	36.7	36.45	2.76	2.74	16.71	16.705	24	25
M1	30/11/2024	Mid-Flood	Sunny	Low	12:50	2.7	M	1.35	2			7.17	7.16	3.6	3.65	25.5	25.50	36.2	36.45	2.72	2.74	16.7	16.705	26	25
M2	30/11/2024	Mid-Flood	Sunny	Low	13:28	2.5	M	1.25	1	0.084	178.905	7.16	7.15	3.83	3.79	25.5	25.50	36.0	36.15	2.71	2.72	18.85	18.905	30	32
M2	30/11/2024	Mid-Flood	Sunny	Low	13:28	2.5	M	1.25	2			7.14	7.15	3.75	3.79	25.5	25.50	36.3	36.15	2.73	2.72	18.96	18.905	33	32
M3	30/11/2024	Mid-Flood	Sunny	Low	13:44	2.1	M	1.05	1	0.073	189.643	7.13	7.13	4.43	4.42	25.5	25.50	47.0	47.55	3.54	3.58	24.63	24.655	13	16
M3	30/11/2024	Mid-Flood	Sunny	Low	13:44	2.1	M	1.05	2			7.12	7.13	4.4	4.42	25.5	25.50	48.1	47.55	3.62	3.58	24.68	24.655	18	16
M1	30/11/2024	Mid-Ebb	Sunny	Low	10:21	2.5	M	1.25	1	0.063	302.024	7.17	7.16	3.37	3.42	25.6	25.60	34.2	34.00	2.57	2.56	16.74	16.78	26	21
M1	30/11/2024	Mid-Ebb	Sunny	Low	10:21	2.5	M	1.25	2			7.15	7.16	3.46	3.42	25.6	25.60	33.8	34.00	2.54	2.56	16.82	16.78	15	21
M2	30/11/2024	Mid-Ebb	Sunny	Low	9:45	2.3	M	1.15	1	0.077	336.173	7.15	7.16	3.45	3.41	25.6	25.60	34.8	34.95	2.62	2.63	18.60	18.67	19	17
M2	30/11/2024	Mid-Ebb	Sunny	Low	9:45	2.3	M	1.15	2			7.17	7.16	3.37	3.41	25.6	25.60	35.1	34.95	2.64	2.63	18.74	18.67	15	17
M3	30/11/2024	Mid-Ebb	Sunny	Low	10:33	2	M	1.00	1	0.066	306.906	7.2	7.20	4.45	4.48	25.6	25.65	45.1	45.45	3.39	3.42	25.53	25.415	30	32
M3	30/11/2024	Mid-Ebb	Sunny	Low	10:33	2	M	1.00	2			7.19	7.20	4.51	4.48	25.7	25.65	45.8	45.45	3.44	3.42	25.3	25.415	34	32

Remark

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

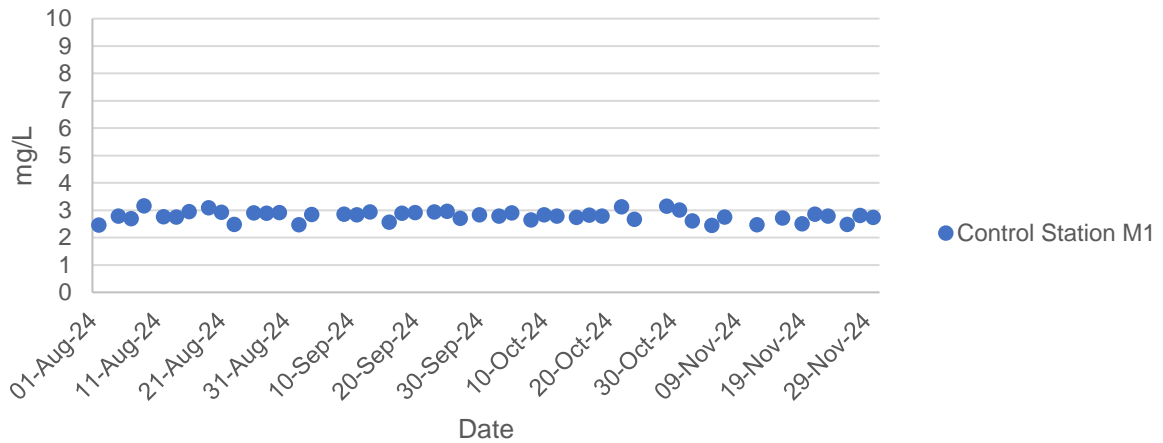
For Flood Tide

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

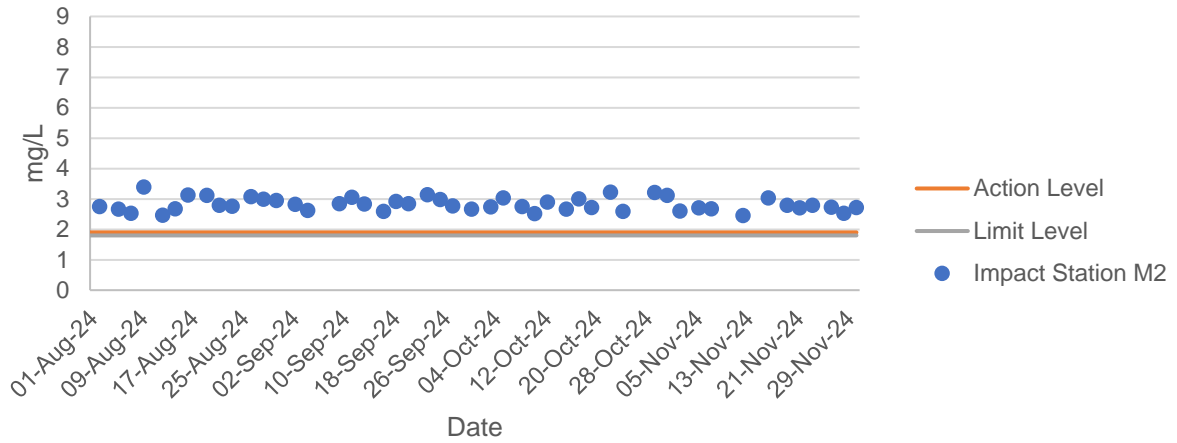
For Ebb Tide

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

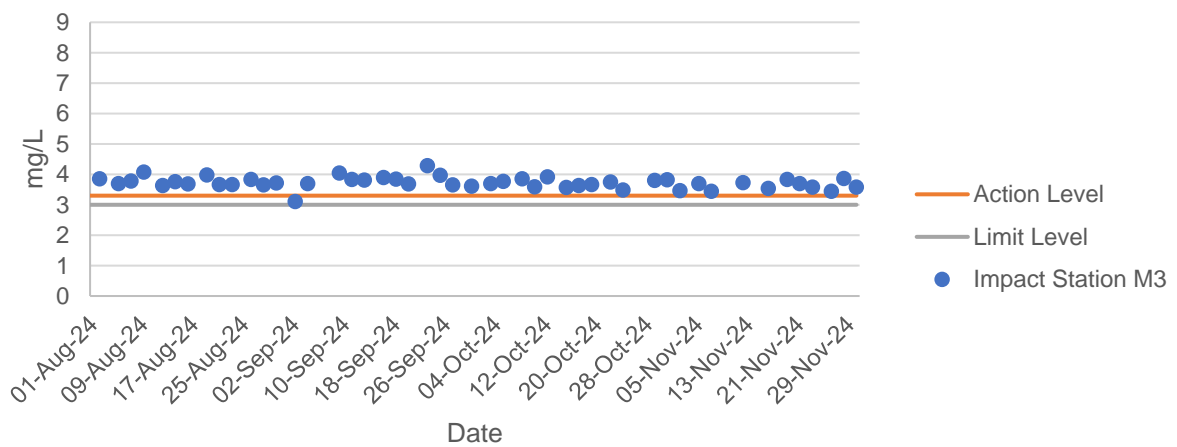
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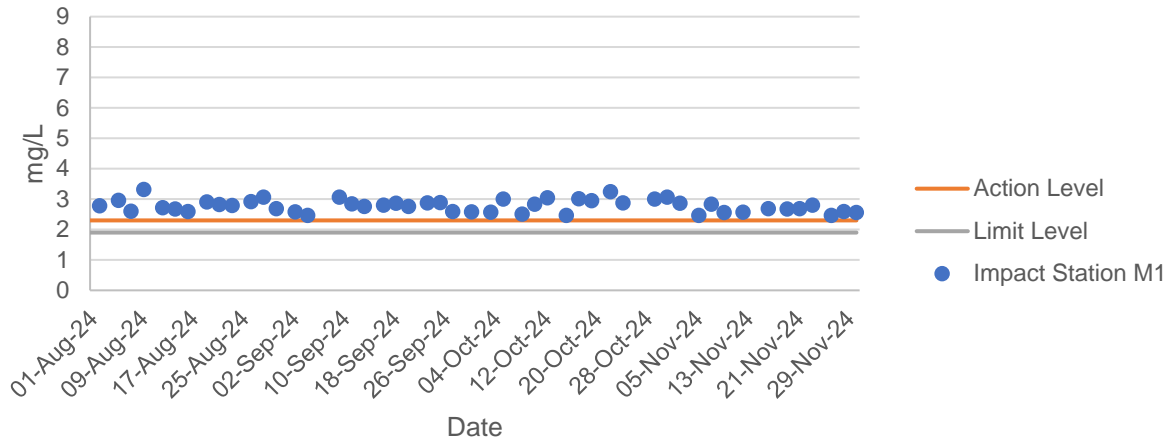
### Dissolved Oxygen at Mid-Flood Tide



