

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.**

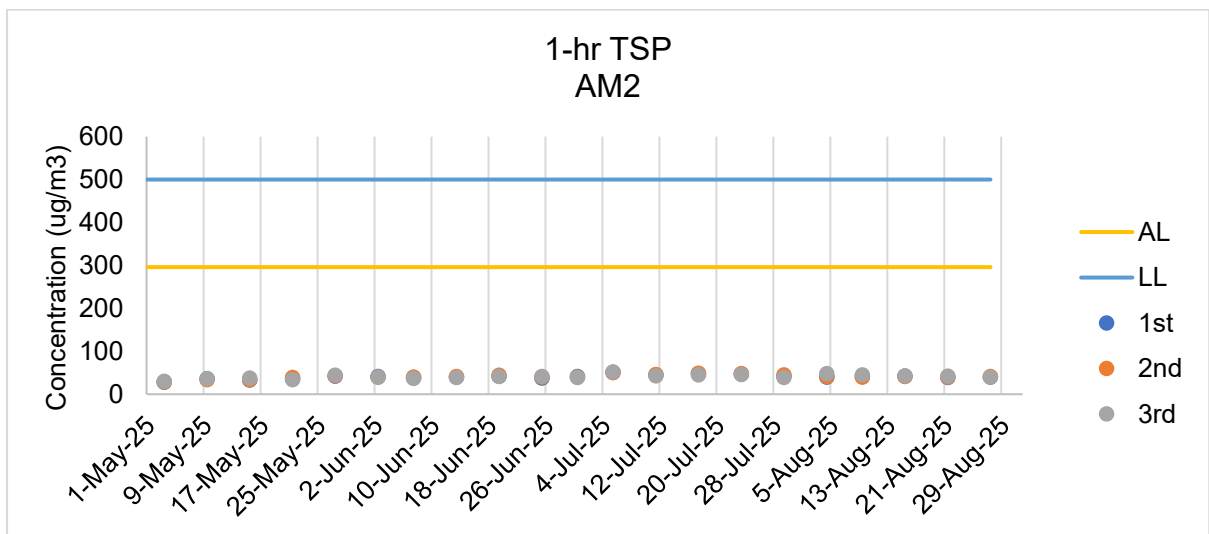
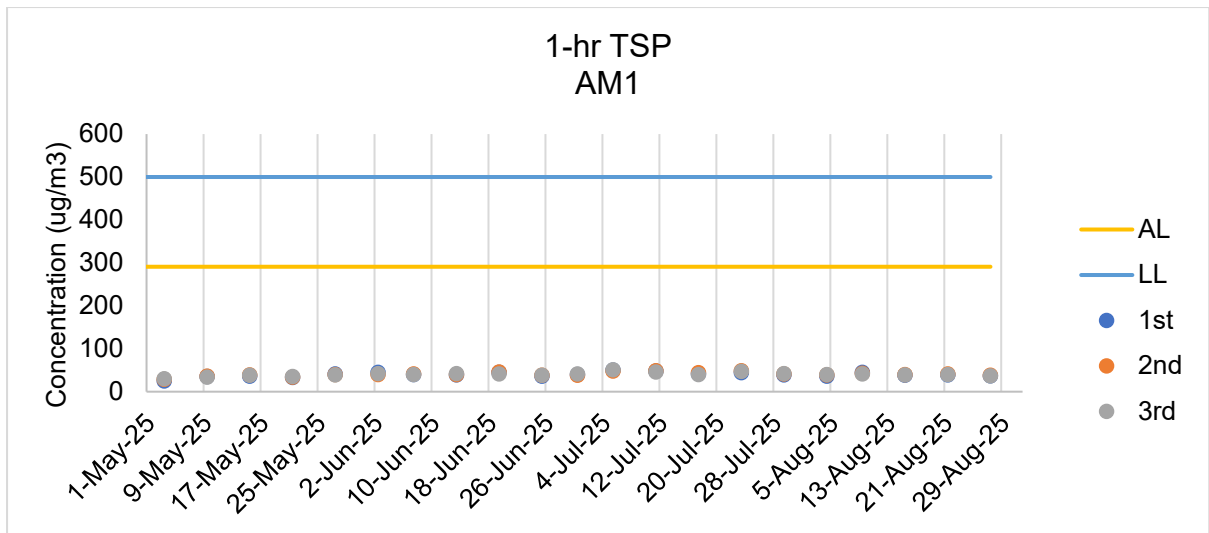
Date	Weather Condition	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Action Level (ug/m^3)	Limit Level (ug/m^3)
			1st Measurement	2nd Measurement	3rd Measurement		
4/8/2025	Fine	8:23	36	39	40	291	500
9/8/2025	Fine	8:00	45	43	41		
15/8/2025	Fine	9:00	38	40	39		
21/8/2025	Fine	8:45	39	41	40		
27/8/2025	Fine	8:11	37	38	37		
Min			36				
Max			45				
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 (ug/m^3)	Limit Level (ug/m^3)
			1st Measurement	2nd Measurement	3rd Measurement		
4/8/2025	Fine	13:02	40	41	48	296	500
9/8/2025	Fine	13:22	41	40	45		
15/8/2025	Fine	13:12	42	41	43		
21/8/2025	Fine	14:01	39	40	42		
27/8/2025	Fine	14:02	40	41	40		
Min			39				
Max			48				
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 _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
4/8/2025	9:50	60	61.5	58.2	0.0	sunny	75
15/8/2025	10:31	61	62.8	59.8	0.5	sunny	75
21/8/2025	10:06	59.8	60.8	57.5	0.8	sunny	75
27/8/2025	9:37	57.9	59.4	56.5	1.6	sunny	75
	Max	61.0					
	Min	57.9					

