

Air Quality Monitoring Results

1-hour TSP Monitoring Result for**Contract No. SPW 01/2025****Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1****AM1 - Topfine Machinery (China) Co. Ltd.**

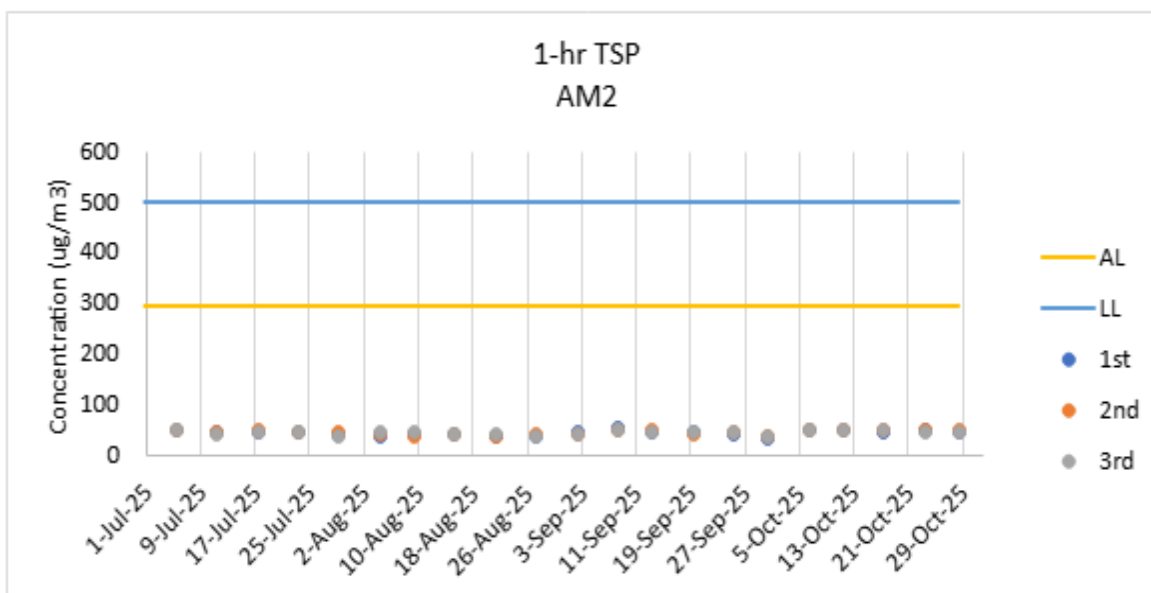
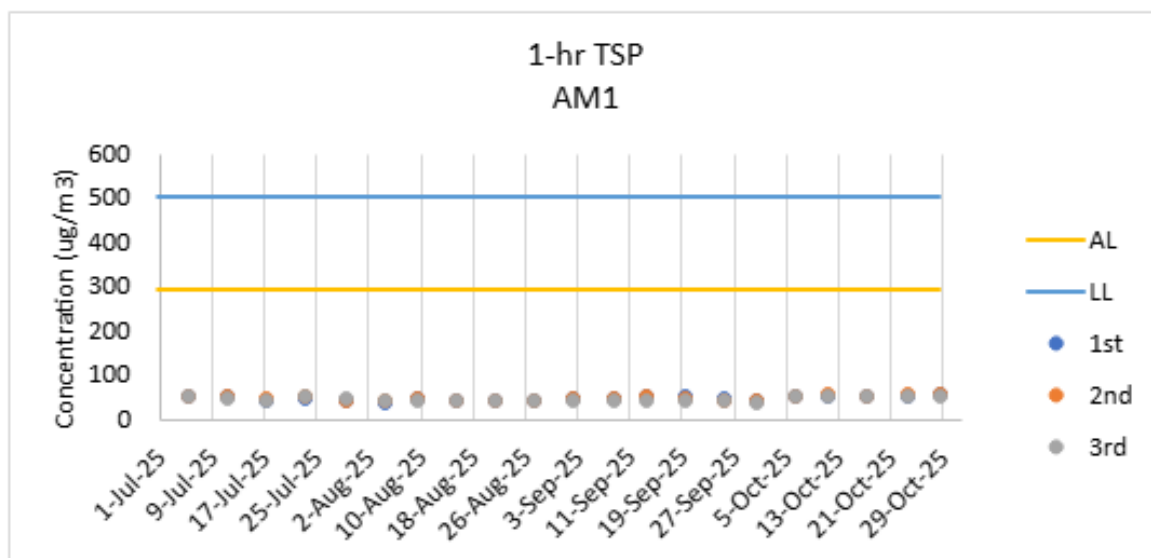
Date	Weather Condition	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Action Level (ug/m^3)	Limit Level (ug/m^3)
			1st Measurement	2nd Measurement	3rd Measurement		
6/10/2025	Fine	8:33	50	51	49	291	500
11/10/2025	Fine	8:41	51	52	50		
17/10/2025	Fine	8:12	49	51	48		
23/10/2025	Fine	9:00	51	52	49		
28/10/2025	Fine	8:06	53	55	50		
Min			48				
Max			55				
Average			51				

AM2 - Squatter house at the west of Yuen Long STW

Date	Weather Condition	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Action Level (ug/m^3)	Limit Level (ug/m^3)
			1st Measurement	2nd Measurement	3rd Measurement		
6/10/2025	Fine	13:22	49	50	51	296	500
11/10/2025	Fine	14:00	50	52	52		
17/10/2025	Fine	14:01	48	50	51		
23/10/2025	Fine	13:34	50	51	48		
28/10/2025	Fine	14:00	48	50	47		
Min			47				
Max			52				
Average			50				

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 01/2025
Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1**

CM1 - Squatter house to the north of YLSTW

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
6/10/2025	9:06	56.0	57.8	55.5	0.0		75
17/10/2025	9:16	57.5	59.4	56.4	0.0	Fine	75
23/10/2025	9:43	59.0	61.5	57.0	0.1	Fine	75
28/10/2025	8:39	61.2	62.9	59.1	0.1	Fine	75
	Max	61.2					
	Min	56.0					

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)
6/10/2025	13:22	58.2	60.2	56.5	0.0	Fine	75
17/10/2025	14:00	59.2	61.5	57.8	0.0	Fine	75
23/10/2025	13:34	60.2	62.5	58.4	0.1	Fine	75
28/10/2025	14:00	58.3	60.6	56.6	0.0	Fine	75
	Max	60.2					
	Min	58.2					

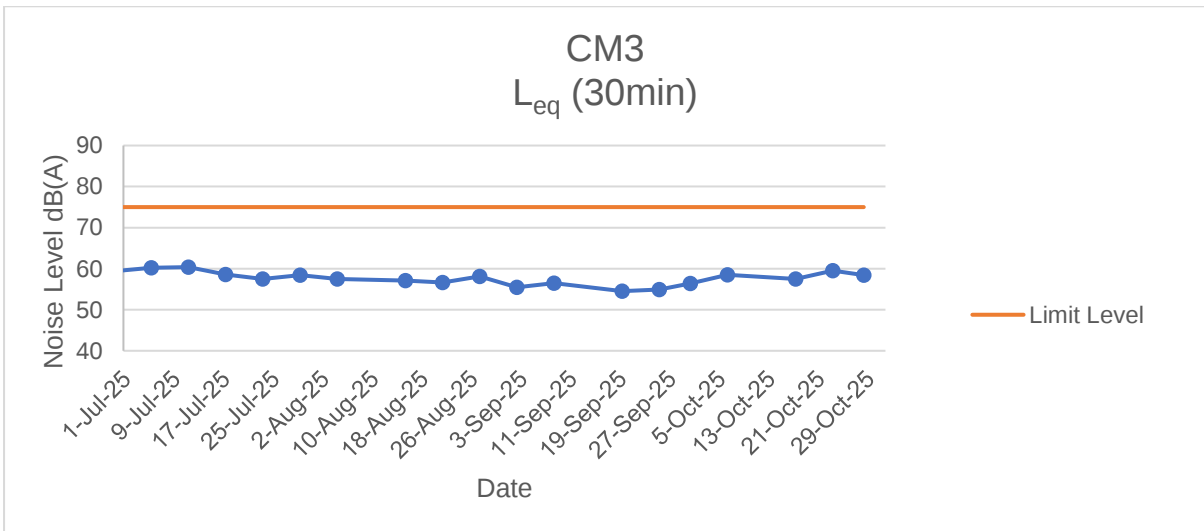
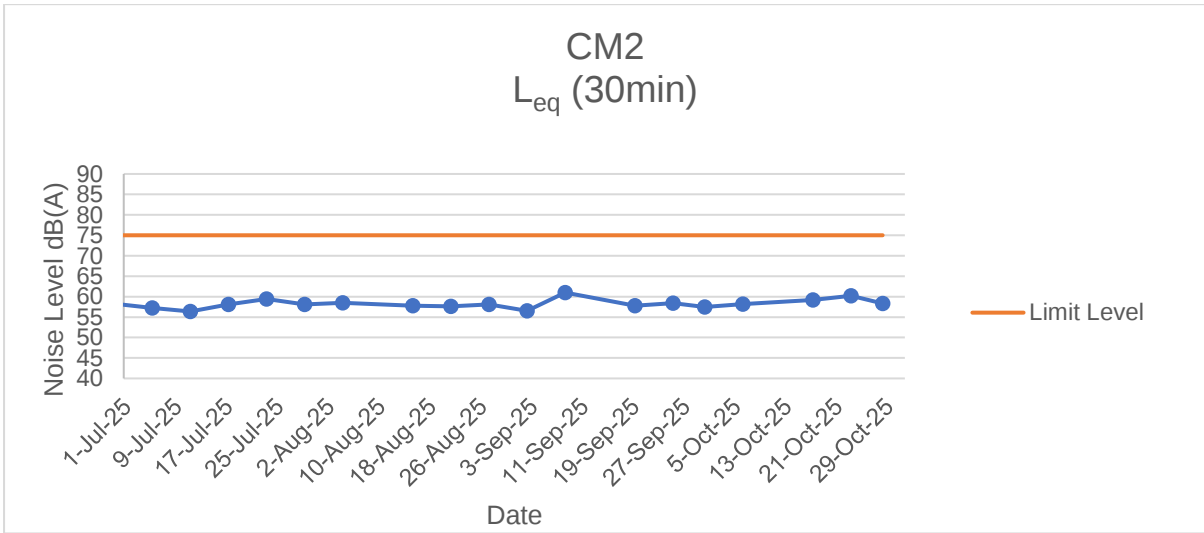
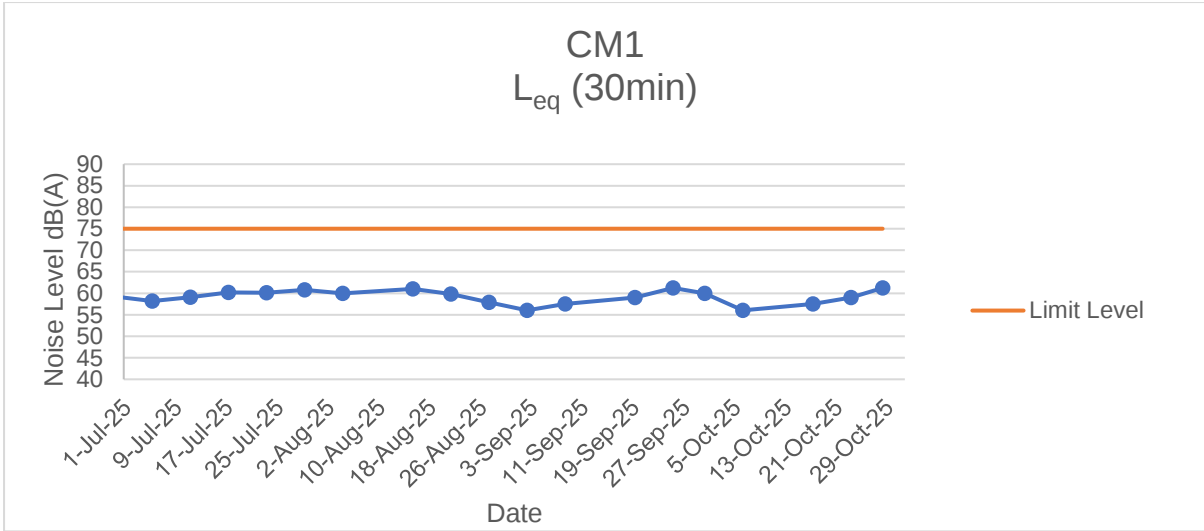
CM3 - Squatter house to the east of YLSTW

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)
6/10/2025	10:25	58.5	60.8	56.8	0.0	Fine	75
17/10/2025	10:34	57.5	59.6	56.2	0.1	Fine	75
23/10/2025	11:03	59.5	61.2	57.8	0.1	Fine	75
28/10/2025	10:00	58.4	60.6	56.9	0.0	Fine	75
	Max	59.5					
	Min	57.5					

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	30/10/2025	Mid-Flood	Cloudy	Low	10:19	2.5	M	1.25	1	0.077	171.787	7.19	7.19	4.01	4.05	26.9	26.95	45.5	45.25	3.23	3.21	24.50	24.475	22	31
M1	30/10/2025	Mid-Flood	Cloudy	Low	10:19	2.5	M	1.25	2			7.18	7.19	4.09	4.05	27	26.95	45.0	45.25	3.19	3.21	24.45	24.475	39	31
M2	30/10/2025	Mid-Flood	Cloudy	Low	10:47	2.1	M	1.05	1	0.081	167.352	7.21	7.22	3.93	3.91	26.9	26.95	44.7	43.90	3.17	3.12	25.15	25.305	53	41
M2	30/10/2025	Mid-Flood	Cloudy	Low	10:47	2.1	M	1.05	2			7.23	7.22	3.88	3.91	27	26.95	43.1	43.90	3.06	3.12	25.46	25.305	29	41
M3	30/10/2025	Mid-Flood	Cloudy	Low	10:56	1.8	M	0.90	1	0.077	161.448	7.21	7.22	4.58	4.59	26.9	26.90	58.5	59.20	4.15	4.20	30.20	30.25	28	37
M3	30/10/2025	Mid-Flood	Cloudy	Low	10:56	1.8	M	0.90	2			7.22	7.22	4.6	4.59	26.9	26.90	59.9	59.20	4.25	4.20	30.3	30.25	46	37
M1	30/10/2025	Mid-Ebb	Cloudy	Low	16:03	2.3	M	1.15	1	0.081	317.378	7.18	7.17	3.81	3.78	26.8	26.85	42.0	41.65	2.98	2.96	23.58	23.37	50	38
M1	30/10/2025	Mid-Ebb	Cloudy	Low	16:03	2.3	M	1.15	2			7.16	7.17	3.74	3.78	26.9	26.85	41.3	41.65	2.93	2.96	23.16	23.37	26	38
M2	30/10/2025	Mid-Ebb	Cloudy	Low	15:34	2.1	M	1.05	1	0.081	321.352	7.17	7.18	3.79	3.78	26.8	26.85	40.6	40.30	2.88	2.86	24.39	24.345	24	27
M2	30/10/2025	Mid-Ebb	Cloudy	Low	15:34	2.1	M	1.05	2			7.19	7.18	3.77	3.78	26.9	26.85	40.0	40.30	2.84	2.86	24.3	24.345	30	27
M3	30/10/2025	Mid-Ebb	Cloudy	Low	16:18	1.9	M	0.95	1	0.062	330.48	7.2	7.21	4.63	4.64	26.8	26.80	59.4	58.95	4.21	4.18	31.84	31.995	31	36
M3	30/10/2025	Mid-Ebb	Cloudy	Low	16:18	1.9	M	0.95	2			7.21	7.21	4.65	4.64	26.8	26.80	58.5	58.95	4.15	4.18	32.15	31.995	41	36