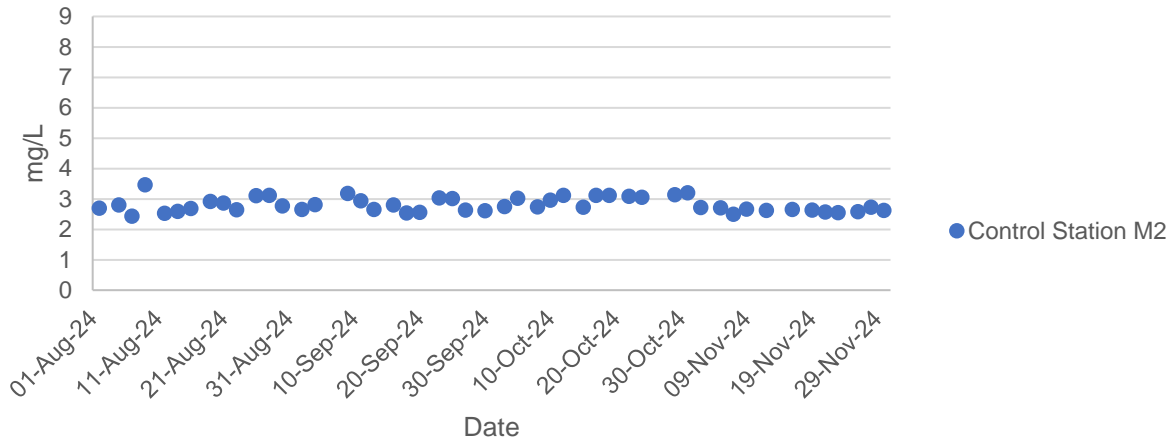
### Dissolved Oxygen at Mid-Flood Tide



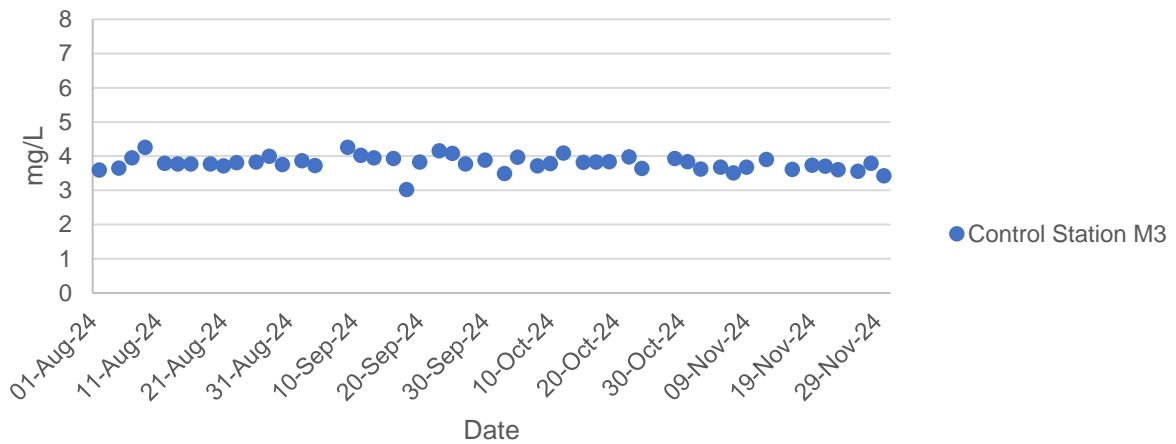
### Dissolved Oxygen at Mid-Ebb Tide



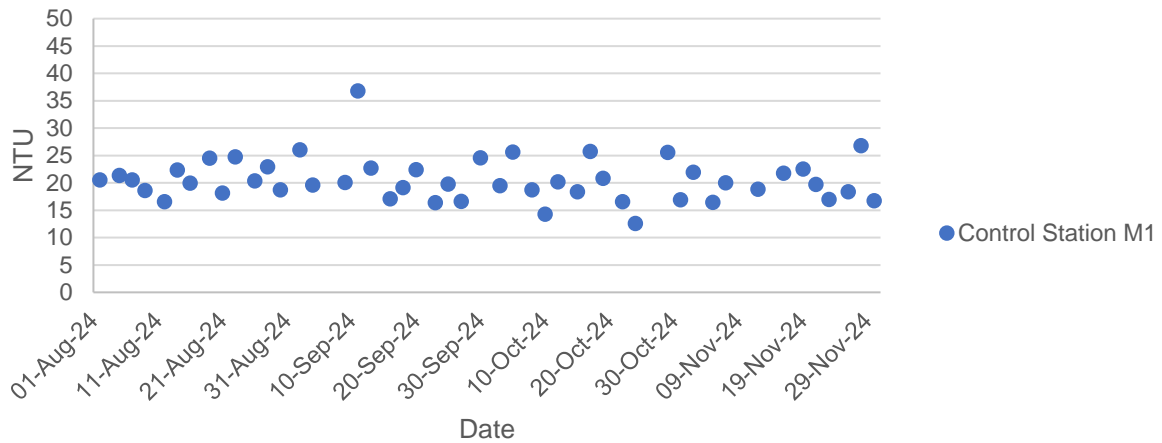
### Dissolved Oxygen at Mid-Ebb Tide



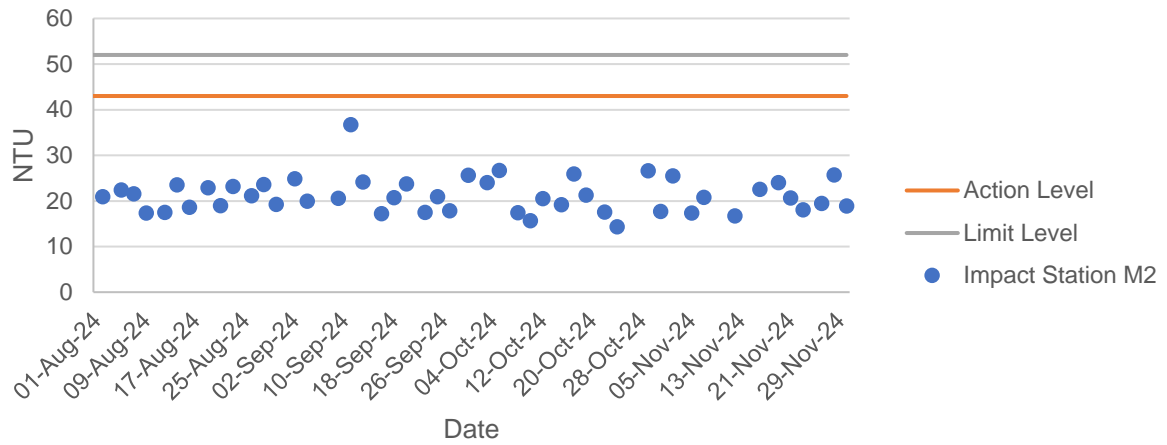
### Dissolved Oxygen at Mid-Ebb Tide



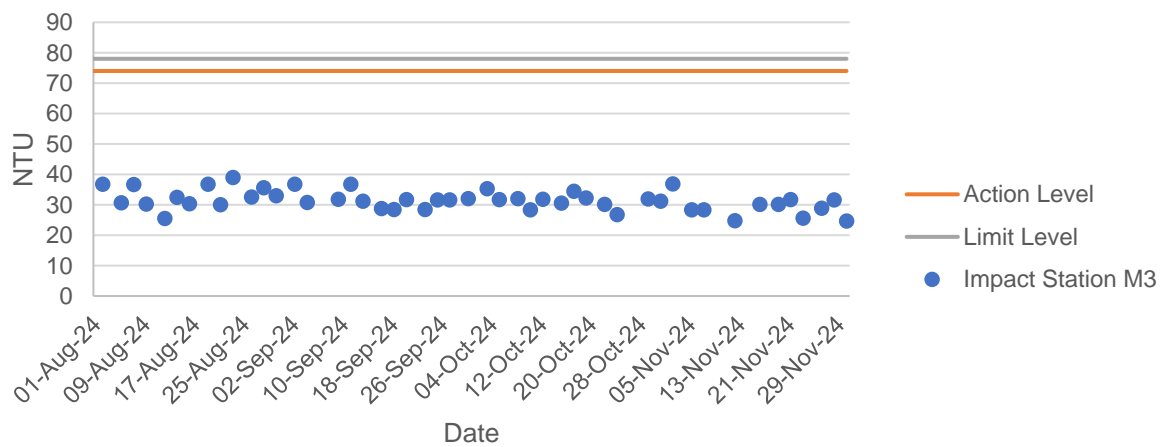
### Turbidity at Mid-Flood Tide



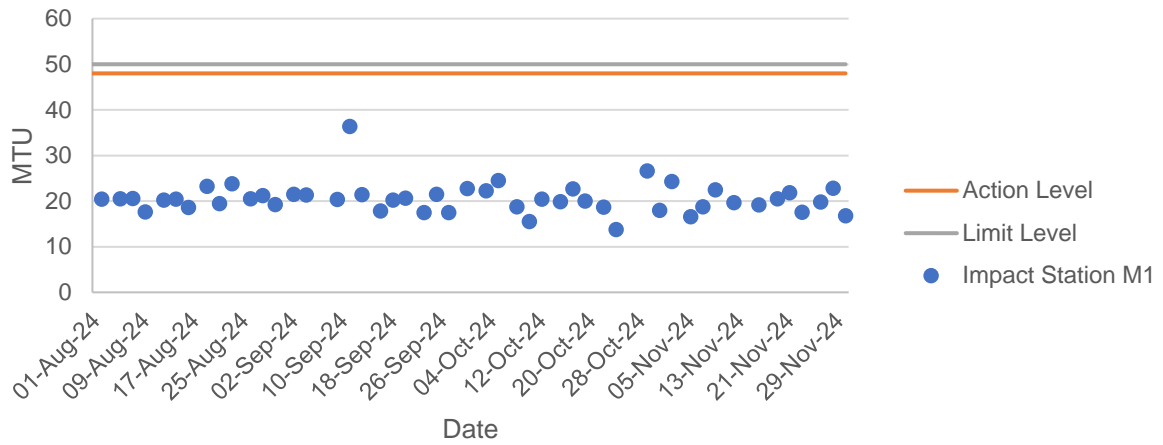