CM2 - Squatter house to the west of YLSTW

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
4/8/2025	13:04	58.5	60	57.8	0.2	sunny	75
15/8/2025	13:13	57.8	59.4	55.5	0.6	sunny	75
21/8/2025	14:04	57.6	59.3	56.5	0.1	sunny	75
27/8/2025	14:03	58.1	60.8	57.1	0.2	sunny	75
	Max	58.5					
	Min	57.6					

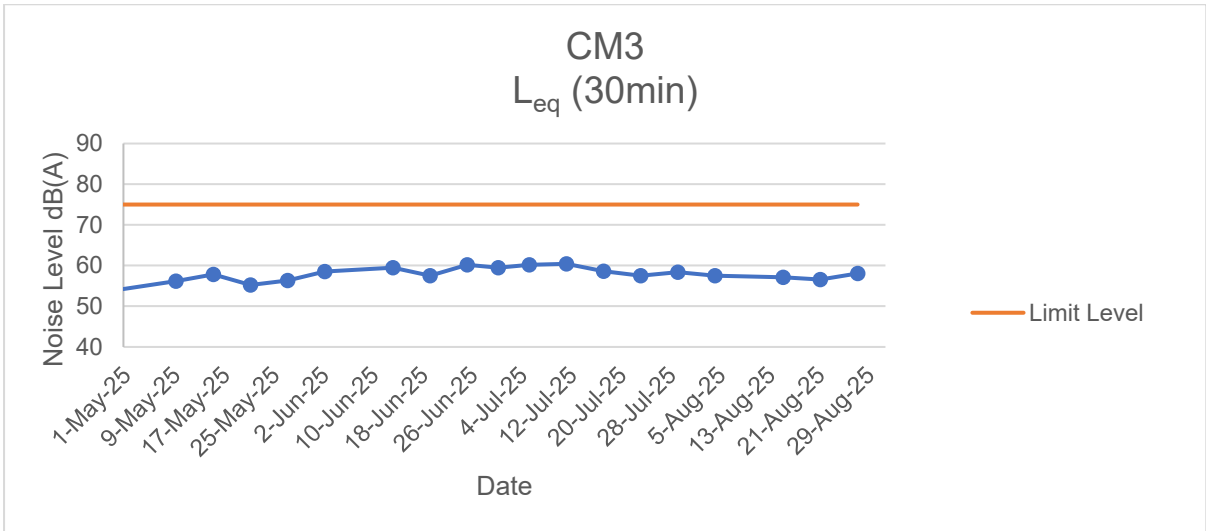
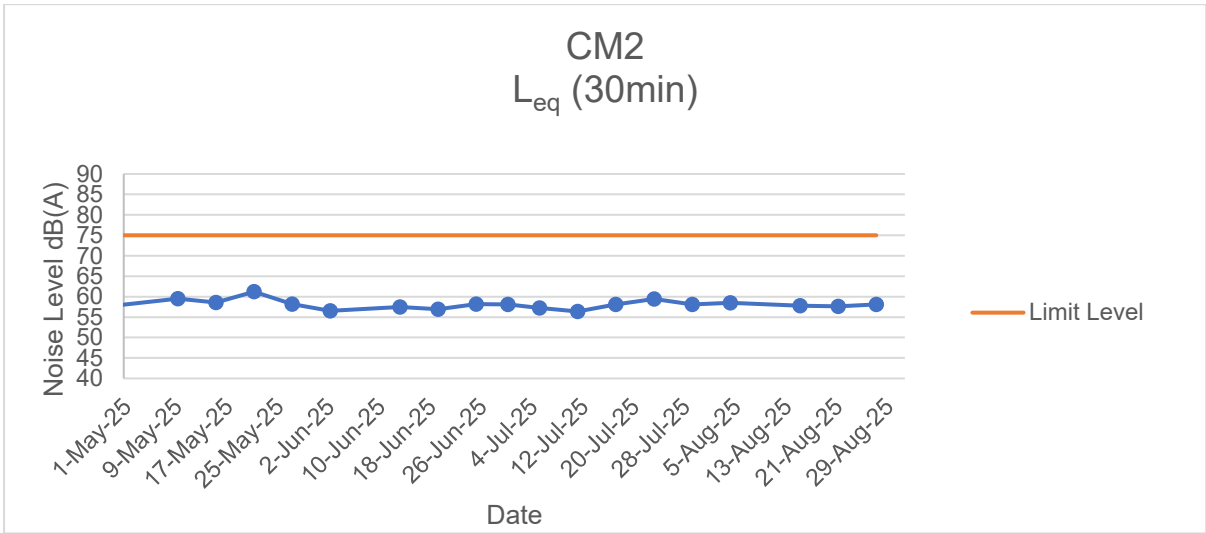
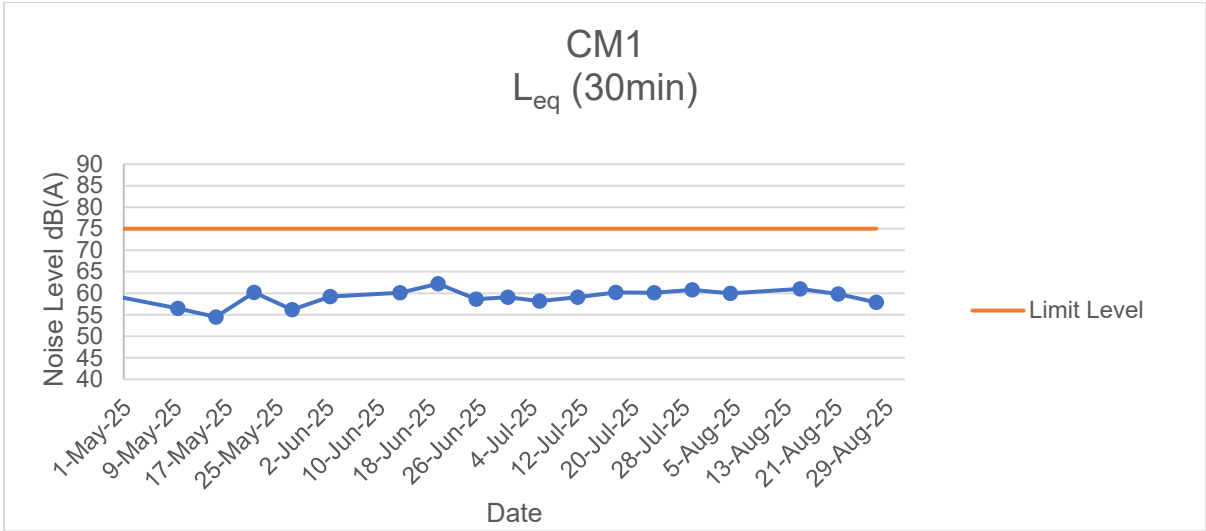
CM3 - Squatter house to the east of YLSTW