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	28/10/2025	Mid-Flood	Cloudy	Low	8:23	2.4	M	1.20	1	0.095	168.821	7.11	7.11	3.25	3.26	24.1	24.10	44.7	43.85	3.25	3.19	22.80	22.81	25	33
M1	28/10/2025	Mid-Flood	Cloudy	Low	8:23	2.4	M	1.20	2			7.1	7.11	3.26	3.26	24.1	24.10	43.0	43.85	3.13	3.19	22.82	22.81	40	33
M2	28/10/2025	Mid-Flood	Cloudy	Low	8:55	2.2	M	1.10	1	0.089	184.25	7.12	7.12	3.32	3.36	24.1	24.10	46.3	46.45	3.38	3.39	23.46	23.485	32	31
M2	28/10/2025	Mid-Flood	Cloudy	Low	8:55	2.2	M	1.10	2			7.12	7.12	3.4	3.36	24.1	24.10	46.6	46.45	3.4	3.39	23.51	23.485	29	31
M3	28/10/2025	Mid-Flood	Cloudy	Low	9:03	1.9	M	0.95	1	0.092	171.761	7.15	7.16	3.86	3.82	24.1	24.15	54.9	54.95	3.99	4.00	29.52	29.415	17	18
M3	28/10/2025	Mid-Flood	Cloudy	Low	9:03	1.9	M	0.95	2			7.16	7.16	3.77	3.82	24.2	24.15	55.0	54.95	4	4.00	29.31	29.415	19	18
M1	28/10/2025	Mid-Ebb	Cloudy	Low	16:57	2.3	M	1.15	1	0.06	308.008	7.09	7.09	2.99	3.03	24.3	24.35	43.7	44.25	3.19	3.23	23.93	24.045	30	31
M1	28/10/2025	Mid-Ebb	Cloudy	Low	16:57	2.3	M	1.15	2			7.09	7.09	3.07	3.03	24.4	24.35	44.8	44.25	3.27	3.23	24.16	24.045	32	31
M2	28/10/2025	Mid-Ebb	Cloudy	Low	16:25	2.1	M	1.05	1	0.075	307.924	7.1	7.11	3.08	3.05	24.3	24.30	44.5	43.90	3.25	3.21	23.16	23.275	41	45
M2	28/10/2025	Mid-Ebb	Cloudy	Low	16:25	2.1	M	1.05	2			7.12	7.11	3.01	3.05	24.3	24.30	43.3	43.90	3.16	3.21	23.39	23.275	49	45
M3	28/10/2025	Mid-Ebb	Cloudy	Low	17:08	1.9	M	0.95	1	0.077	330.814	7.16	7.15	3.85	3.82	24.3	24.35	54.9	55.45	4.01	4.05	30.95	30.85	35	33
M3	28/10/2025	Mid-Ebb	Cloudy	Low	17:08	1.9	M	0.95	2			7.14	7.15	3.78	3.82	24.4	24.35	56.0	55.45	4.09	4.05	30.75	30.85	30	33

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	25/10/2025	Mid-Flood	Cloudy	Low	15:18	2.4	M	1.20	1	0.077	178.523	7.11	7.11	2.78	2.76	25.4	25.40	41.3	2.97	2.97	2.94	21.31	21.13	2.5	3
M1	25/10/2025	Mid-Flood	Cloudy	Low	15:18	2.4	M	1.20	2			7.1	7.11	2.73	2.76	25.4	25.40	40.4	2.91	2.91	2.94	20.95	21.13	2.5	3
M2	25/10/2025	Mid-Flood	Cloudy	Low	15:47	2.1	M	1.05	1	0.08	186.909	7.12	7.11	2.85	2.85	25.4	25.45	40.0	2.88	2.88	2.90	22.28	22.46	2.5	3
M2	25/10/2025	Mid-Flood	Cloudy	Low	15:47	2.1	M	1.05	2			7.1	7.11	2.85	2.85	25.5	25.45	40.4	2.91	2.91	2.90	22.64	22.46	2.5	3
M3	25/10/2025	Mid-Flood	Cloudy	Low	15:58	1.8	M	0.90	1	0.088	189.292	7.19	7.20	3.55	3.56	25.4	25.40	54.9	3.95	3.95	4.00	30.12	30.275	2.5	3
M3	25/10/2025	Mid-Flood	Cloudy	Low	15:58	1.8	M	0.90	2			7.21	7.20	3.57	3.56	25.4	25.40	56.2	4.04	4.04	4.00	30.43	30.275	2.5	3
M1	25/10/2025	Mid-Ebb	Cloudy	Low	10:33	2.3	M	1.15	1	0.061	329.603	7.12	7.13	2.85	2.87	25.8	25.85	40.0	2.88	2.88	2.92	22.18	22.205	2.5	3
M1	25/10/2025	Mid-Ebb	Cloudy	Low	10:34	2.3	M	1.15	2			7.13	7.13	2.89	2.87	25.9	25.85	41.1	2.96	2.96	2.92	22.23	22.205	2.5	3
M2	25/10/2025	Mid-Ebb	Cloudy	Low	10:02	2.1	M	1.05	1	0.069	314.587	7.14	7.15	2.93	2.98	25.8	25.85	40.7	2.93	2.93	2.88	21.95	21.95	2.5	3
M2	25/10/2025	Mid-Ebb	Cloudy	Low	10:02	2.1	M	1.05	2			7.16	7.15	3.02	2.98	25.9	25.85	39.3	2.83	2.83	2.88	21.95	21.95	2.5	3
M3	25/10/2025	Mid-Ebb	Cloudy	Low	10:47	1.9	M	0.95	1	0.071	340.635	7.18	7.18	3.66	3.66	25.8	25.80	53.8	3.87	3.87	3.88	31.15	31.285	2.5	3
M3	25/10/2025	Mid-Ebb	Cloudy	Low	10:47	1.9	M	0.95	2			7.17	7.18	3.66	3.66	25.8	25.80	53.9	3.89	3.89	3.88	31.42	31.285	2.5	3

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	23/10/2025	Mid-Flood	Cloudy	Low	14:11	2.4	M	1.20	1	0.073	181.691	7.15	7.15	3.02	3.00	23.1	23.15	40.6	40.80	2.96	2.98	24.50	24.44	20	29
M1	23/10/2025	Mid-Flood	Cloudy	Low	14:12	2.4	M	1.20	2			7.15	7.15	2.98	3.00	23.2	23.15	41.0	40.80	2.99	2.98	24.38	24.44	38	29
M2	23/10/2025	Mid-Flood	Cloudy	Low	14:47	2.2	M	1.10	1	0.092	173.254	7.14	7.14	2.87	2.86	23.1	23.15	42.0	42.05	3.02	3.02	25.23	25.115	34	37
M2	23/10/2025	Mid-Flood	Cloudy	Low	14:47	2.2	M	1.10	2			7.13	7.14	2.85	2.86	23.2	23.15	42.1	42.05	3.02	3.02	25.00	25.115	39	37
M3	23/10/2025	Mid-Flood	Cloudy	Low	14:55	1.9	M	0.95	1	0.09	189.314	7.19	7.20	3.36	3.40	23.1	23.15	53.9	53.15	3.88	3.83	31.38	31.525	33	38
M3	23/10/2025	Mid-Flood	Cloudy	Low	14:55	1.9	M	0.95	2			7.2	7.20	3.43	3.40	23.2	23.15	52.4	53.15	3.77	3.83	31.67	31.525	43	38
M1	23/10/2025	Mid-Ebb	Cloudy	Low	9:05	2.3	M	1.15	1	0.078	339.026	7.14	7.15	2.73	2.72	22.9	22.90	41.3	40.85	2.97	2.94	24.21	24.125	36	33
M1	23/10/2025	Mid-Ebb	Cloudy	Low	9:05	2.3	M	1.15	2			7.16	7.15	2.71	2.72	22.9	22.90	40.4	40.85	2.91	2.94	24.04	24.125	30	33
M2	23/10/2025	Mid-Ebb	Cloudy	Low	8:33	2.1	M	1.05	1	0.073	330.133	7.15	7.15	2.74	2.76	22.9	22.95	42.4	42.25	3.05	3.04	25.07	25	31	38
M2	23/10/2025	Mid-Ebb	Cloudy	Low	8:33	2.1	M	1.05	2			7.14	7.15	2.77	2.76	23.0	22.95	42.1	42.25	3.03	3.04	24.93	25	44	38
M3	23/10/2025	Mid-Ebb	Cloudy	Low	9:18	1.9	M	0.95	1	0.064	318.973	7.19	7.18	3.56	3.53	22.9	22.95	51.5	50.90	3.79	3.74	32.55	32.49	32	35
M3	23/10/2025	Mid-Ebb	Cloudy	Low	9:18	1.9	M	0.95	2			7.17	7.18	3.5	3.53	23.0	22.95	50.3	50.90	3.69	3.74	32.43	32.49	38	35

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	18/10/2025	Mid-Flood	Cloudy	Low	11:14	2.3	M	1.15	1	0.083	179.647	7.19	7.19	2.88	2.89	26.9	26.95	42.5	42.65	3.08	3.09	18.58	18.455	2.5	3
M1	18/10/2025	Mid-Flood	Cloudy	Low	11:14	2.3	M	1.15	2			7.18	7.19	2.89	2.89	27	26.95	42.8	42.65	3.1	3.09	18.33	18.455	2.5	3
M2	18/10/2025	Mid-Flood	Cloudy	Low	11:52	2	M	1.00	1			7.18	7.17	2.96	2.92	26.9	26.90	43.5	43.95	3.15	3.19	17.68	17.56	2.5	3
M2	18/10/2025	Mid-Flood	Cloudy	Low	11:52	2	M	1.00	2	0.078	188.815	7.16	7.17	2.87	2.92	26.9	26.90	44.4	43.95	3.22	3.19	17.44	17.56	2.5	3
M3	18/10/2025	Mid-Flood	Cloudy	Low	11:59	1.7	M	0.85	1			7.23	7.22	3.51	3.47	26.9	26.90	54.9	54.75	3.98	3.97	24.33	24.475	2.5	3
M3	18/10/2025	Mid-Flood	Cloudy	Low	11:59	1.7	M	0.85	2			7.21	7.22	3.43	3.47	26.9	26.90	54.6	54.75	3.96	3.97	24.62	24.475	3	3
M1	18/10/2025	Mid-Ebb	Cloudy	Low	18:26	2.3	M	1.15	1	0.06	306.808	7.17	7.18	2.48	2.47	26.6	26.60	45.1	44.35	3.27	3.22	17.95	17.91	2.5	3
M1	18/10/2025	Mid-Ebb	Cloudy	Low	18:26	2.3	M	1.15	2			7.19	7.18	2.46	2.47	26.6	26.60	43.6	44.35	3.16	3.22	17.87	17.91	3	3
M2	18/10/2025	Mid-Ebb	Cloudy	Low	17:52	2	M	1.00	1			7.16	7.16	2.59	2.63	26.6	26.65	47.1	46.05	3.41	3.34	18.18	17.985	2.5	3
M2	18/10/2025	Mid-Ebb	Cloudy	Low	17:52	2	M	1.00	2	0.07	343.141	7.15	7.16	2.67	2.63	26.7	26.65	45.0	46.05	3.26	3.34	17.79	17.985	2.5	3
M3	18/10/2025	Mid-Ebb	Cloudy	Low	18:33	1.9	M	0.95	1			7.21	7.21	3.29	3.25	26.6	26.60	56.4	55.60	4.09	4.03	25.12	25.12	3	3
M3	18/10/2025	Mid-Ebb	Cloudy	Low	18:33	1.9	M	0.95	2			7.21	7.21	3.21	3.25	26.6	26.60	54.8	55.60	3.97	4.03	25.12	25.12	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	16/10/2025	Mid-Flood	Sunny	Low	9:31	2.4	M	1.20	1	0.079	180.997	7.14	7.14	3.56	3.61	26.8	26.85	40.9	40.80	2.98	2.97	27.58	27.445	33	33
M1	16/10/2025	Mid-Flood	Sunny	Low	9:31	2.4	M	1.20	2			7.13	7.14	3.65	3.61	26.9	26.85	40.7	40.80	2.96	2.97	27.31	27.445	33	33
M2	16/10/2025	Mid-Flood	Sunny	Low	9:59	2.1	M	1.05	1	0.086	178.643	7.13	7.14	3.46	3.50	26.8	26.85	42.0	41.75	3.05	3.04	27.69	27.65	35	32
M2	16/10/2025	Mid-Flood	Sunny	Low	9:59	2.1	M	1.05	2			7.14	7.14	3.54	3.50	26.9	26.85	41.5	41.75	3.03	3.04	27.61	27.65	28	32
M3	16/10/2025	Mid-Flood	Sunny	Low	10:08	1.9	M	0.95	1	0.083	187.965	7.18	7.19	4.11	4.11	26.8	26.85	54.7	55.50	3.99	4.05	39.68	39.745	30	30
M3	16/10/2025	Mid-Flood	Sunny	Low	10:08	1.9	M	0.95	2			7.2	7.19	4.1	4.11	26.9	26.85	56.3	55.50	4.1	4.05	39.81	39.745	29	30
M1	16/10/2025	Mid-Ebb	Sunny	Low	17:24	2.3	M	1.15	1	0.063	328.55	7.13	7.14	3.72	3.70	26.7	26.70	42.3	42.95	3.08	3.13	26.13	26.11	29	31
M1	16/10/2025	Mid-Ebb	Sunny	Low	17:24	2.3	M	1.15	2			7.14	7.14	3.67	3.70	26.7	26.70	43.6	42.95	3.18	3.13	26.09	26.11	32	31
M2	16/10/2025	Mid-Ebb	Sunny	Low	16:54	2	M	1.00	1	0.074	306.391	7.13	7.12	3.81	3.81	26.7	26.75	42.9	42.20	3.13	3.08	26.85	26.955	27	31
M2	16/10/2025	Mid-Ebb	Sunny	Low	16:54	2	M	1.00	2			7.11	7.12	3.81	3.81	26.8	26.75	41.5	42.20	3.03	3.08	27.06	26.955	34	31
M3	16/10/2025	Mid-Ebb	Sunny	Low	17:38	1.9	M	0.95	1	0.06	320.211	7.19	7.20	4.54	4.53	26.7	26.70	57.8	57.65	4.22	4.21	38.83	38.905	27	31
M3	16/10/2025	Mid-Ebb	Sunny	Low	17:38	1.9	M	0.95	2			7.2	7.20	4.51	4.53	26.7	26.70	57.5	57.65	4.2	4.21	38.98	38.905	35	31