### Turbidity at Mid-Flood Tide



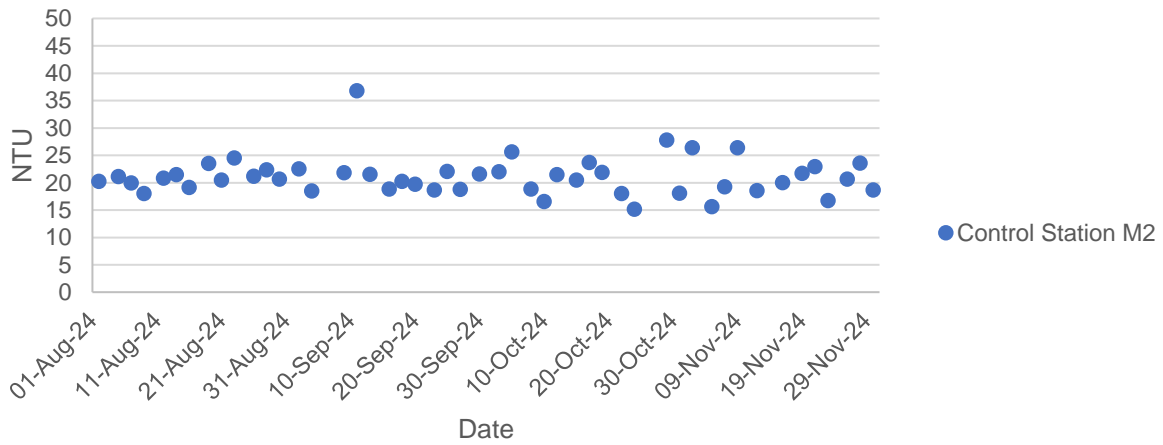
### Turbidity at Mid-Flood Tide



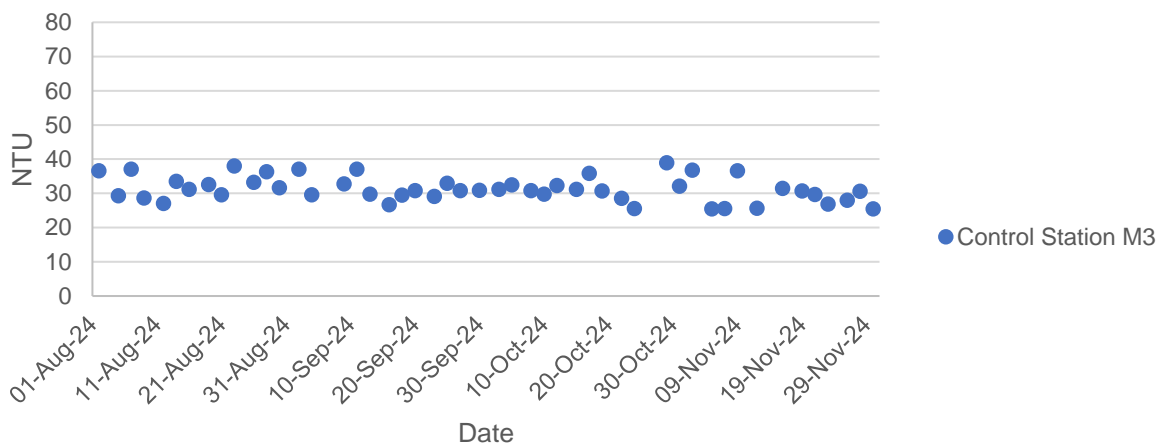
### Turbidity at Mid-Ebb Tide



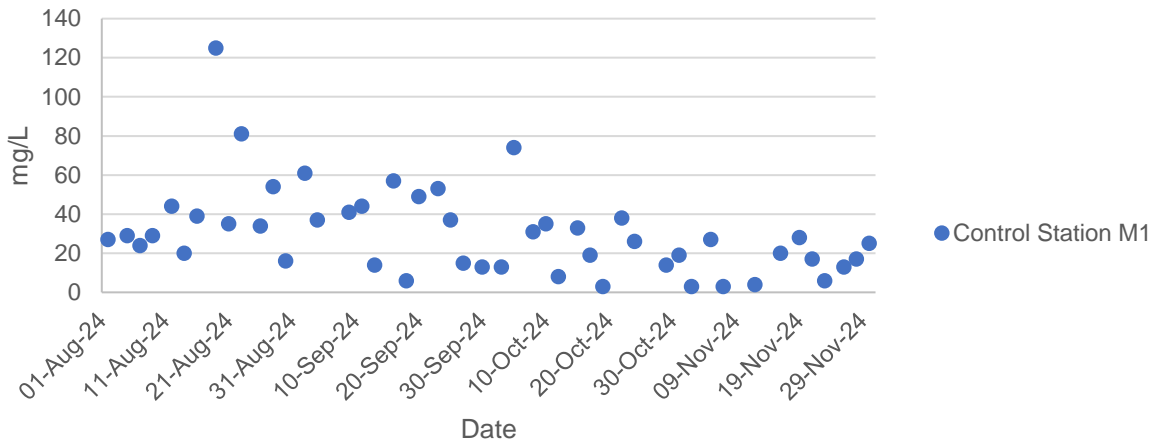
### Turbidity at Mid-Ebb Tide



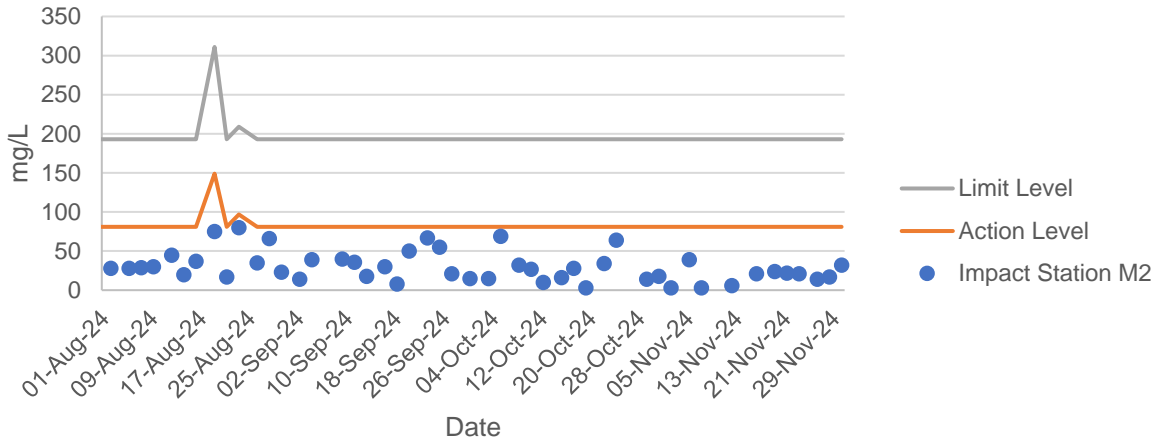
### Turbidity at Mid-Ebb Tide



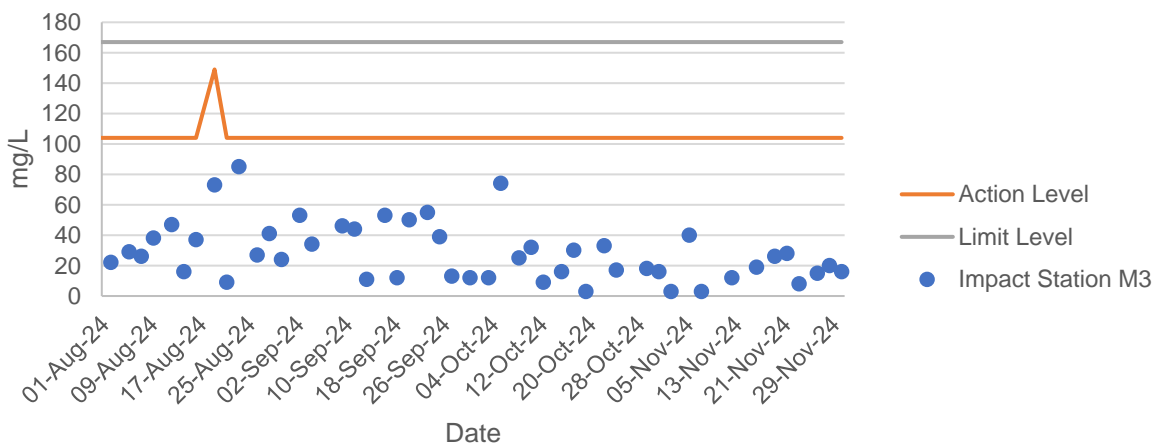
### Total Suspended Solids at Mid-Flood Tide