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
4/8/2025	8:48	57.5	60.2	56.2	1.6	sunny	75
15/8/2025	9:27	57.1	60.1	55.2	0.1	sunny	75
21/8/2025	9:02	56.6	59.2	55.2	1.9	sunny	75
27/8/2025	8:34	58.1	60.1	57.1	0.8	sunny	75
	Max	58.1					
	Min	56.6					

Note:

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

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



Noise Monitoring Results

Water Quality Monitoring Results

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	1/08/2025	Mid-Flood	Cloudy	Low	8:29	2.5	M	1.25	1	0.089	175.9	7.24	7.24	3.19	3.18	27.2	27.25	39.0	38.15	2.89	2.83	22.50	22.335	17	19
M1	1/08/2025	Mid-Flood	Cloudy	Low	8:29	2.5	M	1.25	2			7.23	7.24	3.17	3.18	27.3	27.25	37.3	38.15	2.76	2.83	22.17	22.335	20	19
M2	1/08/2025	Mid-Flood	Cloudy	Low	8:58	2.2	M	1.10	1	0.084	178.965	7.18	7.18	3.14	3.17	27.2	27.20	39.3	38.30	2.91	2.84	19.88	19.985	26	24
M2	1/08/2025	Mid-Flood	Cloudy	Low	8:58	2.2	M	1.10	2			7.17	7.18	3.19	3.19	27.2	27.20	37.3	38.30	2.76	2.84	20.09	20.09	22	24
M3	1/08/2025	Mid-Flood	Cloudy	Low	9:11	2.1	M	1.05	1	0.094	186.747	7.19	7.19	3.14	3.15	27.2	27.25	45.2	45.10	3.35	3.34	28.49	28.485	27	26
M3	1/08/2025	Mid-Flood	Cloudy	Low	9:12	2.1	M	1.05	2			7.19	7.19	3.15	3.15	27.3	27.25	45.0	45.10	3.33	3.34	28.48	28.485	25	26
M1	1/08/2025	Mid-Ebb	Cloudy	Low	12:05	2.4	M	1.20	1	0.065	325.847	7.22	7.22	2.76	2.80	27.7	27.75	36.0	35.40	2.69	2.64	22.54	22.54	24	24
M1	1/08/2025	Mid-Ebb	Cloudy	Low	12:05	2.4	M	1.20	2			7.22	7.22	2.83	2.80	27.8	27.75	34.8	35.40	2.58	2.64	22.54	22.54	24	24
M2	1/08/2025	Mid-Ebb	Cloudy	Low	11:38	2.2	M	1.10	1	0.078	329.757	7.23	7.24	2.77	2.76	27.7	27.70	36.7	37.40	2.72	2.77	21.13	21.13	22	23
M2	1/08/2025	Mid-Ebb	Cloudy	Low	11:38	2.2	M	1.10	2			7.24	7.24	2.75	2.76	27.7	27.70	38.1	37.40	2.82	2.77	21.13	21.13	24	23
M3	1/08/2025	Mid-Ebb	Cloudy	Low	12:12	2	M	1.00	1	0.076	323.549	7.19	7.19	3.48	3.52	27.7	27.75	52.7	51.85	3.9	3.84	30.44	30.44	14	19
M3	1/08/2025	Mid-Ebb	Cloudy	Low	12:12	2	M	1.00	2			7.19	7.19	3.55	3.52	27.8	27.75	51.0	51.85	3.78	3.84	30.44	30.44	24	19