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

For Flood Tide						
Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167
For Ebb Tide						
Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	14/10/2025	Mid-Flood	Sunny	Low	10:02	2.4	M	1.20	1	0.093	169.074	7.06	7.07	2.95	2.99	27.8	27.85	42.5	41.45	3.08	3.01	25.69	25.705	25	28
M1	14/10/2025	Mid-Flood	Sunny	Low	10:02	2.4	M	1.20	2			7.08	7.07	3.03	2.99	27.9	27.85	40.4	41.45	2.93	3.01	25.72	25.705	30	28
M2	14/10/2025	Mid-Flood	Sunny	Low	10:36	2.2	M	1.10	1	0.085	163.306	7.07	7.08	2.84	2.85	27.8	27.85	41.6	41.05	3.01	2.97	24.99	25.035	29	31
M2	14/10/2025	Mid-Flood	Sunny	Low	10:36	2.2	M	1.10	2			7.08	7.08	2.86	2.85	27.9	27.85	40.5	41.05	2.93	2.97	25.08	25.035	32	31
M3	14/10/2025	Mid-Flood	Sunny	Low	10:49	1.9	M	0.95	1	0.092	166.999	7.11	7.12	3.43	3.43	27.8	27.80	53.0	52.95	3.84	3.84	31.16	31.25	22	22
M3	14/10/2025	Mid-Flood	Sunny	Low	10:49	1.9	M	0.95	2			7.13	7.12	3.42	3.43	27.8	27.80	52.9	52.95	3.83	3.84	31.34	31.25	21	22
M1	14/10/2025	Mid-Ebb	Sunny	Low	17:48	2.3	M	1.15	1	0.069	303.431	7.09	7.10	2.74	2.76	27.6	27.60	43.6	43.05	3.16	3.12	24.23	24.025	37	32
M1	14/10/2025	Mid-Ebb	Sunny	Low	17:48	2.3	M	1.15	2			7.1	7.10	2.78	2.76	27.6	27.60	42.5	43.05	3.08	3.12	23.82	24.025	26	32
M2	14/10/2025	Mid-Ebb	Sunny	Low	17:15	2.1	M	1.05	1	0.071	301.619	7.07	7.06	2.77	2.74	27.6	27.60	44.3	44.00	3.21	3.19	25.17	25.26	22	24
M2	14/10/2025	Mid-Ebb	Sunny	Low	17:15	2.1	M	1.05	2			7.05	7.06	2.71	2.74	27.6	27.60	43.7	44.00	3.17	3.19	25.35	25.26	25	24
M3	14/10/2025	Mid-Ebb	Sunny	Low	17:55	1.9	M	0.95	1	0.075	325.448	7.12	7.13	3.42	3.42	27.6	27.65	57.1	57.15	4.05	4.05	31.85	32.035	29	32
M3	14/10/2025	Mid-Ebb	Sunny	Low	17:56	1.9	M	0.95	2			7.13	7.13	3.41	3.42	27.7	27.65	57.2	57.15	4.05	4.05	32.22	32.035	35	32

Remark

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

For Flood Tide						
Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167
For Ebb Tide						
Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	11/10/2025	Mid-Flood	Cloudy	Low	15:59	2.5	M	1.25	1	0.074	162.669	7.18	7.19	3.93	3.92	26.9	26.95	42.8	43.20	3.08	3.11	26.80	26.96	2.5	3
M1	11/10/2025	Mid-Flood	Cloudy	Low	15:59	2.5	M	1.25	2			7.2		3.91		27		43.6		3.14		27.12		2.5	
M2	11/10/2025	Mid-Flood	Cloudy	Low	16:28	2.3	M	1.15	1	0.087	161.886	7.18	7.18	3.87	3.87	26.9	26.90	43.8	44.20	3.15	3.18	27.50	27.415	2.5	3
M2	11/10/2025	Mid-Flood	Cloudy	Low	16:28	2.3	M	1.15	2			7.17		3.86		26.9		44.6		3.21		27.33		2.5	
M3	11/10/2025	Mid-Flood	Cloudy	Low	16:37	1.9	M	0.95	1	0.093	190.786	7.2	7.20	4.41	4.44	26.9	26.95	58.9	58.20	4.24	4.19	37.90	37.935	2.5	3
M3	11/10/2025	Mid-Flood	Cloudy	Low	16:37	1.9	M	0.95	2			7.2		4.46		27		57.5		4.14		37.97		2.5	
M1	11/10/2025	Mid-Ebb	Cloudy	Low	11:15	2.4	M	1.20	1	0.062	321.262	7.17	7.17	3.80	3.82	27.1	27.15	44.5	44.00	3.2	3.17	25.01	25.09	2.5	3
M1	11/10/2025	Mid-Ebb	Cloudy	Low	11:15	2.4	M	1.20	2			7.17		3.83		27.2		43.5		3.13		25.17		2.5	
M2	11/10/2025	Mid-Ebb	Cloudy	Low	10:43	2.2	M	1.10	1	0.077	338.022	7.18	7.19	3.69	3.71	27.1	27.10	45.2	45.65	3.25	3.29	26.30	26.335	2.5	3
M2	11/10/2025	Mid-Ebb	Cloudy	Low	10:43	2.2	M	1.10	2			7.19		3.72		27.1		46.1		3.32		26.37		2.5	
M3	11/10/2025	Mid-Ebb	Cloudy	Low	11:26	1.9	M	0.95	1	0.06	303.345	7.21	7.21	4.55	4.60	27.1	27.10	64.8	64.70	4.66	4.66	37.60	37.6	2.5	3
M3	11/10/2025	Mid-Ebb	Cloudy	Low	11:26	1.9	M	0.95	2			7.2		4.64		27.1		64.6		4.65		37.6		2.5	

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	9/10/2025	Mid-Flood	Sunny	Low	14:28	2.5	M	1.25	1	0.086	181.198	7.13	7.13	4.07	4.12	27.8	27.85	42.5	2.99	2.97	24.55	24.705	55	56	
M1	9/10/2025	Mid-Flood	Sunny	Low	14:28	2.5	M	1.25	2			7.13		4.16		27.9		41.9	2.95		24.86		56		
M2	9/10/2025	Mid-Flood	Sunny	Low	15:03	2.3	M	1.15	1	0.095	189.936	7.15	7.15	3.99	3.98	27.8	27.85	42.7	3.01	3.05	25.21	25.2	58	56	
M2	9/10/2025	Mid-Flood	Sunny	Low	15:03	2.3	M	1.15	2			7.15		3.97		27.9		43.7	3.08		25.19		54		
M3	9/10/2025	Mid-Flood	Sunny	Low	15:11	1.9	M	0.95	1	0.073	189.642	7.18	7.17	4.58	4.58	27.8	27.80	55.1	3.88	3.85	31.33	31.395	46	52	
M3	9/10/2025	Mid-Flood	Sunny	Low	15:11	1.9	M	0.95	2			7.16		4.58		27.8		54.2	3.82		31.46		58		
M1	9/10/2025	Mid-Ebb	Sunny	Low	9:15	2.4	M	1.20	1	0.077	341.818	7.11	7.12	3.81	3.84	27.7	27.70	40.5	2.85	2.81	22.25	22.07	56	50	
M1	9/10/2025	Mid-Ebb	Sunny	Low	9:16	2.4	M	1.20	2			7.13		3.87		27.7		39.2	2.76		21.89		43		
M2	9/10/2025	Mid-Ebb	Sunny	Low	8:43	2.2	M	1.10	1	0.07	303.456	7.14	7.15	3.79	3.76	27.7	27.75	41.5	2.92	2.98	23.48	23.34	59	52	
M2	9/10/2025	Mid-Ebb	Sunny	Low	8:43	2.2	M	1.10	2			7.16		3.73		27.8		43.0	3.03		23.2		44		
M3	9/10/2025	Mid-Ebb	Sunny	Low	9:24	1.9	M	0.95	1	0.08	302.113	7.18	7.17	4.60	4.62	27.7	27.70	58.4	4.11	4.17	34.51	34.295	58	57	
M3	9/10/2025	Mid-Ebb	Sunny	Low	9:24	1.9	M	0.95	2			7.16		4.64		27.7		59.9	4.22		34.08		56		

Remark

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For Flood Tide						
Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167
For Ebb Tide						
Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	65.1	70.525

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	7/10/2025	Mid-Flood	Sunny	Low	13:12	2.4	M	1.20	1	0.075	178.867	7.08	7.07	2.98	2.96	27.5	27.55	39.6	38.85	2.85	2.80	18.66	18.64	2.5	3
M1	7/10/2025	Mid-Flood	Sunny	Low	13:12	2.4	M	1.20	2			7.06	7.07	2.93	2.96	27.6	27.55	38.1	38.85	2.74	2.80	18.62	18.64	2.5	3
M2	7/10/2025	Mid-Flood	Sunny	Low	13:41	2.2	M	1.10	1	0.094	177.563	7.09	7.10	2.89	2.86	27.5	27.55	37.4	37.35	2.69	2.69	19.55	19.645	2.5	3
M2	7/10/2025	Mid-Flood	Sunny	Low	13:41	2.2	M	1.10	2			7.1	7.10	2.83	2.86	27.6	27.55	37.3	37.35	2.68	2.69	19.74	19.645	2.5	3
M3	7/10/2025	Mid-Flood	Sunny	Low	13:54	1.9	M	0.95	1	0.078	180.744	7.15	7.16	3.32	3.28	27.5	27.55	51.4	52.10	3.7	3.75	25.88	25.93	2.5	3
M3	7/10/2025	Mid-Flood	Sunny	Low	13:54	1.9	M	0.95	2			7.16	7.16	3.24	3.28	27.6	27.55	52.8	52.10	3.8	3.75	25.98	25.93	2.5	3
M1	7/10/2025	Mid-Ebb	Sunny	Low	8:36	2.3	M	1.15	1	0.074	319.994	7.07	7.06	2.71	2.74	27.7	27.70	38.6	37.65	2.78	2.71	20.10	19.98	2.5	3
M1	7/10/2025	Mid-Ebb	Sunny	Low	8:36	2.3	M	1.15	2			7.05	7.06	2.77	2.74	27.7	27.70	36.7	37.65	2.64	2.71	19.86	19.98	2.5	3
M2	7/10/2025	Mid-Ebb	Sunny	Low	8:03	2.1	M	1.05	1	0.077	311.959	7.08	7.08	2.76	2.75	27.7	27.70	37.8	37.40	2.72	2.69	18.37	18.465	2.5	3
M2	7/10/2025	Mid-Ebb	Sunny	Low	8:03	2.1	M	1.05	2			7.07	7.08	2.73	2.75	27.7	27.70	37.0	37.40	2.66	2.69	18.56	18.465	2.5	3
M3	7/10/2025	Mid-Ebb	Sunny	Low	8:45	1.9	M	0.95	1	0.075	336.187	7.14	7.14	3.56	3.54	27.7	27.75	51.7	50.65	3.72	3.65	26.18	26.285	2.5	3
M3	7/10/2025	Mid-Ebb	Sunny	Low	8:45	1.9	M	0.95	2			7.14	7.14	3.51	3.54	27.8	27.75	49.6	50.65	3.57	3.65	26.39	26.285	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	4/10/2025	Mid-Flood																							
M1	4/10/2025	Mid-Flood																							
M2	4/10/2025	Mid-Flood																							
M2	4/10/2025	Mid-Flood																							
M3	4/10/2025	Mid-Flood																							
M3	4/10/2025	Mid-Flood																							
M1	4/10/2025	Mid-Ebb	Sunny	Low	18:36	2.4	M	1.20	1	0.074	327.493	7.12	7.13	3.55	3.59	27.1	27.15	37.4	36.80	2.77	2.73	26.66	26.805	4	4
M1	4/10/2025	Mid-Ebb	Sunny	Low	18:36	2.4	M	1.20	2			7.13		3.63		27.2		36.2		2.68				3	
M2	4/10/2025	Mid-Ebb	Sunny	Low	18:02	2.2	M	1.10	1	0.07	336.83	7.14	7.14	3.74	3.78	27.1	27.15	37.7	37.75	2.79	2.80	27.31	27.31	3	3
M2	4/10/2025	Mid-Ebb	Sunny	Low	18:03	2.2	M	1.10	2			7.13		3.82		27.2		37.8		2.8				3	
M3	4/10/2025	Mid-Ebb	Sunny	Low	18:49	1.9	M	0.95	1	0.079	338.629	7.12	7.12	3.93	3.93	27.1	27.10	50.1	50.05	3.72	3.71	32.28	32.225	2.5	3
M3	4/10/2025	Mid-Ebb	Sunny	Low	18:49	1.9	M	0.95	2			7.12		3.92		27.1		50.0		3.7				2.5	

Remark

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For Flood Tide						
Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167
For Ebb Tide						
Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