### Total Suspended Solids at Mid-Flood Tide

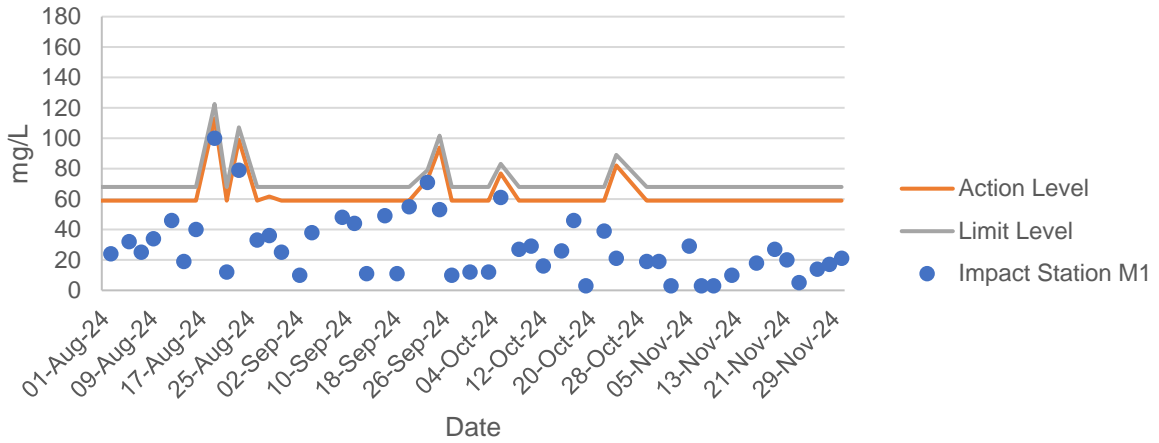


### Total Suspended Solids at Mid-Flood Tide

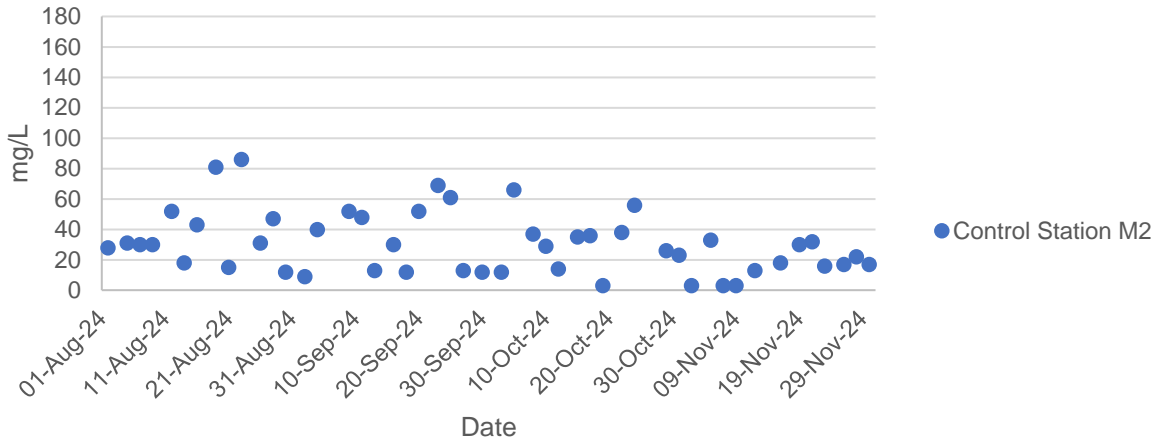




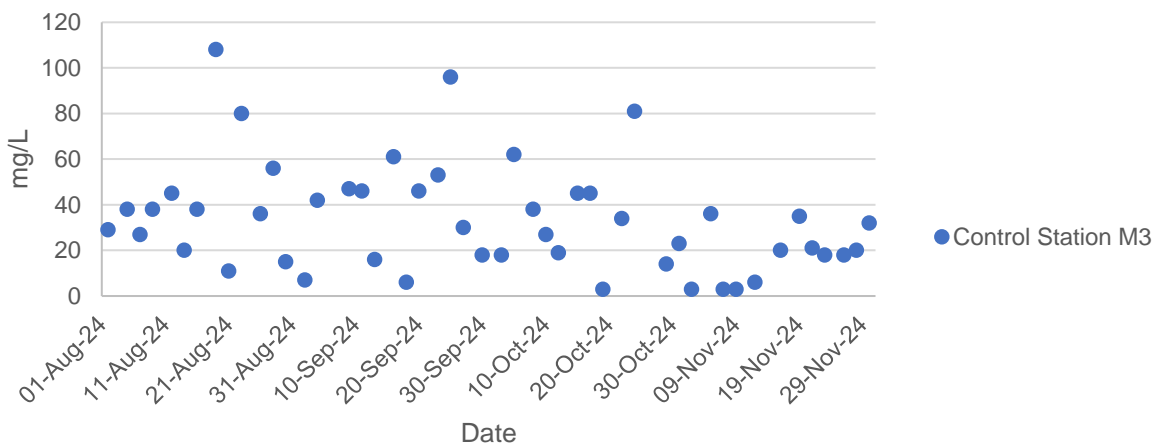
### Total Suspended Solids at Mid-Ebb Tide



### Total Suspended Solids at Mid-Ebb Tide



### Total Suspended Solids at Mid-Ebb Tide



Ecology Monitoring Results for

Contract No. SPW 02/2023

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

## Appendix F.1 Ecological Bird Monitoring Result (5 November 2024)

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
5/11/2024	Daytime	Dry	FLW	Point Count	FLW2	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	FLW	Point Count	FLW2	Black-winged Stilt	<i>Himantopus himantopus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	FLW	Point Count	FLW2	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW2	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW2	Large-billed Crow	<i>Corvus macrorhynchos</i>	2	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	FLW	Point Count	FLW3	House Swift	<i>Apus nipalensis</i>	5	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW3	Crested Myna	<i>Acridotheres cristatellus</i>	6	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW3	Common Myna	<i>Acridotheres tristis</i>	2	Uncommon	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW3	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW4	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	FLW	Point Count	FLW4	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW4	Spotted Dove	<i>Spilopelia chinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW4	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW4	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW4	Black-collared Starling	<i>Gracupica nigricollis</i>	5	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW4	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW4	Scaly-breasted Munia	<i>Lonchura punctulata</i>	10	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW4	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW4	Oriental Reed Warbler	<i>Acrocephalus orientalis</i>	1	Common	PM	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW5	Little Grebe	<i>Tachybaptus ruficollis</i>	2	Common	R	LC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	FLW	Point Count	FLW5	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	FLW	Point Count	FLW5	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	FLW	Point Count	FLW5	Great Cormorant	<i>Phalacrocorax carbo</i>	9	Common	WV	PRC	-	-	LC	LC	Y	Y

## Appendix F.1 Ecological Bird Monitoring Result (5 November 2024)

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
5/11/2024	Daytime	Dry	FLW	Point Count	FLW5	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	FLW	Point Count	FLW5	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
5/11/2024	Daytime	Dry	FLW	Point Count	FLW5	Black-winged Stilt	<i>Himantopus himantopus</i>	3	Common	PM	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	FLW	Point Count	FLW5	Barn Swallow	<i>Hirundo rustica</i>	5	Abundant	PM,SV	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW5	Zitting Cisticola	<i>Cisticola juncidis</i>	1	Common	PM,WV	LC	-	-	LC	LC	Y	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW5	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW5	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW5	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW5	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW5	Black-faced Bunting	<i>Emberiza spodocephala</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW5	Siberian Rubythroat	<i>Calliope calliope</i>	1	Common	W	-	Class II	-	-	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW6	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	FLW	Point Count	FLW6	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
5/11/2024	Daytime	Dry	FLW	Point Count	FLW6	Spotted Dove	<i>Spilopelia chinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW6	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW6	Azure-winged Magpie	<i>Cyanopica cyanus</i>	24	Introduced	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW6	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW6	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW6	Crested Myna	<i>Acridotheres crisatellus</i>	14	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW6	Black-collared Starling	<i>Gracupica nigricollis</i>	8	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW7	Yellow Bittern	<i>Ixobrychus sinensis</i>	1	Uncommon	PM,SV	-	-	-	LC	LC	N	Y
5/11/2024	Daytime	Dry	FLW	Point Count	FLW7	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	1	Common	R,WV	-	-	-	LC	LC	N	Y
5/11/2024	Daytime	Dry	FLW	Point Count	FLW7	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	FLW	Point Count	FLW7	Great Cormorant	<i>Phalacrocorax carbo</i>	7	Common	WV	PRC	-	-	LC	LC	Y	Y

## Appendix F.1 Ecological Bird Monitoring Result (5 November 2024)

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5/11/2024	Daytime	Dry	FLW	Point Count	FLW7	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
5/11/2024	Daytime	Dry	FLW	Point Count	FLW7	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW7	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW7	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
5/11/2024	Daytime	Dry	FLW	Point Count	FLW7	Collared Crow	<i>Corvus torquatus</i>	2	Uncommon	R	LC	-	-	NT	VU	Y	Y
5/11/2024	Daytime	Dry	FLW	Point Count	FLW7	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Little Grebe	<i>Tachybaptus ruficollis</i>	2	Common	R	LC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Great Cormorant	<i>Phalacrocorax carbo</i>	8	Common	WV	PRC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Great Cormorant	<i>Phalacrocorax carbo</i>	11	Common	WV	PRC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	FLW	Transect	FLW	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Little Ringed Plover	<i>Charadrius dubius</i>	3	Common	WV,PM	-	-	-	LC	LC	N	Y
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Asian Koel	<i>Eudynamis scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Transect	FLW	White-throated Kingfisher	<i>Halcyon smymensis</i>	1	Common	R	-	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Crested Myna	<i>Acridotheres cristatellus</i>	3	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Crested Myna	<i>Acridotheres cristatellus</i>	15	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Common Myna	<i>Acridotheres tristis</i>	4	Uncommon	R	-	-	-	LC	LC	N	N