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	7/08/2025	Mid-Flood	Sunny	Low	12:09	2.3	M	1.15	1	0.086	172.075	7.12	7.16	2.71	2.67	28.4	28.40	41.4	41.20	3.11	3.10	20.88	20.945	59	57
M1	7/08/2025	Mid-Flood	Sunny	Low	12:09	2.3	M	1.15	2			7.19		2.63		28.4		41.0		3.08		21.01		55	
M2	7/08/2025	Mid-Flood	Sunny	Low	12:39	2	M	1.00	1	0.082	175.448	7.11	7.14	2.91	2.89	28.4	28.45	41.1	41.65	3.09	3.13	21.68	21.5	50	62
M2	7/08/2025	Mid-Flood	Sunny	Low	12:40	2	M	1.00	2			7.16		2.87		28.5		42.2		3.17		21.32		74	
M3	7/08/2025	Mid-Flood	Sunny	Low	12:48	1.8	M	0.90	1	0.084	165.602	7.15	7.14	3.41	3.46	28.4	28.40	49.1	49.40	3.69	3.72	29.37	29.43	66	70
M3	7/08/2025	Mid-Flood	Sunny	Low	12:48	1.8	M	0.90	2			7.13		3.5		28.4		49.7		3.74		29.49		74	
M1	7/08/2025	Mid-Ebb	Sunny	Low	18:00	2.4	M	1.20	1	0.077	302.623	7.09	7.10	2.98	2.98	28.7	28.70	40.0	40.10	3.01	3.02	21.00	21.11	62	77
M1	7/08/2025	Mid-Ebb	Sunny	Low	18:00	2.4	M	1.20	2			7.11		2.98		28.7		40.2		3.02		21.22		92	
M2	7/08/2025	Mid-Ebb	Sunny	Low	17:32	2.1	M	1.05	1	0.06	336.023	7.13	7.13	2.82	2.79	28.7	28.70	38.7	39.25	2.91	2.95	23.38	23.355	82	85
M2	7/08/2025	Mid-Ebb	Sunny	Low	17:32	2.1	M	1.05	2			7.12		2.76		28.7		39.8		2.99		23.33		87	
M3	7/08/2025	Mid-Ebb	Sunny	Low	18:08	1.9	M	0.95	1	0.069	344.293	7.13	7.14	3.41	3.44	28.7	28.70	50.3	51.60	3.78	3.88	27.86	27.665	58	57
M3	7/08/2025	Mid-Ebb	Sunny	Low	18:08	1.9	M	0.95	2			7.15		3.47		28.7		52.9		3.98		27.47		56	

Remark

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

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

For Ebb Tide						
Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	84.9	91.975

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	9/08/2025	Mid-Flood	Sunny	Low	13:33	2.3	M	1.15	1	0.092	189.562	7.09	7.10	3.69	3.70	28.4	28.40	40.1	39.55	2.99	2.95	18.25	18.315	2.5	3
M1	9/08/2025	Mid-Flood	Sunny	Low	13:34	2.3	M	1.15	2			7.11		3.7		28.4		39.0		2.91		18.38		2.5	
M2	9/08/2025	Mid-Flood	Sunny	Low	14:02	2.1	M	1.05	1	0.079	180.318	7.08	7.08	3.58	3.59	28.4	28.40	42.2	42.95	3.15	3.21	19.32	19.14	2.5	3
M2	9/08/2025	Mid-Flood	Sunny	Low	14:02	2.1	M	1.05	2			7.08		3.6		28.4		43.7		3.26		18.96		2.5	
M3	9/08/2025	Mid-Flood	Sunny	Low	14:11	1.9	M	0.95	1	0.077	188.692	7.12	7.11	4.25	4.27	28.4	28.40	50.0	50.75	3.73	3.79	28.10	28.1	2.5	3
M3	9/08/2025	Mid-Flood	Sunny	Low	14:11	1.9	M	0.95	2			7.1		4.29		28.4		51.5		3.84		28.10		2.5	
M1	9/08/2025	Mid-Ebb	Sunny	Low	8:25	2.4	M	1.20	1	0.066	304.863	7.06	7.05	3.75	3.75	28.3	28.35	38.2	38.55	2.85	2.88	17.19	17.045	3	4
M1	9/08/2025	Mid-Ebb	Sunny	Low	8:25	2.4	M	1.20	2			7.04		3.75		28.4		38.9		2.9		16.90		5	
M2	9/08/2025	Mid-Ebb	Sunny	Low	8:00	2.1	M	1.05	1	0.07	336.852	7.08	7.08	3.67	3.66	28.3	28.35	40.1	40.60	2.99	3.03	17.85	17.775	2.5	3
M2	9/08/2025	Mid-Ebb	Sunny	Low	8:00	2.1	M	1.05	2			7.08		3.65		28.4		41.1		3.07		17.70		2.5	
M3	9/08/2025	Mid-Ebb	Sunny	Low	8:38	2	M	1.00	1	0.07	324.954	7.16	7.17	3.98	3.95	28.3	28.35	51.9	51.30	3.87	3.83	25.85	25.88	2.5	3
M3	9/08/2025	Mid-Ebb	Sunny	Low	8:38	2	M	1.00	2			7.17		3.91		28.4		50.7		3.78		25.91		2.5	