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

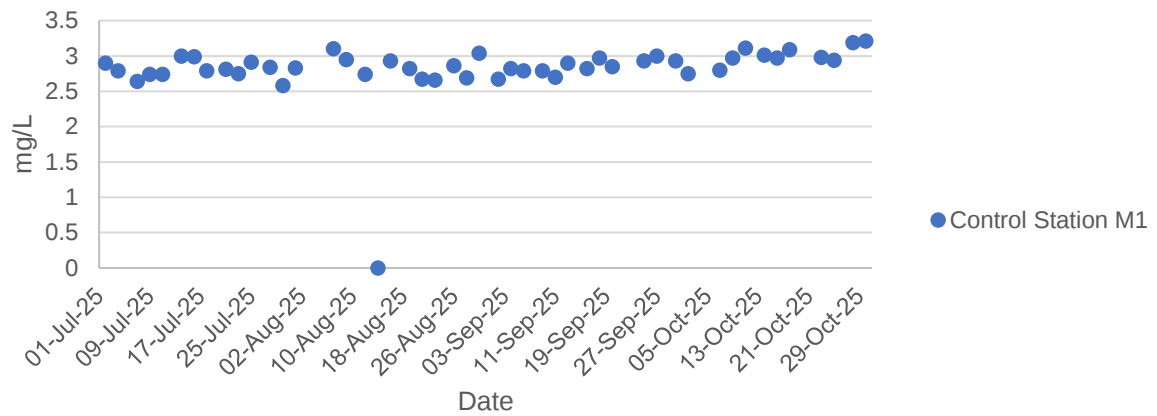
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	2/10/2025	Mid-Flood	Sunny	Low	9:03	2.5	M	1.25	1	0.076	171.857	7.11	7.11	2.96	3.00	27.5	27.55	37.0	37.70	2.7	2.75	22.12	21.945	10	12
M1	2/10/2025	Mid-Flood	Sunny	Low	9:03	2.5	M	1.25	2			7.1	7.11	3.04	3.00	27.6	27.55	38.4	37.70	2.8	2.75	21.77	21.945	13	12
M2	2/10/2025	Mid-Flood	Sunny	Low	9:35	2.2	M	1.10	1	0.081	166.787	7.16	7.17	2.92	2.89	27.5	27.50	37.8	37.00	2.76	2.70	23.51	23.605	15	15
M2	2/10/2025	Mid-Flood	Sunny	Low	9:35	2.2	M	1.10	2			7.17	7.17	2.86	2.89	27.5	27.50	36.2	37.00	2.64	2.70	23.7	23.605	15	15
M3	2/10/2025	Mid-Flood	Sunny	Low	9:47	1.9	M	0.95	1	0.094	186.309	7.12	7.13	3.28	3.33	27.5	27.55	52.9	52.75	3.86	3.85	29.30	29.095	13	13
M3	2/10/2025	Mid-Flood	Sunny	Low	9:47	1.9	M	0.95	2			7.14	7.13	3.37	3.33	27.6	27.55	52.6	52.75	3.83	3.85	28.89	29.095	13	13
M1	2/10/2025	Mid-Ebb	Sunny	Low	17:40	2.4	M	1.20	1	0.068	331.82	7.13	7.14	2.72	2.70	27.6	27.65	37.9	36.95	2.77	2.70	20.98	21.135	16	15
M1	2/10/2025	Mid-Ebb	Sunny	Low	17:40	2.4	M	1.20	2			7.15	7.14	2.68	2.70	27.7	27.65	36.0	36.95	2.62	2.70	21.29	21.135	13	15
M2	2/10/2025	Mid-Ebb	Sunny	Low	17:09	2.2	M	1.10	1	0.061	301.407	7.11	7.12	2.80	2.83	27.6	27.65	38.6	39.10	2.82	2.86	23.39	23.355	13	14
M2	2/10/2025	Mid-Ebb	Sunny	Low	17:09	2.2	M	1.10	2			7.12	7.12	2.86	2.83	27.7	27.65	39.6	39.10	2.89	2.86	23.32	23.355	14	14
M3	2/10/2025	Mid-Ebb	Sunny	Low	17:48	2	M	1.00	1	0.072	338.517	7.13	7.14	3.47	3.45	27.6	27.65	53.4	53.00	3.9	3.87	30.89	30.705	17	16
M3	2/10/2025	Mid-Ebb	Sunny	Low	17:48	2	M	1.00	2			7.15	7.14	3.43	3.45	27.7	27.65	52.6	53.00	3.84	3.87	30.52	30.705	15	16

Remark

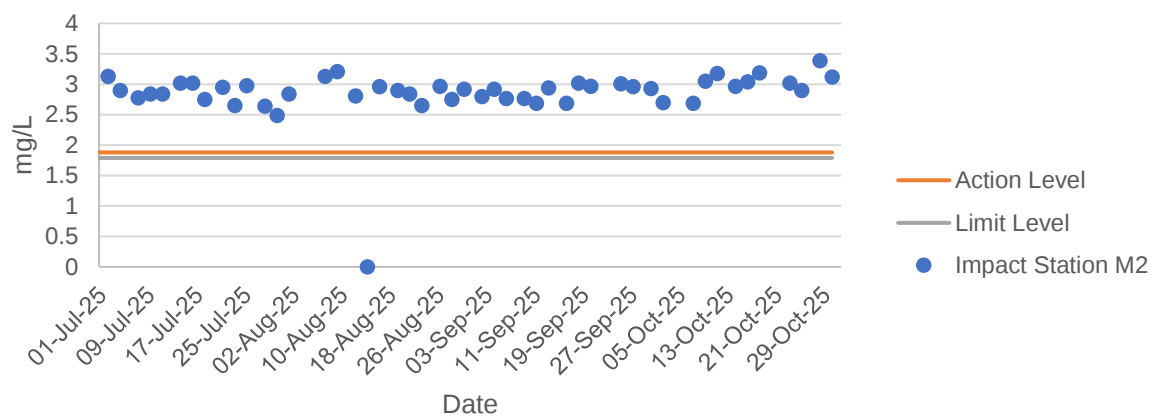
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Monitoring Location	DO		NTU		SS	
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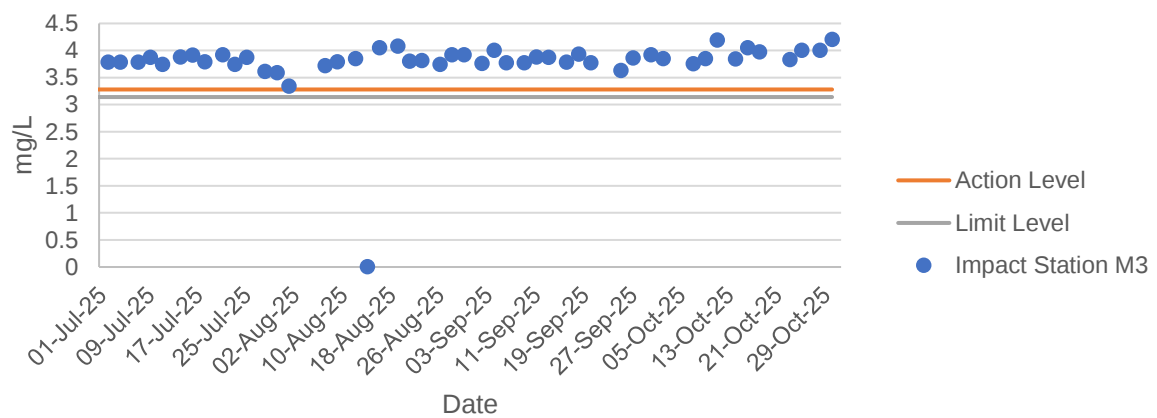
Dissolved Oxygen at Mid-Flood Tide