## Appendix F.1 Ecological Bird Monitoring Result (5 November 2024)

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5/11/2024	Daytime	Dry	FLW	Transect	FLW	Red-billed Starling	<i>Spodiopsar sericeus</i>	2	Common	WV	GC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	8	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Transect	FLW	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	FLW	Transect	FLW	Olive-backed Pipit	<i>Anthus hodgsoni</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	Little Egret	<i>Egretta garzetta</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	Great Cormorant	<i>Phalacrocorax carbo</i>	115	Common	WV	PRC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	Black-winged Stilt	<i>Himantopus himantopus</i>	5	Common	PM	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	Green Sandpiper	<i>Tringa ochropus</i>	1	Uncommon	PM,WV	-	-	-	LC	LC	N	Y
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	3	Common	-	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	6	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	Asian Koel	<i>Eudynamys scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	Azure-winged Magpie	<i>Cyanopica cyanus</i>	17	Introduced	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	Japanese Tit	<i>Parus minor</i>	3	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	30	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	5	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	Eurasian Tree Sparrow	<i>Passer montanus</i>	34	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N

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5/11/2024	Daytime	Dry	NSW	Point Count	NSW1	Oriental Reed Warbler	<i>Acrocephalus orientalis</i>	1	Common	PM	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Eurasian Teal	<i>Anas crecca</i>	3	Common	WV	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Grey Heron	<i>Ardea cinerea</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Great Cormorant	<i>Phalacrocorax carbo</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Black-winged Stilt	<i>Himantopus himantopus</i>	17	Common	PM	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Common Redshank	<i>Tringa totanus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Marsh Sandpiper	<i>Tringa stagnatilis</i>	1	Common	PM,WV	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Common Greenshank	<i>Tringa nebularia</i>	3	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	5	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Dusky Warbler	<i>Phylloscopus fuscatus</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	White-shouldered Starling	<i>Sturnia sinensis</i>	4	Common	M,W,Su	(LC)	-	-	-	LC	Y	N
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Black-browed Reed Warbler	<i>Acrocephalus bistrigiceps</i>	3	Common	PM	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Black-faced Spoonbill	<i>Platalea minor</i>	1	Common	WV	PGC	Class II	EN	EN	EN	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	12	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Grey Heron	<i>Ardea cinerea</i>	3	Common	WV	PRC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Great Cormorant	<i>Phalacrocorax carbo</i>	4	Common	WV	PRC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Black-winged Stilt	<i>Himantopus himantopus</i>	14	Common	PM	RC	-	-	LC	LC	Y	Y

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5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Redshank	<i>Tringa totanus</i>	3	Common	PM	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Greenshank	<i>Tringa nebularia</i>	3	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Dusky Warbler	<i>Phylloscopus fuscatus</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Eurasian Wigeon	<i>Mareca penelope</i>	22	Common	WV	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Eurasian Teal	<i>Anas crecca</i>	8	Common	WV	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	5	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Grey Heron	<i>Ardea cinerea</i>	5	Common	WV	PRC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Great Egret	<i>Ardea alba</i>	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Great Cormorant	<i>Phalacrocorax carbo</i>	6	Common	WV	PRC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Black-winged Stilt	<i>Himantopus himantopus</i>	27	Common	PM	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Snipe	<i>Gallinago gallinago</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Sandpiper	<i>Actitis hypoleucos</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Redshank	<i>Tringa totanus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Marsh Sandpiper	<i>Tringa stagnatilis</i>	2	Common	PM,WV	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	8	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Swinhoe's White-eye	<i>Zosterops simplex</i>	5	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Transect	NSW	White-breasted Waterhen	<i>Amauromis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
5/11/2024	Daytime	Dry	NSW	Transect	NSW	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Transect	NSW	Spotted Dove	<i>Spilopelia chinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Transect	NSW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	6	Introduced	R	-	-	-	LC	LC	N	N



## Appendix F.1 Ecological Bird Monitoring Result (5 November 2024)

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
5/11/2024	Daytime	Dry	NSW	Transect	NSW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Transect	NSW	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Transect	NSW	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Transect	NSW	Swinhoe's White-eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	NSW	Transect	NSW	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Eurasian Wigeon	<i>Mareca penelope</i>	3	Common	WV	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Eurasian Teal	<i>Anas crecca</i>	3	Common	WV	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Chinese Pond Heron	<i>Ardeola bacchus</i>	7	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Grey Heron	<i>Ardea cinerea</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Great Egret	<i>Ardea alba</i>	6	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Great Cormorant	<i>Phalacrocorax carbo</i>	8	Common	WV	PRC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Moorhen	<i>Gallinula chloropus</i>	1	Common	R	-	-	-	LC	LC	N	Y
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Black-winged Stilt	<i>Himantopus himantopus</i>	36	Common	PM	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Pied Avocet	<i>Recurvirostra avosetta</i>	5	Abundant	WV	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Redshank	<i>Tringa totanus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Greenshank	<i>Tringa nebularia</i>	3	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	-	-	-	LC	LC	Y	Y
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>	2	Common	R	-	-	-	-	LC	N	N
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Dusky Warbler	<i>Phylloscopus fuscatus</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Plain Prinia	<i>Prinia inornata</i>	3	Common	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Swinhoe's White-eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Crested Myna	<i>Acridotheres crisatellus</i>	12	Common	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (5 November 2024)

Date (dd/mm/yyyy)	Daytime/Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Daurian Redstart	<i>Phoenicurus aureus</i>	1	Common	WV	-	-	-	LC	LC	N	N
5/11/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Black-browed Reed Warbler	<i>Acrocephalus bistrigiceps</i>	1	Common	PM	-	-	-	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): 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 (5 November 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Mareca penelope</i>	22	0.0359	-3.3273	-0.1194	0.3973
<i>Anas crecca</i>	11	0.0179	-4.0205	-0.0721	0.2901
<i>Tachybaptus ruficollis</i>	2	0.0033	-5.7252	-0.0187	0.1069
<i>Platalea minor</i>	1	0.0016	-6.4184	-0.0105	0.0672
<i>Ixobrychus sinensis</i>	1	0.0016	-6.4184	-0.0105	0.0672
<i>Nycticorax nycticorax</i>	1	0.0016	-6.4184	-0.0105	0.0672
<i>Ardeola bacchus</i>	32	0.0522	-2.9526	-0.1541	0.4551
<i>Ardea cinerea</i>	12	0.0196	-3.9335	-0.0770	0.3029
<i>Ardea alba</i>	5	0.0082	-4.8089	-0.0392	0.1886
<i>Egretta garzetta</i>	8	0.0131	-4.3389	-0.0566	0.2457
<i>Phalacrocorax carbo</i>	143	0.2333	-1.4555	-0.3395	0.4942
<i>Milvus migrans</i>	3	0.0049	-5.3198	-0.0260	0.1385
<i>Amauornis phoenicurus</i>	8	0.0131	-4.3389	-0.0566	0.2457
<i>Himantopus himantopus</i>	70	0.1142	-2.1699	-0.2478	0.5377
<i>Gallinago gallinago</i>	2	0.0033	-5.7252	-0.0187	0.1069
<i>Actitis hypoleucos</i>	2	0.0033	-5.7252	-0.0187	0.1069
<i>Tringa ochropus</i>	1	0.0016	-6.4184	-0.0105	0.0672
<i>Tringa totanus</i>	9	0.0147	-4.2211	-0.0620	0.2616
<i>Tringa stagnatilis</i>	3	0.0049	-5.3198	-0.0260	0.1385
<i>Tringa nebularia</i>	6	0.0098	-4.6266	-0.0453	0.2095
<i>Streptopelia decaocto</i>	7	0.0114	-4.4725	-0.0511	0.2284
<i>Spilopelia chinensis</i>	16	0.0261	-3.6458	-0.0952	0.3469
<i>Centropus sinensis</i>	4	0.0065	-5.0321	-0.0328	0.1652
<i>Eudynamis scolopaceus</i>	1	0.0016	-6.4184	-0.0105	0.0672
<i>Apus nipalensis</i>	5	0.0082	-4.8089	-0.0392	0.1886
<i>Lanius schach</i>	1	0.0016	-6.4184	-0.0105	0.0672
<i>Cyanopica cyanus</i>	41	0.0669	-2.7048	-0.1809	0.4893
<i>Corvus torquatus</i>	2	0.0033	-5.7252	-0.0187	0.1069
<i>Corvus macrorhynchos</i>	2	0.0033	-5.7252	-0.0187	0.1069
<i>Parus minor</i>	3	0.0049	-5.3198	-0.0260	0.1385
<i>Pycnonotus jocosus</i>	18	0.0294	-3.5280	-0.1036	0.3655
<i>Pycnonotus sinensis</i>	4	0.0065	-5.0321	-0.0328	0.1652
<i>Hirundo rustica</i>	5	0.0082	-4.8089	-0.0392	0.1886
<i>Phylloscopus fuscatus</i>	5	0.0082	-4.8089	-0.0392	0.1886
<i>Acrocephalus bistrigiceps</i>	3	0.0049	-5.3198	-0.0260	0.1385
<i>Cisticola juncidis</i>	1	0.0016	-6.4184	-0.0105	0.0672
<i>Prinia flaviventris</i>	1	0.0016	-6.4184	-0.0105	0.0672
<i>Prinia inornata</i>	4	0.0065	-5.0321	-0.0328	0.1652
<i>Orthotomus sutorius</i>	1	0.0016	-6.4184	-0.0105	0.0672
<i>Pterorhinus perspicillatus</i>	4	0.0065	-5.0321	-0.0328	0.1652
<i>Zosterops simplex</i>	5	0.0082	-4.8089	-0.0392	0.1886
<i>Acridotheres cristatellus</i>	50	0.0816	-2.5063	-0.2044	0.5124
<i>Acridotheres tristis</i>	2	0.0033	-5.7252	-0.0187	0.1069
<i>Gracupica nigricollis</i>	22	0.0359	-3.3273	-0.1194	0.3973
<i>Sturnia sinensis</i>	4	0.0065	-5.0321	-0.0328	0.1652
<i>Copsychus saularis</i>	1	0.0016	-6.4184	-0.0105	0.0672
<i>Saxicola stejnegeri</i>	3	0.0049	-5.3198	-0.0260	0.1385
<i>Passer montanus</i>	34	0.0555	-2.8920	-0.1604	0.4639
<i>Lonchura punctulata</i>	10	0.0163	-4.1158	-0.0671	0.2763