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.	Value	Ave.
M1	12/08/2025	Mid-Flood	Cloudy	Low	15:21	2.3	M	1.15	1	0.079	165.57	7.15	7.16	3.15	3.16	28.9	28.90	36.6	37.00	2.71	2.74	18.99	18.81	50	44		
M1	12/08/2025	Mid-Flood	Cloudy	Low	15:21	2.3	M	1.15	2			7.16		3.16		28.9		37.4		2.77		18.63		37			
M2	12/08/2025	Mid-Flood	Cloudy	Low	15:50	2	M	1.00	1	0.089	188.47	7.18	7.19	3.23	3.20	28.9	28.95	37.9	37.90	2.81	2.81	21.38	21.315	53	54		
M2	12/08/2025	Mid-Flood	Cloudy	Low	15:50	2	M	1.00	2			7.2		3.17		29		37.9		2.81		21.25		55			
M3	12/08/2025	Mid-Flood	Cloudy	Low	16:02	1.8	M	0.90	1	0.078	187.775	7.2	7.19	3.81	3.77	28.9	28.95	51.8	51.90	3.84	3.85	29.30	29.355	36	40		
M3	12/08/2025	Mid-Flood	Cloudy	Low	16:03	1.8	M	0.90	2			7.18		3.73		29		52.0		3.85		29.41		44			
M1	12/08/2025	Mid-Ebb	Cloudy	Low	9:22	2.4	M	1.20	1	0.076	310.999	7.14	7.13	2.99	3.02	28.5	28.55	36.5	36.90	2.7	2.73	20.05	19.86	42	49		
M1	12/08/2025	Mid-Ebb	Cloudy	Low	9:22	2.4	M	1.20	2			7.12		3.04		28.6		37.3		2.76		19.67		55			
M2	12/08/2025	Mid-Ebb	Cloudy	Low	8:48	2.1	M	1.05	1	0.076	338.911	7.17	7.16	3.09	3.05	28.5	28.55	37.7	38.15	2.79	2.83	21.68	21.6	49	51		
M2	12/08/2025	Mid-Ebb	Cloudy	Low	8:48	2.1	M	1.05	2			7.15		3		28.6		38.6		2.86		21.52		52			
M3	12/08/2025	Mid-Ebb	Cloudy	Low	9:35	1.9	M	0.95	1	0.065	317.642	7.19	7.19	3.93	3.92	28.5	28.50	53.3	53.90	3.95	4.00	30.11	29.96	54	45		
M3	12/08/2025	Mid-Ebb	Cloudy	Low	9:35	1.9	M	0.95	2			7.19		3.9		28.5		54.5		4.04		29.81		36			