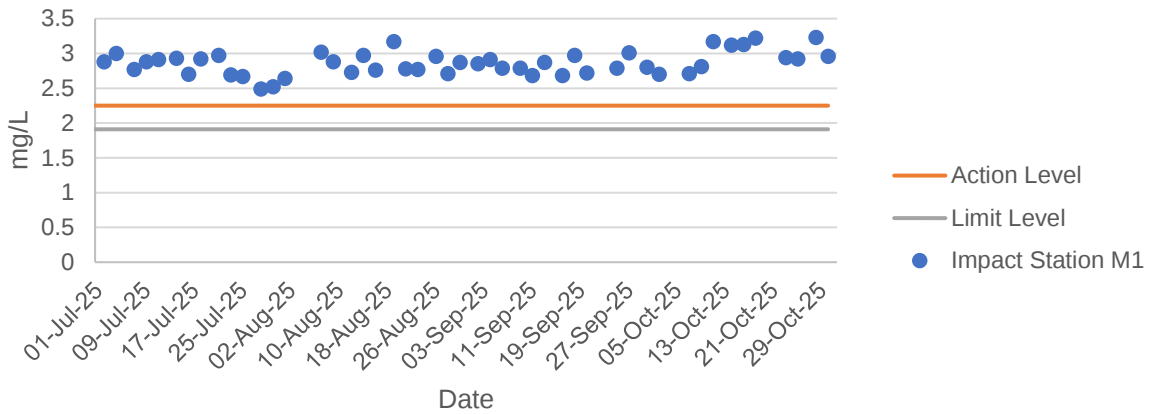
Dissolved Oxygen at Mid-Flood Tide



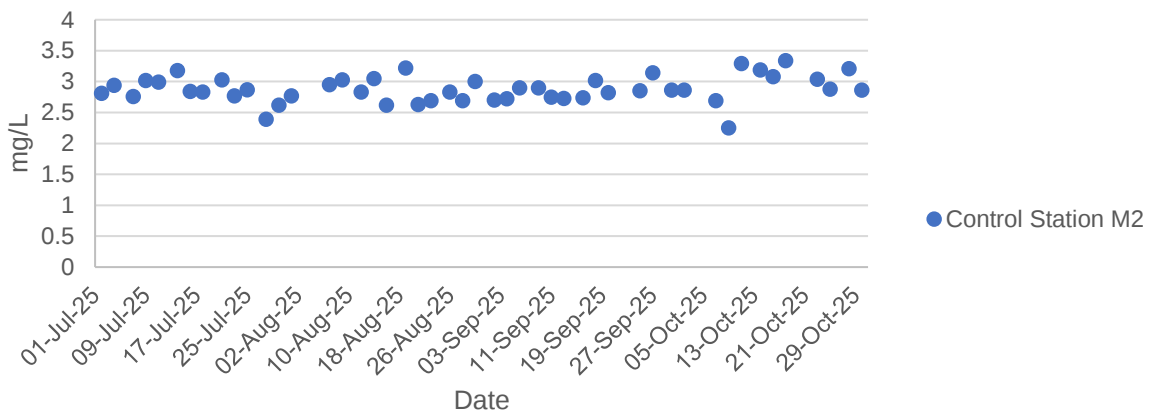
Dissolved Oxygen at Mid-Flood Tide



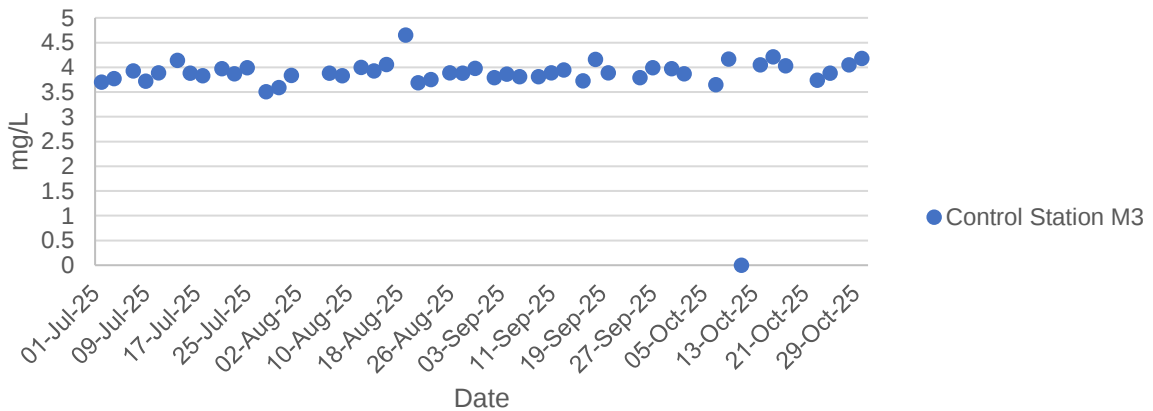
Dissolved Oxygen at Mid-Ebb Tide

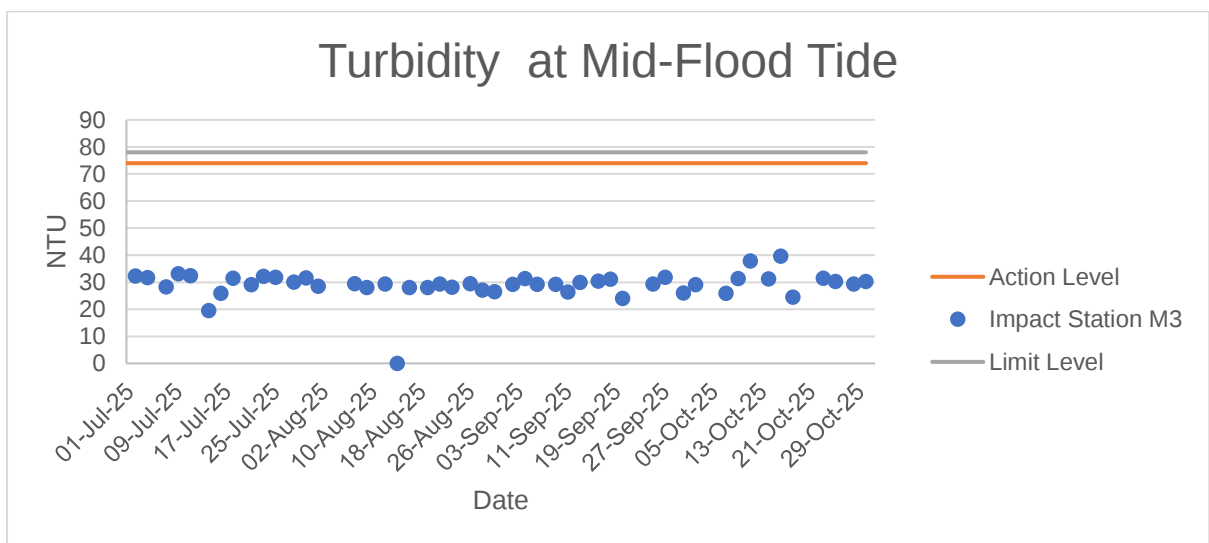
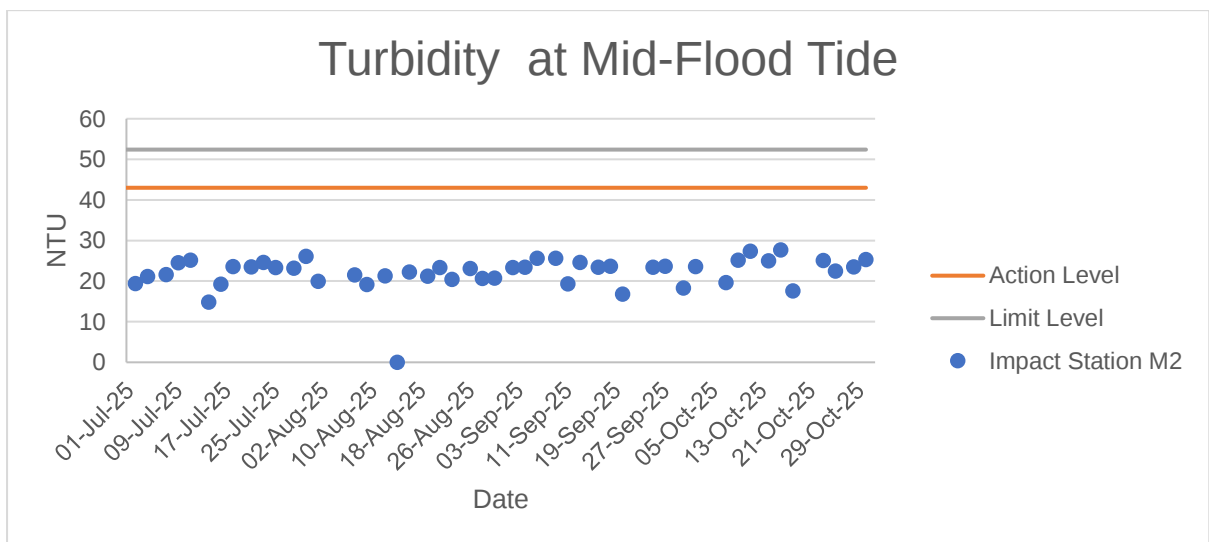
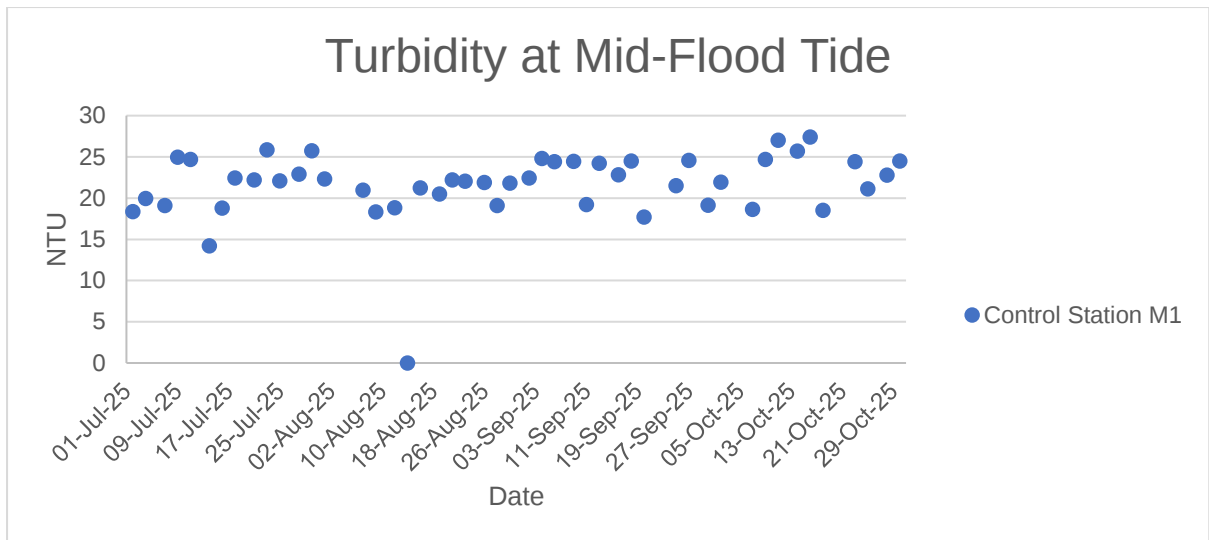


Dissolved Oxygen at Mid-Ebb Tide

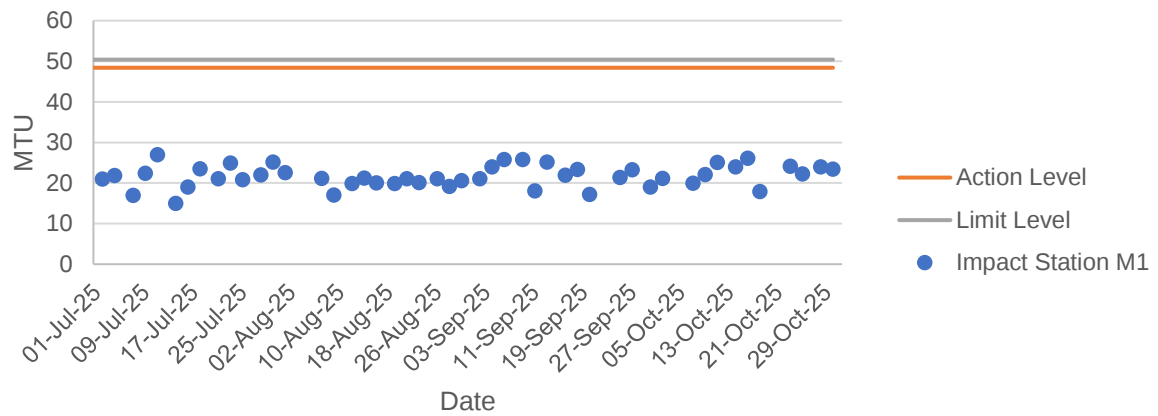


Dissolved Oxygen at Mid-Ebb Tide

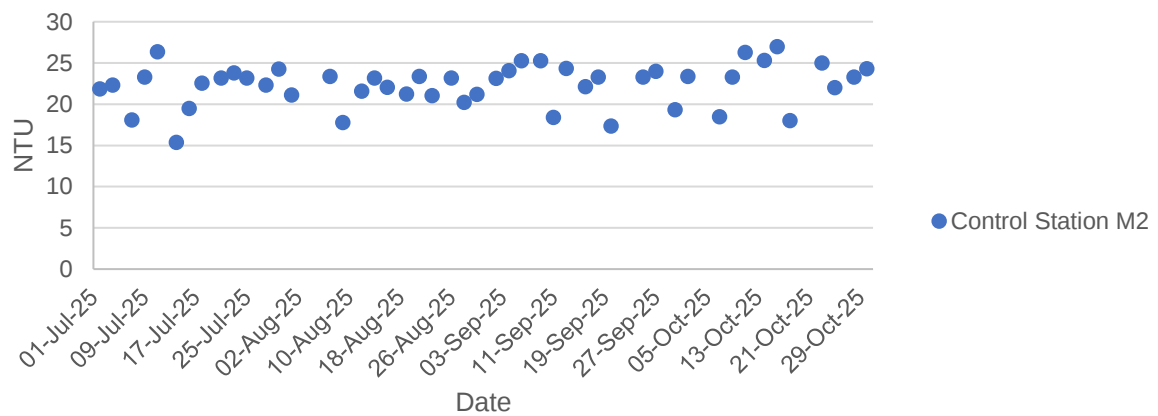




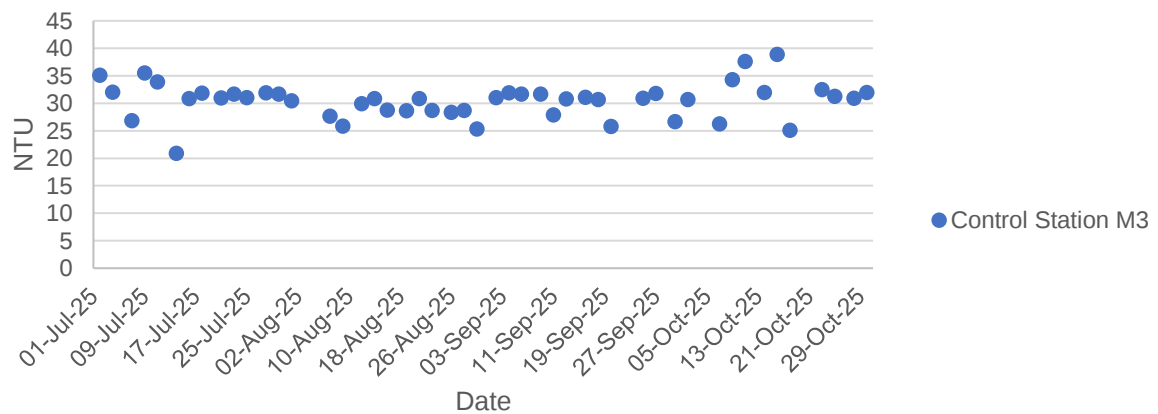
Turbidity at Mid-Ebb Tide



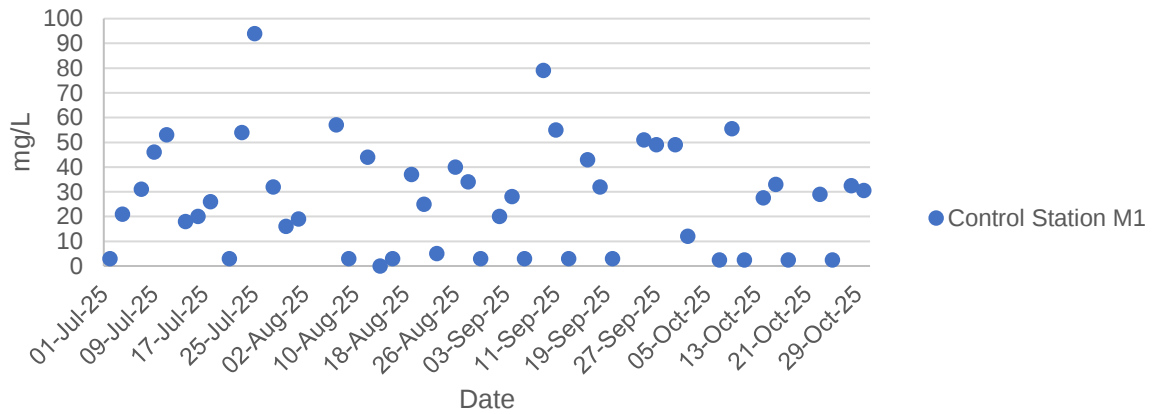
Turbidity at Mid-Ebb Tide



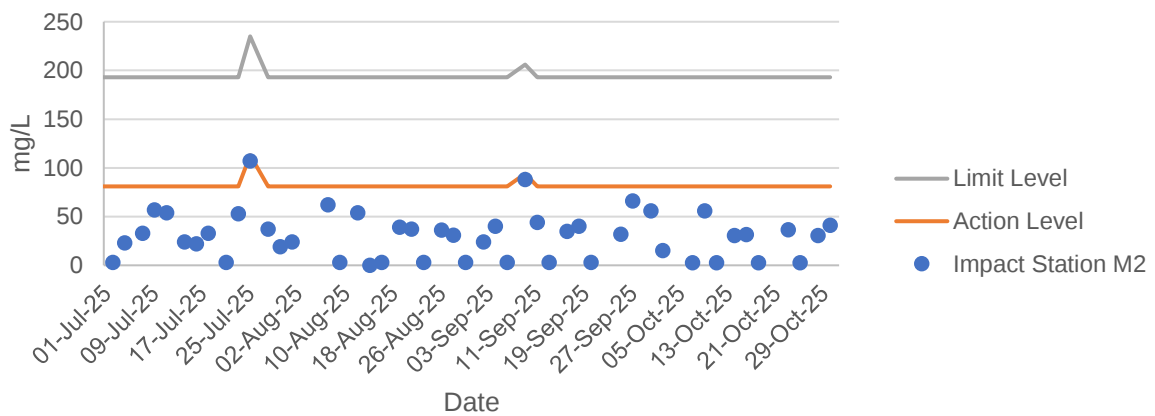
Turbidity at Mid-Ebb Tide



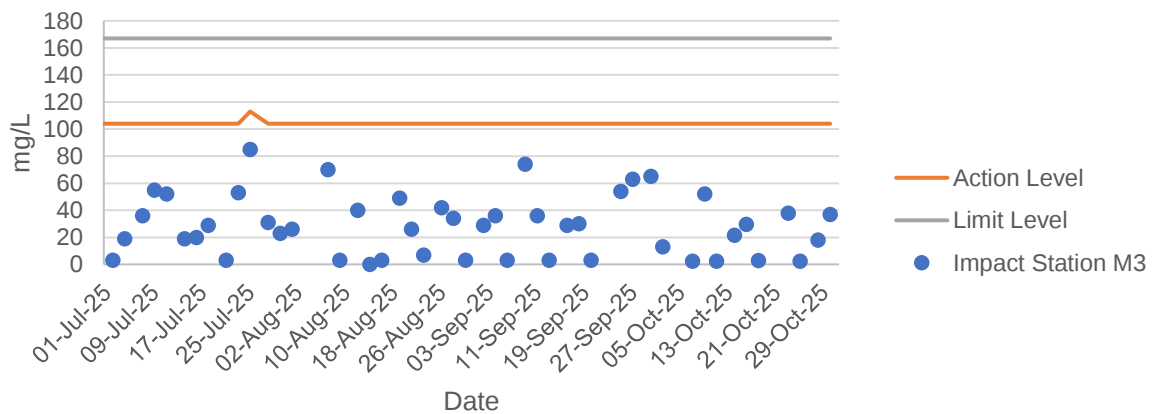
Total Suspended Solids at Mid-Flood Tide



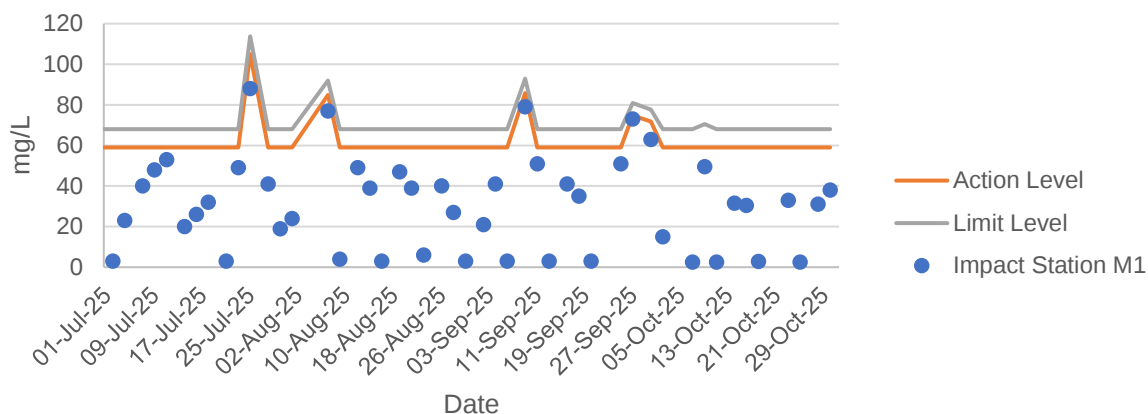
Total Suspended Solids at Mid-Flood Tide