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Motacilla alba</i>	7	0.0114	-4.4725	-0.0511	0.2284
<i>Emberiza spodocephala</i>	2	0.0033	-5.7252	-0.0187	0.1069
<i>Acrocephalus orientalis</i>	2	0.0033	-5.7252	-0.0187	0.1069
<i>Calliope calliope</i>	1	0.0016	-6.4184	-0.0105	0.0672
Total	613	1.00	-259.2573	-3.0188	10.8048
Richness	53				
SS	10.8048				
SQ	9.1132				
H	3.0188				
S <sup>2</sup> H	0.0028				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (5 November 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Mareca penelope</i>	22	0.0647	-2.7379	-0.1772	0.4850
<i>Anas crecca</i>	11	0.0324	-3.4311	-0.1110	0.3809
<i>Tachybaptus ruficollis</i>	2	0.0059	-5.1358	-0.0302	0.1552
<i>Platalea minor</i>	1	0.0029	-5.8289	-0.0171	0.0999
<i>Ixobrychus sinensis</i>	1	0.0029	-5.8289	-0.0171	0.0999
<i>Nycticorax nycticorax</i>	1	0.0029	-5.8289	-0.0171	0.0999
<i>Ardeola bacchus</i>	32	0.0941	-2.3632	-0.2224	0.5256
<i>Ardea cinerea</i>	12	0.0353	-3.3440	-0.1180	0.3947
<i>Ardea alba</i>	5	0.0147	-4.2195	-0.0621	0.2618
<i>Egretta garzetta</i>	8	0.0235	-3.7495	-0.0882	0.3308
<i>Phalacrocorax carbo</i>	143	0.4206	-0.8661	-0.3643	0.3155
<i>Milvus migrans</i>	3	0.0088	-4.7303	-0.0417	0.1974
<i>Himantopus himantopus</i>	70	0.2059	-1.5805	-0.3254	0.5143
<i>Tringa totanus</i>	9	0.0265	-3.6317	-0.0961	0.3491
<i>Tringa stagnatilis</i>	3	0.0088	-4.7303	-0.0417	0.1974
<i>Tringa nebularia</i>	6	0.0176	-4.0372	-0.0712	0.2876
<i>Centropus sinensis</i>	4	0.0118	-4.4427	-0.0523	0.2322
<i>Corvus torquatus</i>	2	0.0059	-5.1358	-0.0302	0.1552
<i>Cisticola juncidis</i>	1	0.0029	-5.8289	-0.0171	0.0999
<i>Sturnia sinensis</i>	4	0.0118	-4.4427	-0.0523	0.2322
Total	340	1	-81.8940	-1.9529	5.4147
Richness	20				
SS	5.4147				
SQ	3.8139				
H	1.9529				
S <sup>2</sup> H	0.0048				

Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method) in All Habitats (5 November 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Mareca penelope</i>	3	0.0147	-4.2195	-0.0621	0.2618
<i>Anas crecca</i>	3	0.0147	-4.2195	-0.0621	0.2618
<i>Tachybaptus ruficollis</i>	2	0.0098	-4.6250	-0.0453	0.2097
<i>Ardeola bacchus</i>	8	0.0392	-3.2387	-0.1270	0.4113
<i>Ardea cinerea</i>	2	0.0098	-4.6250	-0.0453	0.2097
<i>Ardea alba</i>	6	0.0294	-3.5264	-0.1037	0.3657
<i>Phalacrocorax carbo</i>	27	0.1324	-2.0223	-0.2677	0.5413
<i>Amaurornis phoenicurus</i>	4	0.0196	-3.9318	-0.0771	0.3031
<i>Gallinula chloropus</i>	1	0.0049	-5.3181	-0.0261	0.1386
<i>Himantopus himantopus</i>	36	0.1765	-1.7346	-0.3061	0.5310
<i>Recurvirostra avosetta</i>	5	0.0245	-3.7087	-0.0909	0.3371
<i>Charadrius dubius</i>	3	0.0147	-4.2195	-0.0621	0.2618
<i>Actitis hypoleucos</i>	1	0.0049	-5.3181	-0.0261	0.1386
<i>Tringa totanus</i>	2	0.0098	-4.6250	-0.0453	0.2097
<i>Tringa nebularia</i>	3	0.0147	-4.2195	-0.0621	0.2618
<i>Streptopelia decaocto</i>	2	0.0098	-4.6250	-0.0453	0.2097
<i>Spilopelia chinensis</i>	5	0.0245	-3.7087	-0.0909	0.3371
<i>Eudynamis scolopaceus</i>	1	0.0049	-5.3181	-0.0261	0.1386
<i>Halcyon smyrnensis</i>	2	0.0098	-4.6250	-0.0453	0.2097
<i>Alcedo atthis</i>	1	0.0049	-5.3181	-0.0261	0.1386
<i>Cyanopica cyanus</i>	6	0.0294	-3.5264	-0.1037	0.3657
<i>Urocissa erythroryncha</i>	2	0.0098	-4.6250	-0.0453	0.2097
<i>Pycnonotus jocosus</i>	3	0.0147	-4.2195	-0.0621	0.2618
<i>Phylloscopus fuscatus</i>	3	0.0147	-4.2195	-0.0621	0.2618
<i>Acrocephalus bistrigiceps</i>	1	0.0049	-5.3181	-0.0261	0.1386
<i>Prinia flaviventris</i>	2	0.0098	-4.6250	-0.0453	0.2097
<i>Prinia inornata</i>	6	0.0294	-3.5264	-0.1037	0.3657
<i>Orthotomus sutorius</i>	1	0.0049	-5.3181	-0.0261	0.1386
<i>Pterorhinus perspicillatus</i>	3	0.0147	-4.2195	-0.0621	0.2618
<i>Zosterops simplex</i>	4	0.0196	-3.9318	-0.0771	0.3031
<i>Acridotheres cristatellus</i>	30	0.1471	-1.9169	-0.2819	0.5404
<i>Acridotheres tristis</i>	4	0.0196	-3.9318	-0.0771	0.3031
<i>Spodiopsar sericeus</i>	2	0.0098	-4.6250	-0.0453	0.2097
<i>Gracupica nigricollis</i>	14	0.0686	-2.6791	-0.1839	0.4926
<i>Copsychus saularis</i>	1	0.0049	-5.3181	-0.0261	0.1386
<i>Phoenicurus aureoreus</i>	1	0.0049	-5.3181	-0.0261	0.1386
<i>Saxicola stejnegeri</i>	1	0.0049	-5.3181	-0.0261	0.1386
<i>Motacilla alba</i>	2	0.0098	-4.6250	-0.0453	0.2097
<i>Anthus hodgsoni</i>	1	0.0049	-5.3181	-0.0261	0.1386
Total	204	1	-165.7260	-2.9939	10.3039
Richness	39				
SS	10.3039				
SQ	8.9634				