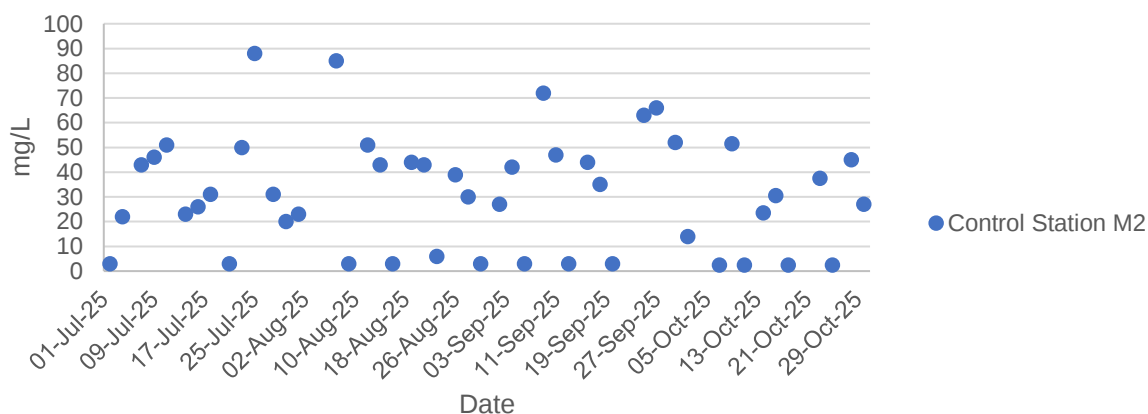
Total Suspended Solids at Mid-Flood Tide



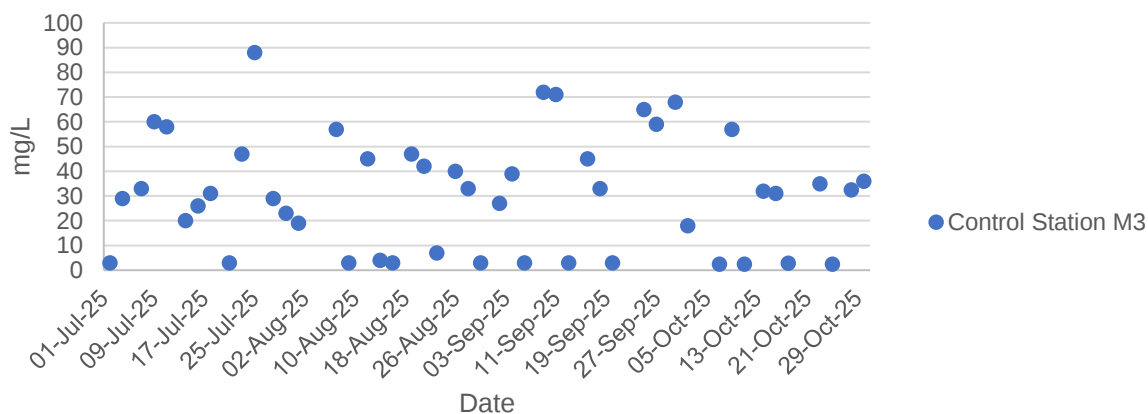
Total Suspended Solids at Mid-Ebb Tide



Total Suspended Solids at Mid-Ebb Tide



Total Suspended Solids at Mid-Ebb Tide



Ecology Monitoring Results for

Contract No. SPW 01/2025

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

Appendix F.1 Ecological Bird Monitoring Result (10 October 2025)

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
10/10/2025	Daytime	Wet	FLW	Point Count	FLW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	FLW	Point Count	FLW1	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	FLW	Point Count	FLW1	Little Egret	<i>Egretta garzetta</i>	29	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	FLW	Point Count	FLW1	Great Cormorant	<i>Phalacrocorax carbo</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	FLW	Point Count	FLW1	Black-winged stilt	<i>Himantopus himantopus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	FLW	Point Count	FLW1	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
10/10/2025	Daytime	Wet	FLW	Point Count	FLW1	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	FLW	Point Count	FLW1	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW1	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW1	Eurasian Tree Sparrow	<i>Passer montanus</i>	6	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW1	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW1	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW2	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	FLW	Point Count	FLW2	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW2	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW2	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW2	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW2	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	FLW	Point Count	FLW3	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW3	Barn Swallow	<i>Hirundo rustica</i>	4	Abundant	PM,SV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW3	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW4	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
10/10/2025	Daytime	Wet	FLW	Point Count	FLW4	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW4	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW4	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW4	Red-billed Starling	<i>Spodiopsar sericeus</i>	2	Common	WV	GC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	FLW	Point Count	FLW4	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW4	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW4	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW5	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	FLW	Point Count	FLW5	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	FLW	Point Count	FLW5	Great Cormorant	<i>Phalacrocorax carbo</i>	3	Common	WV	PRC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	FLW	Point Count	FLW5	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
10/10/2025	Daytime	Wet	FLW	Point Count	FLW5	Pied Kingfisher	<i>Ceryle rudis</i>	1	Uncommon	R	-	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	FLW	Point Count	FLW5	Black Drongo	<i>Dicrurus macrocerus</i>	3	Common	SV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW5	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (10 October 2025)

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
10/10/2025	Daytime	Wet	FLW	Point Count	FLW5	Barn Swallow	<i>Hirundo rustica</i>	4	Abundant	PM,SV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW5	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW5	Eurasian Tree Sparrow	<i>Passer montanus</i>	5	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW6	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW6	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW6	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW7	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	FLW	Point Count	FLW7	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW7	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	FLW	Point Count	FLW7	Black Drongo	<i>Dicrurus macrocercus</i>	2	Common	SV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW7	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Point Count	FLW7	Crested Myna	<i>Acridotheres cristatellus</i>	5	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	NSW1	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	NSW1	Great Cormorant	<i>Phalacrocorax carbo</i>	12	Common	WV	PRC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	NSW1	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
10/10/2025	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	3	Common	-	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	NSW1	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
10/10/2025	Daytime	Wet	NSW	Point Count	NSW1	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
10/10/2025	Daytime	Wet	NSW	Point Count	NSW1	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Tree Sparrow	<i>Passer montanus</i>	8	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	NSW1	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Grey Heron	<i>Ardea cinerea</i>	3	Common	WV	PRC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Little Egret	<i>Egretta garzetta</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Black-winged stilt	<i>Himantopus himantopus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Marsh Sandpiper	<i>Tringa stagnatilis</i>	1	Common	PM,WV	RC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	7	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Dusky Warbler	<i>Phylloscopus fuscatus</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	2	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Plain Prinia	<i>Prinia inornata</i>	6	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Swinhoe's White-eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (10 October 2025)

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
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Scaly-breasted Munia	<i>Lonchura punctulata</i>	4	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Black-browed Reed Warbler	<i>Acrocephalus bistrigiceps</i>	1	Common	PM	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	5	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Black-winged stilt	<i>Himantopus himantopus</i>	7	Common	PM	RC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Common Redshank	<i>Tringa totanus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Common Greenshank	<i>Tringa nebularia</i>	1	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Plain Prinia	<i>Prinia inornata</i>	3	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Crested Myna	<i>Acridotheres cristatellus</i>	2	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Oriental Reed Warbler	<i>Acrocephalus orientalis</i>	1	Common	PM	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Grey Heron	<i>Ardea cinerea</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Great Cormorant	<i>Phalacrocorax carbo</i>	3	Common	WV	PRC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Black-winged stilt	<i>Himantopus himantopus</i>	5	Common	PM	RC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Redshank	<i>Tringa totanus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Marsh Sandpiper	<i>Tringa stagnatilis</i>	2	Common	PM,WV	RC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Greenshank	<i>Tringa nebularia</i>	1	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Pale-legged Leaf Warbler	<i>Phylloscopus tenellipes</i>	1	Common	AM	-	-	-	-	-	N	N
10/10/2025	Daytime	Wet	FLW	Transect	FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	FLW	Transect	FLW	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	FLW	Transect	FLW	Whiskered Tern	<i>Chlidonias hybrida</i>	1	Uncommon	PM	-	-	-	LC	LC	N	Y
10/10/2025	Daytime	Wet	FLW	Transect	FLW	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	7	Common	-	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Transect	FLW	Spotted Dove	<i>Spilopelia chinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Transect	FLW	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (10 October 2025)

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
10/10/2025	Daytime	Wet	FLW	Transect	FLW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	2	Introduced	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Transect	FLW	Dusky Warbler	<i>Phylloscopus fuscatus</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Transect	FLW	Common Tailorbird	<i>Orthotomus sutorius</i>	2	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Transect	FLW	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Transect	FLW	Swinhoe's White- eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Transect	FLW	Crested Myna	<i>Acridotheres cristatellus</i>	3	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	5	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Transect	FLW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Transect	FLW	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Transect	FLW	Scaly-breasted Munia	<i>Lonchura punctulata</i>	15	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Transect	FLW	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	FLW	Transect	FLW	Oriental Reed Warbler	<i>Acrocephalus orientalis</i>	1	Common	PM	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Transect	NSW	Black-winged stilt	<i>Himantopus himantopus</i>	3	Common	PM	RC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	NSW	Transect	NSW	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Transect	NSW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	2	Introduced	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Transect	NSW	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Transect	NSW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	12	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Transect	NSW	Plain Prinia	<i>Prinia inornata</i>	3	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Transect	NSW	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Transect	NSW	Swinhoe's White- eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	NSW	Transect	NSW	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Chinese Pond Heron	<i>Ardeola bacchus</i>	7	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Grey Heron	<i>Ardea cinerea</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Great Egret	<i>Ardea alba</i>	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Great Cormorant	<i>Phalacrocorax carbo</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Black-winged stilt	<i>Himantopus himantopus</i>	15	Common	PM	RC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Common Redshank	<i>Tringa totanus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Marsh Sandpiper	<i>Tringa stagnatilis</i>	2	Common	PM,WV	RC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Common Greenshank	<i>Tringa nebularia</i>	3	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (10 October 2025)

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
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Swinhoe's White- eye	<i>Zosterops simplex</i>	3	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Crested Myna	<i>Acridotheres cristatellus</i>	3	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Eurasian Tree Sparrow	<i>Passer montanus</i>	15	Abundant	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Scaly-breasted Munia	<i>Lonchura punctulata</i>	3	Common	R	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
10/10/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	White-rumped Munia	<i>Lonchura striata</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 (10 October 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Ardeola bacchus</i>	16	0.0569	-2.8658	-0.1632	0.4676
<i>Ardea cinerea</i>	7	0.0249	-3.6924	-0.0920	0.3396
<i>Ardea alba</i>	8	0.0285	-3.5589	-0.1013	0.3606
<i>Egretta garzetta</i>	38	0.1352	-2.0008	-0.2706	0.5413
<i>Phalacrocorax carbo</i>	20	0.0712	-2.6426	-0.1881	0.4970
<i>Amaurornis phoenicurus</i>	3	0.0107	-4.5397	-0.0485	0.2200
<i>Himantopus himantopus</i>	20	0.0712	-2.6426	-0.1881	0.4970
<i>Actitis hypoleucos</i>	3	0.0107	-4.5397	-0.0485	0.2200
<i>Tringa totanus</i>	4	0.0142	-4.2521	-0.0605	0.2574
<i>Tringa stagnatilis</i>	3	0.0107	-4.5397	-0.0485	0.2200
<i>Tringa nebularia</i>	2	0.0071	-4.9452	-0.0352	0.1741
<i>Streptopelia decaocto</i>	3	0.0107	-4.5397	-0.0485	0.2200
<i>Spilopelia chinensis</i>	11	0.0391	-3.2405	-0.1269	0.4111
<i>Centropus sinensis</i>	2	0.0071	-4.9452	-0.0352	0.1741
<i>Halcyon smyrnensis</i>	2	0.0071	-4.9452	-0.0352	0.1741
<i>Alcedo atthis</i>	2	0.0071	-4.9452	-0.0352	0.1741
<i>Ceryle rudis</i>	1	0.0036	-5.6384	-0.0201	0.1131
<i>Lanius schach</i>	1	0.0036	-5.6384	-0.0201	0.1131
<i>Dicrurus macrocercus</i>	5	0.0178	-4.0289	-0.0717	0.2888
<i>Pycnonotus jocosus</i>	10	0.0356	-3.3358	-0.1187	0.3960
<i>Pycnonotus sinensis</i>	8	0.0285	-3.5589	-0.1013	0.3606
<i>Hirundo rustica</i>	8	0.0285	-3.5589	-0.1013	0.3606
<i>Phylloscopus fuscatus</i>	4	0.0142	-4.2521	-0.0605	0.2574
<i>Phylloscopus tenellipes</i>	1	0.0036	-5.6384	-0.0201	0.1131
<i>Acrocephalus orientalis</i>	1	0.0036	-5.6384	-0.0201	0.1131
<i>Acrocephalus bistrigiceps</i>	1	0.0036	-5.6384	-0.0201	0.1131
<i>Prinia flaviventris</i>	2	0.0071	-4.9452	-0.0352	0.1741
<i>Prinia inornata</i>	10	0.0356	-3.3358	-0.1187	0.3960
<i>Pterorhinus perspicillatus</i>	4	0.0142	-4.2521	-0.0605	0.2574
<i>Zosterops simplex</i>	2	0.0071	-4.9452	-0.0352	0.1741
<i>Acridotheres cristatellus</i>	19	0.0676	-2.6939	-0.1822	0.4907
<i>Spodiopsar sericeus</i>	2	0.0071	-4.9452	-0.0352	0.1741
<i>Gracupica nigricollis</i>	22	0.0783	-2.5473	-0.1994	0.5080
<i>Copsychus saularis</i>	2	0.0071	-4.9452	-0.0352	0.1741
<i>Saxicola stejnegeri</i>	3	0.0107	-4.5397	-0.0485	0.2200
<i>Passer montanus</i>	19	0.0676	-2.6939	-0.1822	0.4907
<i>Lonchura punctulata</i>	4	0.0142	-4.2521	-0.0605	0.2574
<i>Motacilla tschutschensis</i>	2	0.0071	-4.9452	-0.0352	0.1741
<i>Motacilla alba</i>	6	0.0214	-3.8466	-0.0821	0.3159
Total	281	1	-162.6492	-3.1892	10.9835
Richness	39				
SS	10.9835				
SQ	10.1712				
H	3.1892				
S ² H	0.0031				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (10 October 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Ardeola bacchus</i>	16	0.1280	-2.0557	-0.2631	0.5409
<i>Ardea cinerea</i>	7	0.0560	-2.8824	-0.1614	0.4653
<i>Ardea alba</i>	8	0.0640	-2.7489	-0.1759	0.4836
<i>Egretta garzetta</i>	38	0.3040	-1.1907	-0.3620	0.4310
<i>Phalacrocorax carbo</i>	20	0.1600	-1.8326	-0.2932	0.5373
<i>Himantopus himantopus</i>	20	0.1600	-1.8326	-0.2932	0.5373
<i>Tringa totanus</i>	4	0.0320	-3.4420	-0.1101	0.3791
<i>Tringa stagnatilis</i>	3	0.0240	-3.7297	-0.0895	0.3339
<i>Tringa nebularia</i>	2	0.0160	-4.1352	-0.0662	0.2736
<i>Centropus sinensis</i>	2	0.0160	-4.1352	-0.0662	0.2736
<i>Halcyon smyrnensis</i>	2	0.0160	-4.1352	-0.0662	0.2736
<i>Ceryle rudis</i>	1	0.0080	-4.8283	-0.0386	0.1865
<i>Spodiopsar sericeus</i>	2	0.0160	-4.1352	-0.0662	0.2736
Total	125	1	-41.0836	-2.0518	4.9893
Richness	13				
SS	4.9893				
SQ	4.2100				
H	2.0518				
S ² H	0.00662				

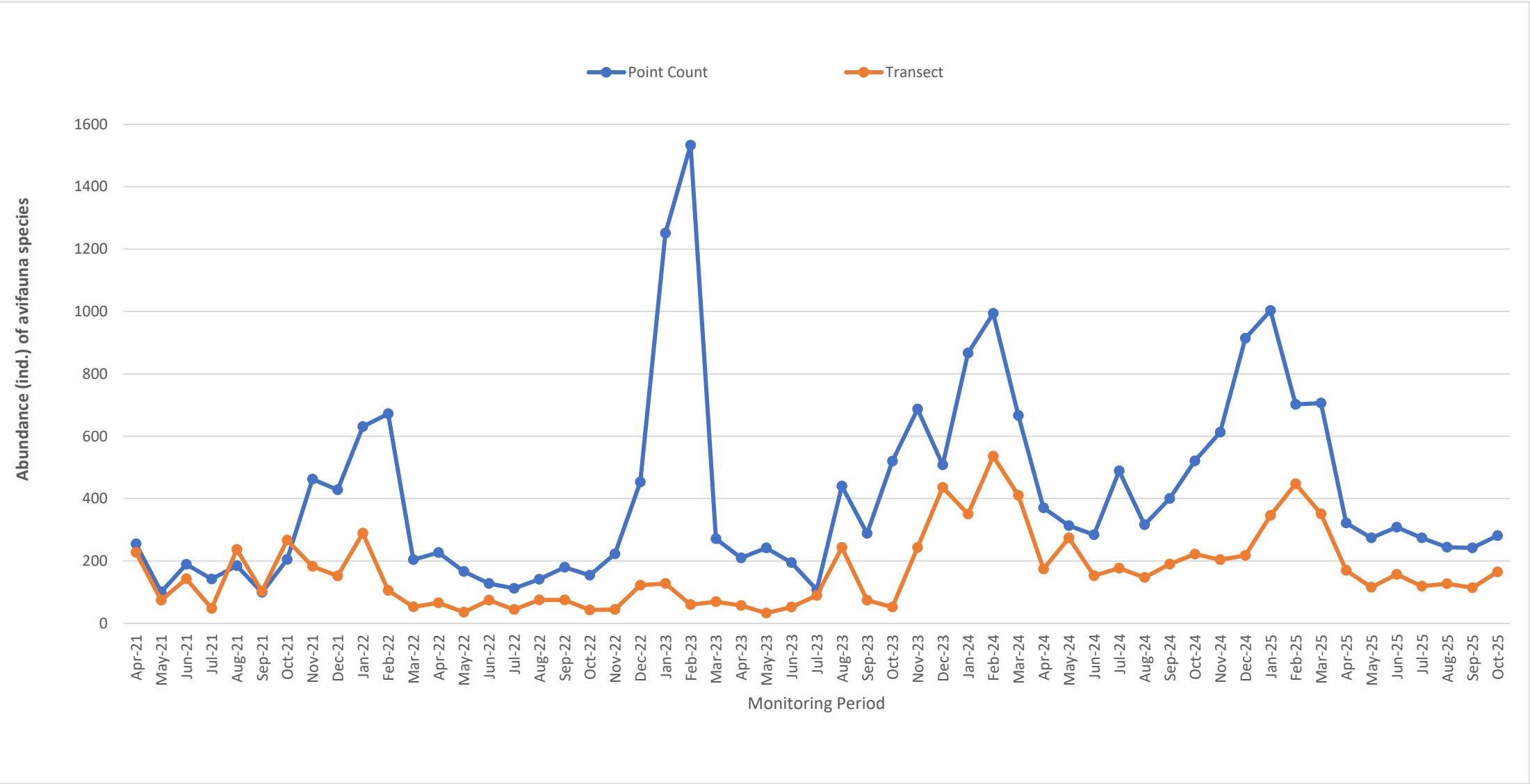
**Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method)
in All Habitats (10 October 2025)**

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Ardeola bacchus</i>	9	0.0545	-2.9087	-0.1587	0.4615
<i>Ardea cinerea</i>	2	0.0121	-4.4128	-0.0535	0.2360
<i>Ardea alba</i>	4	0.0242	-3.7197	-0.0902	0.3354
<i>Egretta garzetta</i>	2	0.0121	-4.4128	-0.0535	0.2360
<i>Phalacrocorax carbo</i>	1	0.0061	-5.1059	-0.0309	0.1580
<i>Himantopus himantopus</i>	18	0.1091	-2.2156	-0.2417	0.5355
<i>Actitis hypoleucos</i>	1	0.0061	-5.1059	-0.0309	0.1580
<i>Tringa totanus</i>	4	0.0242	-3.7197	-0.0902	0.3354
<i>Tringa stagnatilis</i>	2	0.0121	-4.4128	-0.0535	0.2360
<i>Tringa nebularia</i>	3	0.0182	-4.0073	-0.0729	0.2920
<i>Chlidonias hybrida</i>	1	0.0061	-5.1059	-0.0309	0.1580
<i>Streptopelia decaocto</i>	7	0.0424	-3.1600	-0.1341	0.4236
<i>Spilopelia chinensis</i>	6	0.0364	-3.3142	-0.1205	0.3994
<i>Lanius schach</i>	1	0.0061	-5.1059	-0.0309	0.1580
<i>Cyanopica cyanus</i>	4	0.0242	-3.7197	-0.0902	0.3354
<i>Parus minor</i>	4	0.0242	-3.7197	-0.0902	0.3354
<i>Pycnonotus jocosus</i>	12	0.0727	-2.6210	-0.1906	0.4996
<i>Pycnonotus sinensis</i>	4	0.0242	-3.7197	-0.0902	0.3354
<i>Phylloscopus fuscatus</i>	3	0.0182	-4.0073	-0.0729	0.2920
<i>Acrocephalus orientalis</i>	1	0.0061	-5.1059	-0.0309	0.1580
<i>Prinia inornata</i>	5	0.0303	-3.4965	-0.1060	0.3705
<i>Orthotomus sutorius</i>	2	0.0121	-4.4128	-0.0535	0.2360
<i>Pterorhinus perspicillatus</i>	6	0.0364	-3.3142	-0.1205	0.3994
<i>Zosterops simplex</i>	7	0.0424	-3.1600	-0.1341	0.4236
<i>Acridotheres cristatellus</i>	6	0.0364	-3.3142	-0.1205	0.3994
<i>Gracupica nigricollis</i>	9	0.0545	-2.9087	-0.1587	0.4615
<i>Copsychus saularis</i>	1	0.0061	-5.1059	-0.0309	0.1580
<i>Saxicola stejnegeri</i>	2	0.0121	-4.4128	-0.0535	0.2360
<i>Passer montanus</i>	15	0.0909	-2.3979	-0.2180	0.5227
<i>Lonchura striata</i>	1	0.0061	-5.1059	-0.0309	0.1580
<i>Lonchura punctulata</i>	18	0.1091	-2.2156	-0.2417	0.5355
<i>Motacilla tschutschensis</i>	1	0.0061	-5.1059	-0.0309	0.1580
<i>Motacilla alba</i>	3	0.0182	-4.0073	-0.0729	0.2920
Total	165	1	-128.5585	-3.1294	10.4295
Richness	33				
SS	10.4295				
SQ	9.7932				
H	3.1294				
S ² H	0.004444				

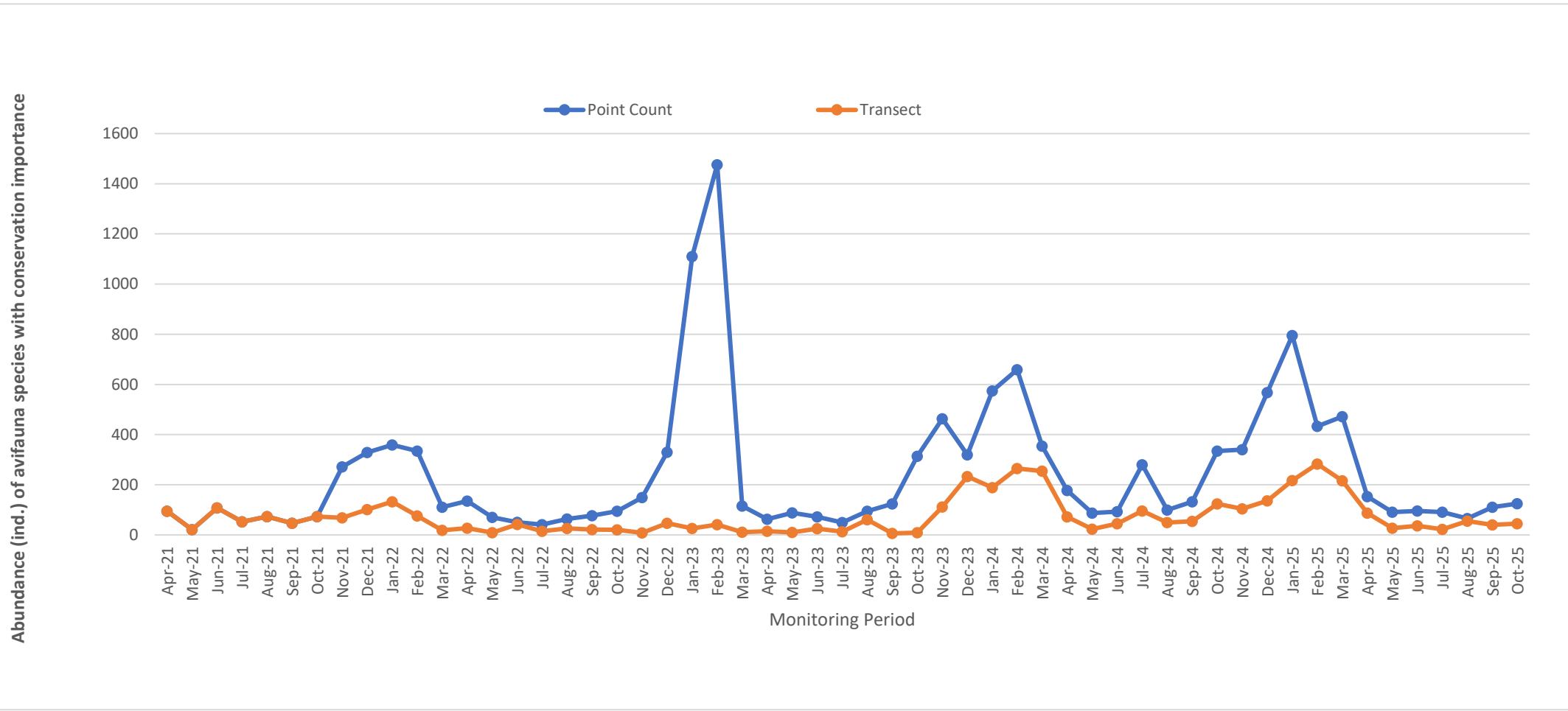
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (10 October 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Ardeola bacchus</i>	9	0.2000	-1.6094	-0.3219	0.5181
<i>Ardea cinerea</i>	2	0.0444	-3.1135	-0.1384	0.4308
<i>Ardea alba</i>	4	0.0889	-2.4204	-0.2151	0.5207
<i>Egretta garzetta</i>	2	0.0444	-3.1135	-0.1384	0.4308
<i>Phalacrocorax carbo</i>	1	0.0222	-3.8067	-0.0846	0.3220
<i>Himantopus himantopus</i>	18	0.4000	-0.9163	-0.3665	0.3358
<i>Tringa totanus</i>	4	0.0889	-2.4204	-0.2151	0.5207
<i>Tringa stagnatilis</i>	2	0.0444	-3.1135	-0.1384	0.4308
<i>Tringa nebularia</i>	3	0.0667	-2.7081	-0.1805	0.4889
Total	45	1	-23.2217	-1.7990	3.9988
Richness	9				
SS	3.9988				
SQ	3.2362				
H	1.7990				
S ² H	0.01892				