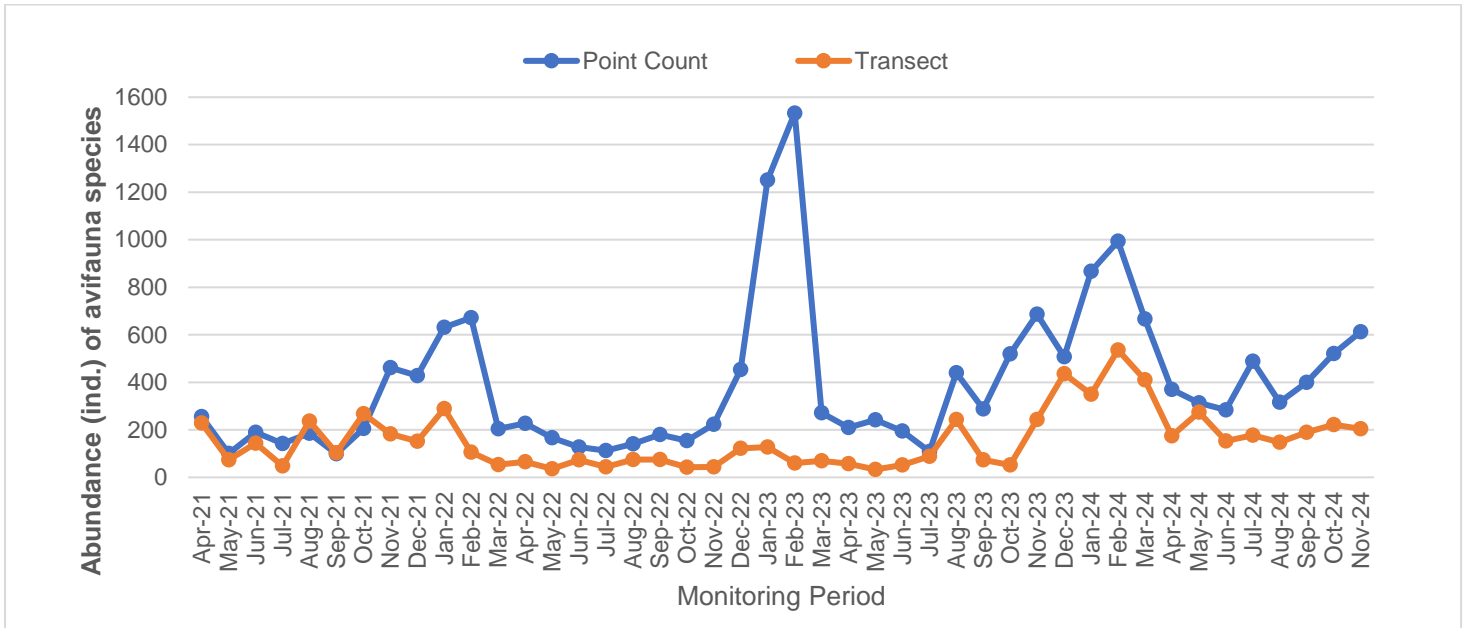
Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
H	2.9939				
S <sup>2</sup> H	0.0070				

Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (5 November 2024)

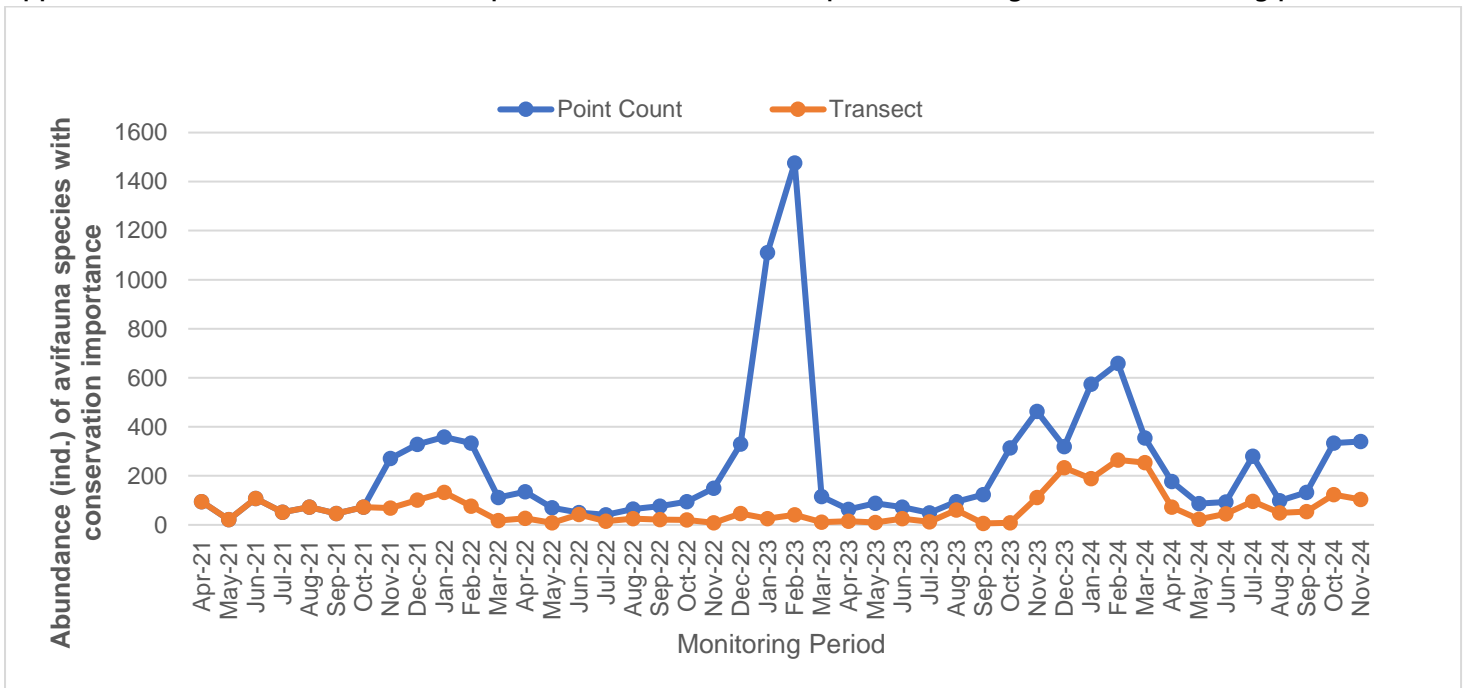
Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Mareca penelope</i>	3	0.0288	-3.5458	-0.1023	0.3627
<i>Anas crecca</i>	3	0.0288	-3.5458	-0.1023	0.3627
<i>Tachybaptus ruficollis</i>	2	0.0192	-3.9512	-0.0760	0.3002
<i>Ardeola bacchus</i>	8	0.0769	-2.5649	-0.1973	0.5061
<i>Ardea cinerea</i>	2	0.0192	-3.9512	-0.0760	0.3002
<i>Ardea alba</i>	6	0.0577	-2.8526	-0.1646	0.4695
<i>Phalacrocorax carbo</i>	27	0.2596	-1.3486	-0.3501	0.4721
<i>Himantopus himantopus</i>	36	0.3462	-1.0609	-0.3672	0.3896
<i>Recurvirostra avosetta</i>	5	0.0481	-3.0350	-0.1459	0.4428
<i>Charadrius dubius</i>	3	0.0288	-3.5458	-0.1023	0.3627
<i>Tringa totanus</i>	2	0.0192	-3.9512	-0.0760	0.3002
<i>Tringa nebularia</i>	3	0.0288	-3.5458	-0.1023	0.3627
<i>Halcyon smyrnensis</i>	2	0.0192	-3.9512	-0.0760	0.3002
<i>Spodiopsar sericeus</i>	2	0.0192	-3.9512	-0.0760	0.3002
Total	104	1	-44.8013	-2.0142	5.2320
Richness	14				
SS	5.2320				
SQ	4.0569				
H	2.0142				
S <sup>2</sup> H	0.012				



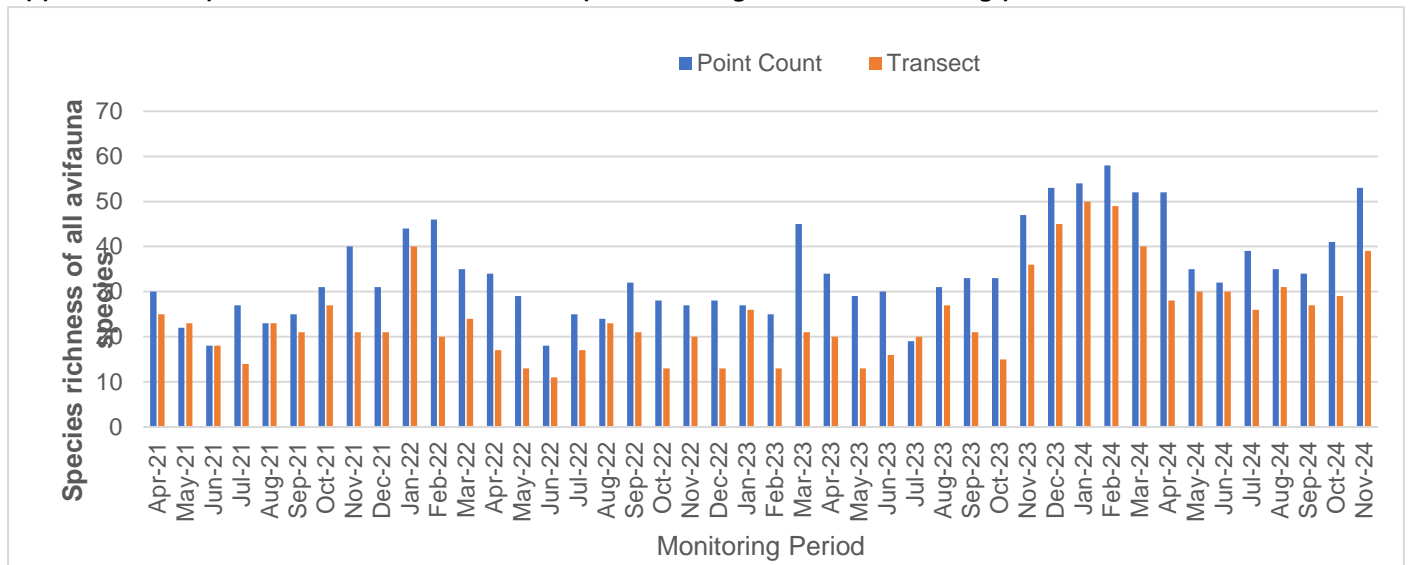
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