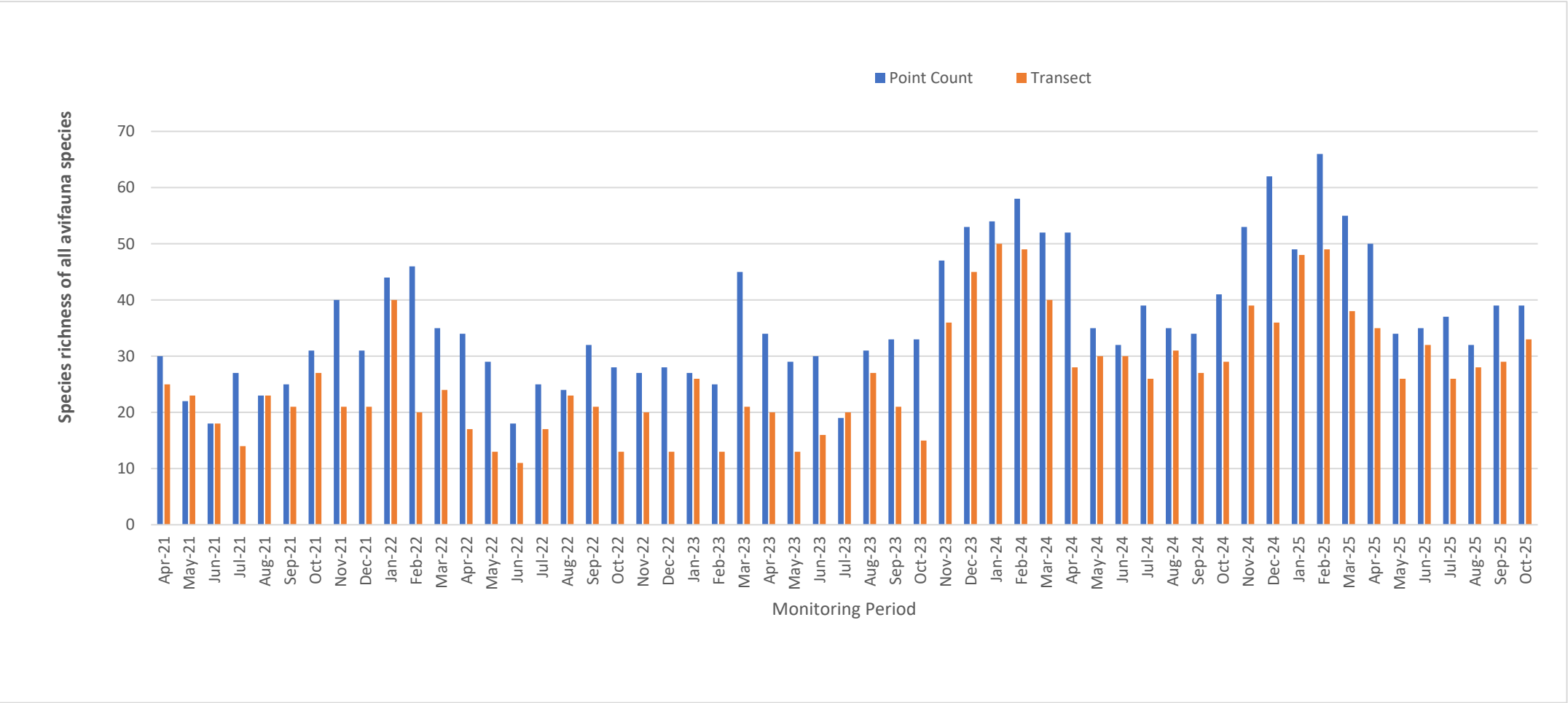
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



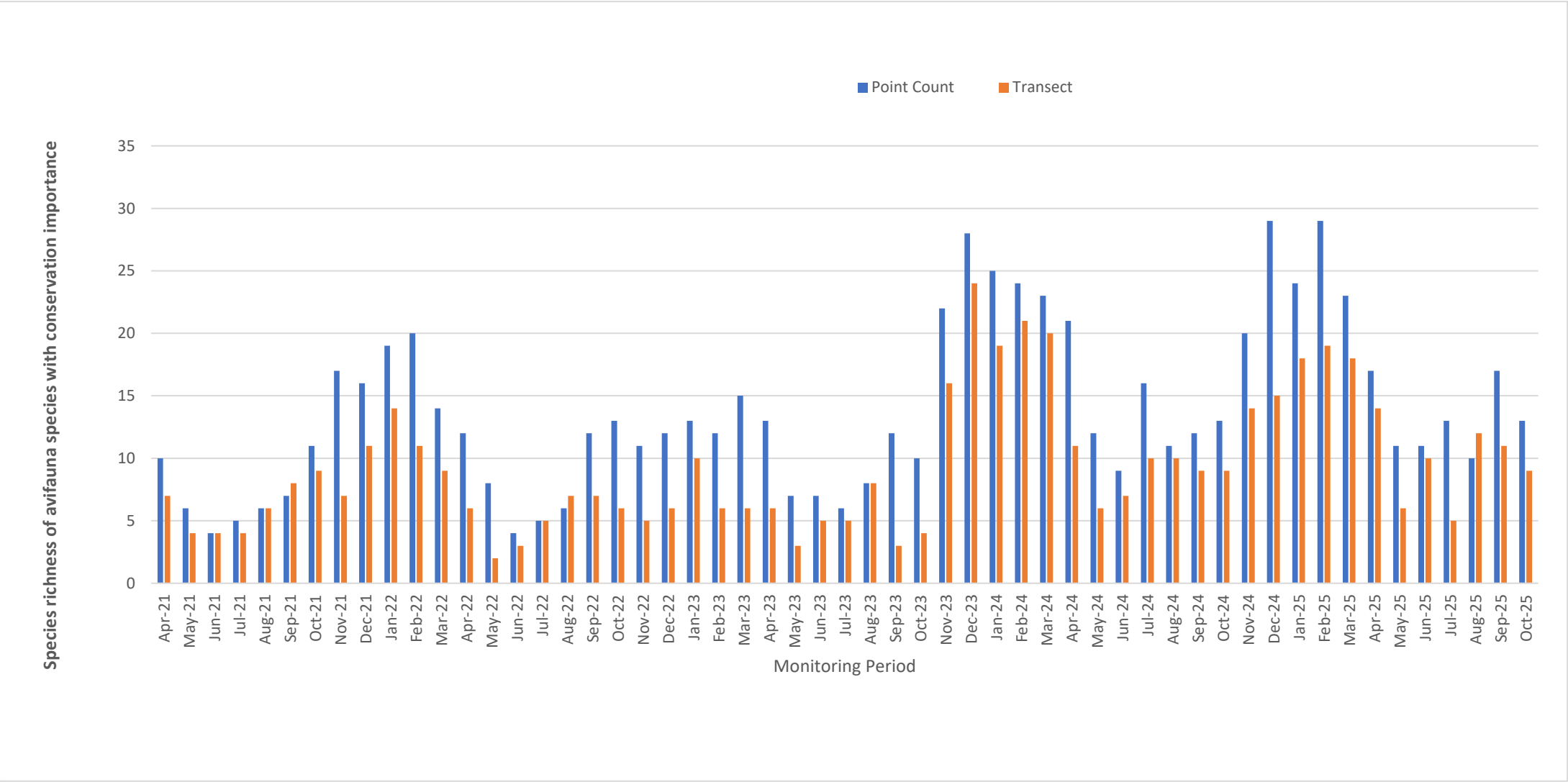
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



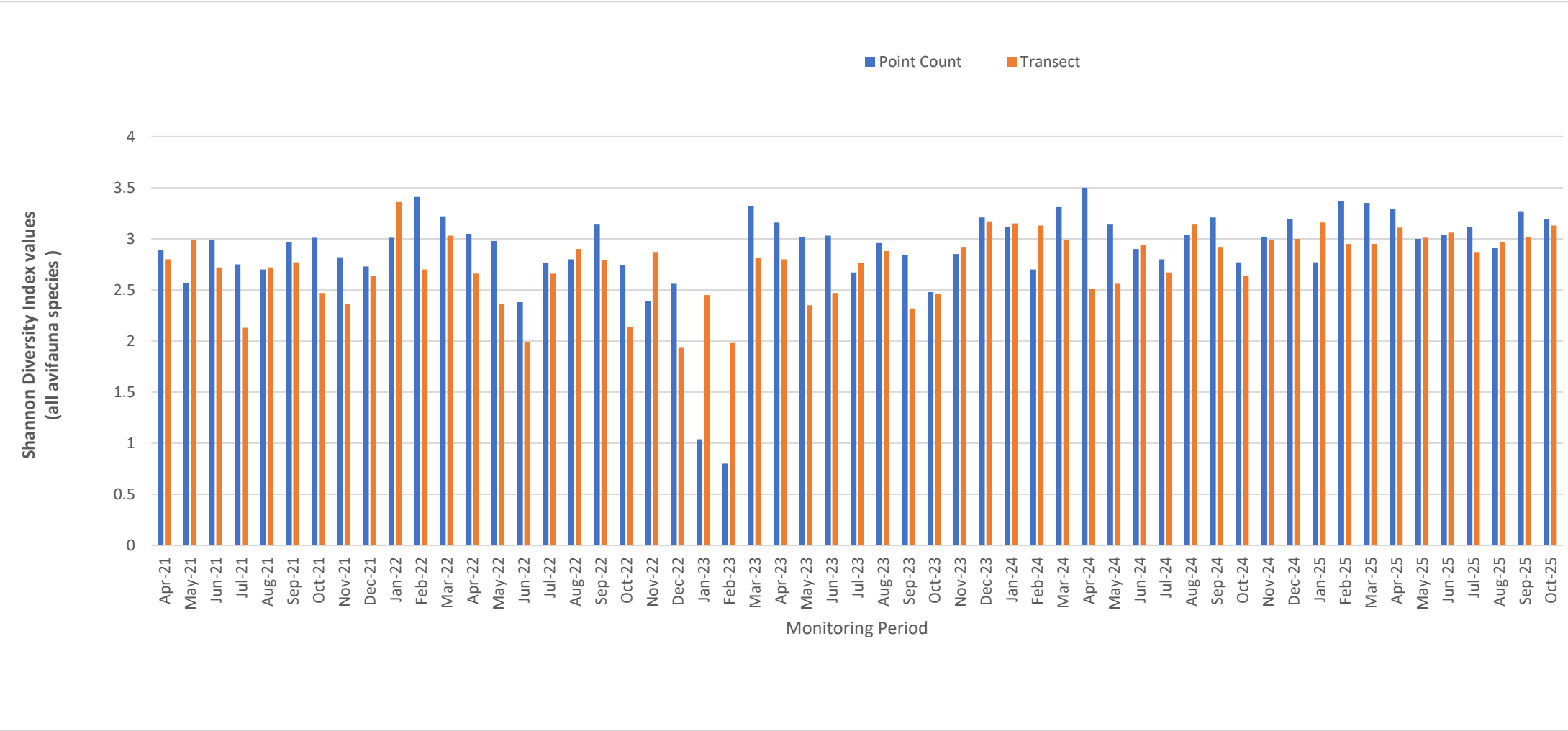
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



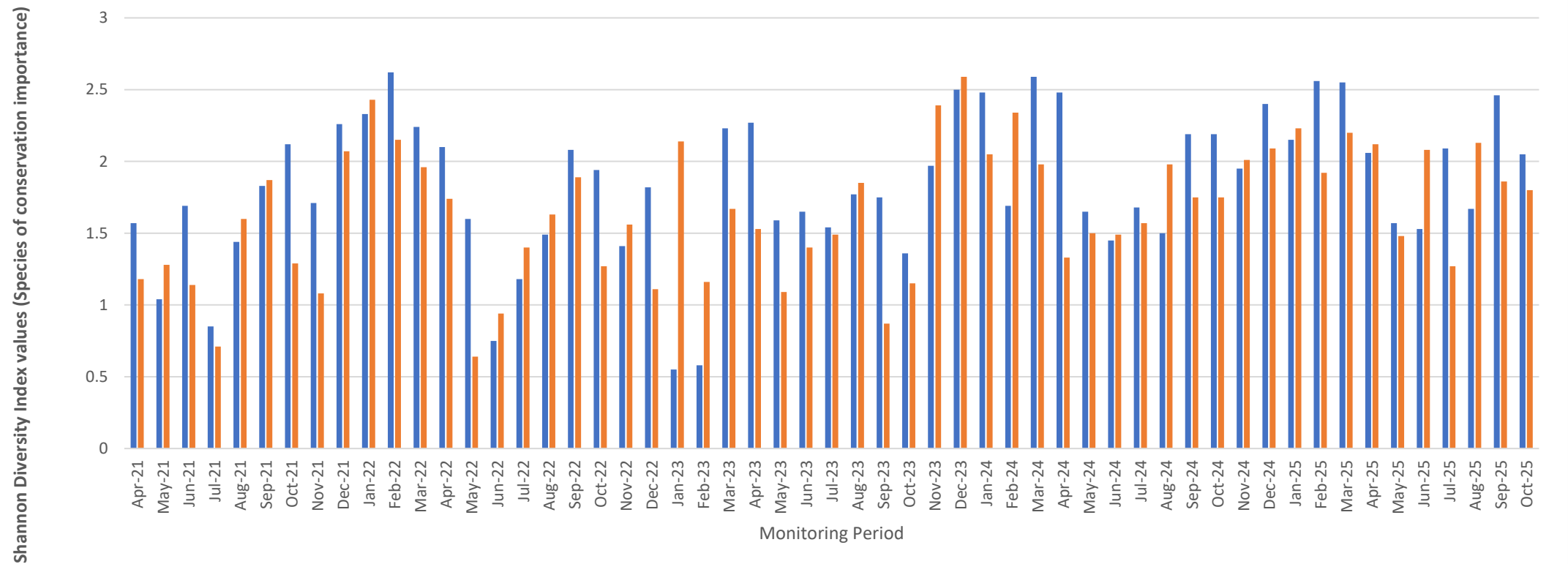
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



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	October 2016	October 2025
Total	157	281
Richness	32	39
H	2.9312	3.1892
S ² H	0.006421	0.003131
t	2.6397	
df	306.7000	
Crit	1.9677	
p	8.72E-03	
CI	0.1603	0.1119

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

Months	October 2016	October 2025
Total	51	165
Richness	13	33
H	1.8310	3.1294
S ² H	0.03268	0.004444
t	6.7388	
df	65.4403	
Crit	1.9971	
p	5.01E-09	
CI	0.3616	0.1333

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

Months	October 2016	October 2025
Total	107	125
Richness	13	13
H	2.1670	2.0518
S ² H	0.005629	0.006619
t	1.0411	
df	231.9975	
Crit	1.9703	
p	2.99E-01	
CI	0.1501	0.1627

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

Months	October 2016	October 2025
Total	35	45
Richness	3	9
H	0.7467	1.7990
S ² H	0.01758	0.01892
t	5.5078	
df	79.3720	
Crit	1.9905	
p	4.39E-07	
CI	0.2652	0.2751