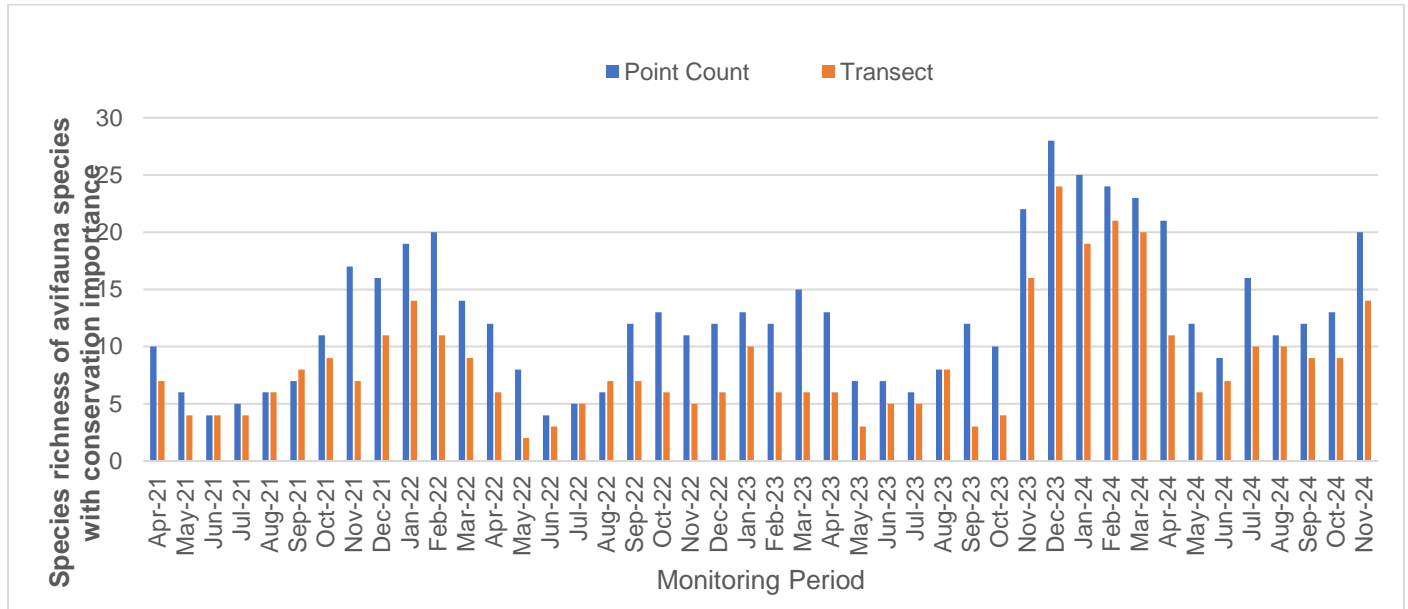
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



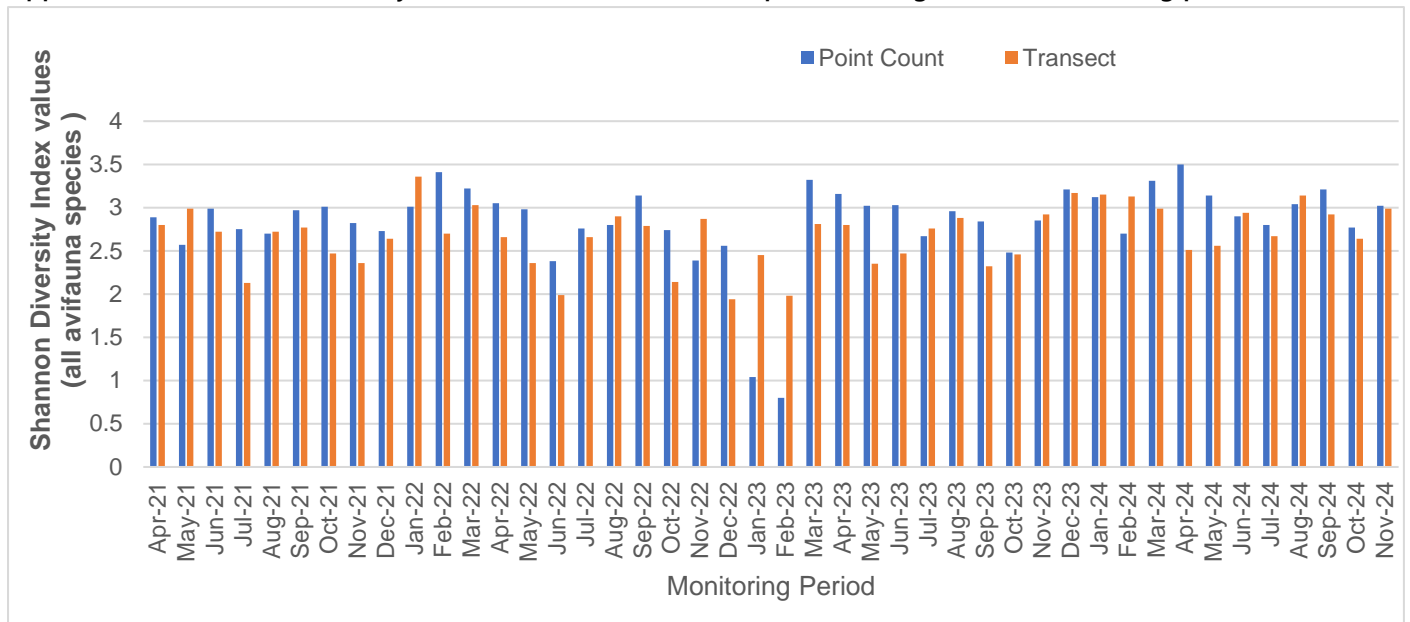
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



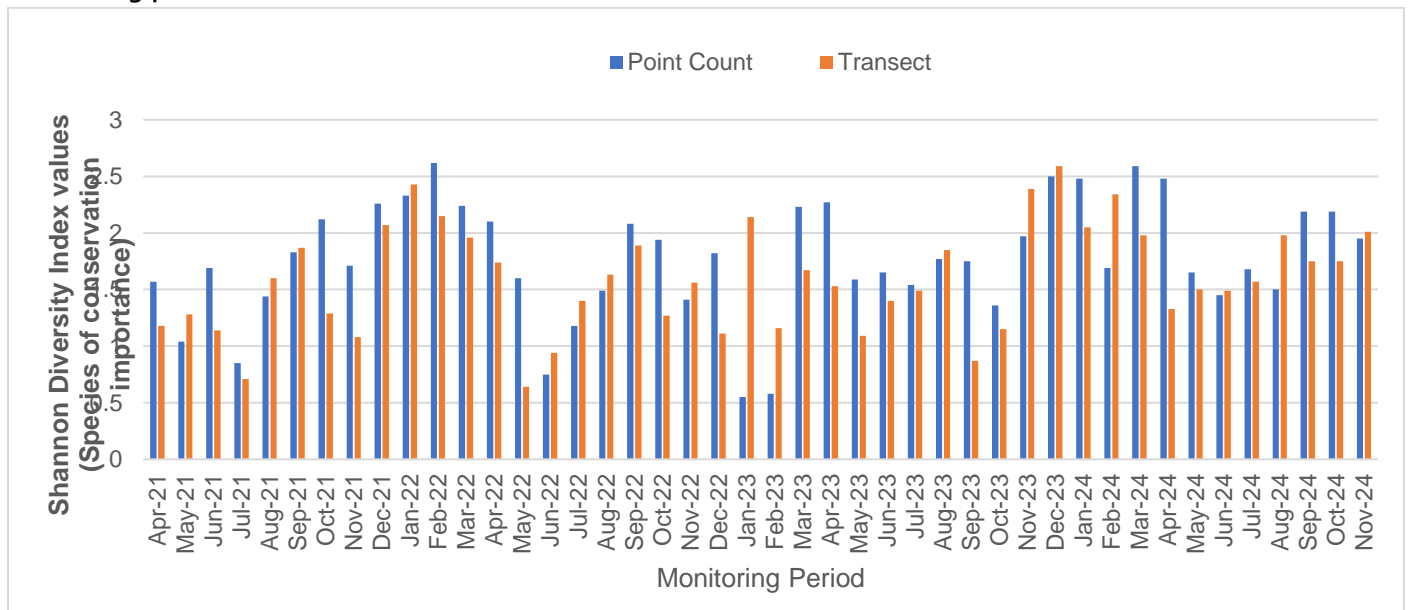
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



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	November 2016	November 2024
Total	608	613
Richness	48	53
H	2.8142	3.0188
S <sup>2</sup> H	0.0034	0.0028
t	2.5921	
df	1209.8922	
Crit	1.9619	
p	0.00965	
CI	0.1166	0.1064

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

Months	November 2016	November 2024
Total	125	204
Richness	20	39
H	2.3855	2.9939
S <sup>2</sup> H	0.01016	0.007028
t	4.6405	
df	276.6315	
Crit	1.9686	
p	5.37764E-6	
CI	0.2016	0.1677

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

Months	November 2016	November 2024
Total	394	340
Richness	20	20
H	1.9103	1.9529
S <sup>2</sup> H	0.0048	0.00479
t	0.4353	
df	730.1361	
Crit	1.9632	
p	0.6635	
CI	0.1386	0.1384

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

Months	November 2016	November 2024
Total	59	104
Richness	7	14
H	1.1216	2.0142
S <sup>2</sup> H	0.0221	0.0119
t	4.8407	
df	119.918	
Crit	1.9801	
p	3.9251E-6	
CI	0.2973	0.2182