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	
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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.	Value	Ave.
M1	14/08/2025	Mid-Flood	/	/	/	/	M	/	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
M1	14/08/2025	Mid-Flood	/	/	/	/	M	/	2			/	/	/	/	/	/	/	/	/	/	/	/	/	/		
M2	14/08/2025	Mid-Flood	/	/	/	/	M	/	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
M2	14/08/2025	Mid-Flood	/	/	/	/	M	/	2			/	/	/	/	/	/	/	/	/	/	/	/	/	/		
M3	14/08/2025	Mid-Flood	/	/	/	/	M	/	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
M3	14/08/2025	Mid-Flood	/	/	/	/	M	/	2			/	/	/	/	/	/	/	/	/	/	/	/	/	/		
M1	14/08/2025	Mid-Ebb	Cloudy	Low	10:48	2.5	M	1.25	1	0.081	303.73	7.12	7.12	2.74	2.71	29.6	29.65	40.4	40.10	2.99	2.97	21.24	21.18	41	39		
M1	14/08/2025	Mid-Ebb	Cloudy	Low	10:48	2.5	M	1.25	2			7.11	7.12	2.68	2.71	29.7	29.65	39.8	40.10	2.95	2.97	21.12	21.18	37	39		
M2	14/08/2025	Mid-Ebb	Cloudy	Low	10:19	2.2	M	1.10	1	0.063	303.854	7.13	7.14	2.75	2.72	29.6	29.65	41.7	41.15	3.09	3.05	23.39	23.18	41	43		
M2	14/08/2025	Mid-Ebb	Cloudy	Low	10:19	2.2	M	1.10	2			7.15	7.14	2.69	2.72	29.7	29.65	40.6	41.15	3.01	3.05	22.97	23.18	44	43		
M3	14/08/2025	Mid-Ebb	Cloudy	Low	11:05	1.9	M	0.95	1	0.069	300.814	7.21	7.22	3.60	3.63	29.6	29.60	53.3	53.05	3.95	3.93	30.99	30.84	3	4		
M3	14/08/2025	Mid-Ebb	Cloudy	Low	11:05	1.9	M	0.95	2			7.23	7.22	3.66	3.63	29.6	29.60	52.8	53.05	3.91	3.93	30.69	30.84	5	4		

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	#VALUE!	#VALUE!	#VALUE!	#VALUE!
M3(Impact Station)	3.28	3.14	#VALUE!	#VALUE!	#VALUE!	#VALUE!

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	16/08/2025	Mid-Flood	Cloudy	Low	8:50	2.3	M	1.15	1	0.083	165.504	7.09	7.10	2.91	2.94	29.1	29.10	38.9	39.55	2.88	2.93	21.17	21.245	2.5	3
M1	16/08/2025	Mid-Flood	Cloudy	Low	8:51	2.3	M	1.15	2			7.11		2.97		29.1		40.2		2.98		21.32		2.5	
M2	16/08/2025	Mid-Flood	Cloudy	Low	9:24	2	M	1.00	1	0.075	176.658	7.08	7.09	2.83	2.81	29.1	29.10	39.8	39.90	2.95	2.96	22.33	22.27	2.5	3
M2	16/08/2025	Mid-Flood	Cloudy	Low	9:24	2	M	1.00	2			7.1		2.78		29.1		40.0		2.96		22.21		2.5	
M3	16/08/2025	Mid-Flood	Cloudy	Low	9:45	1.8	M	0.90	1	0.084	180.231	7.11	7.12	3.31	3.29	29.1	29.10	53.9	54.65	3.99	4.05	27.96	28.08	2.5	3
M3	16/08/2025	Mid-Flood	Cloudy	Low	9:45	1.8	M	0.90	2			7.13		3.27		29.1		55.4		4.1		28.2		2.5	
M1	16/08/2025	Mid-Ebb	Cloudy	Low	12:53	2.4	M	1.20	1	0.074	326.035	7.11	7.11	2.80	2.77	29.8	29.80	37.9	37.25	2.81	2.76	20.17	20.065	2.5	3
M1	16/08/2025	Mid-Ebb	Cloudy	Low	12:53	2.4	M	1.20	2			7.1		2.74		29.8		36.6		2.71		19.96		2.5	
M2	16/08/2025	Mid-Ebb	Cloudy	Low	12:15	2.1	M	1.05	1	0.072	344.136	7.12	7.13	2.71	2.74	29.8	29.85	35.8	35.40	2.65	2.62	22.25	22.04	2.5	3
M2	16/08/2025	Mid-Ebb	Cloudy	Low	12:15	2.1	M	1.05	2			7.13		2.76		29.9		35.0		2.59		21.83		2.5	
M3	16/08/2025	Mid-Ebb	Cloudy	Low	13:03	1.9	M	0.95	1	0.07	322.164	7.15	7.15	3.54	3.55	29.8	29.85	54.3	54.75	4.02	4.06	28.92	28.745	2.5	3
M3	16/08/2025	Mid-Ebb	Cloudy	Low	13:03	1.9	M	0.95	2			7.15		3.56		29.9		55.2		4.09		28.57		2.5	

Remark

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

For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	19/8/2025	Mid-Flood	Cloudy	Low	9:45	2.6	M	1.30	1	0.084	170.765	7.12	7.12	3.13	3.16	28.5	28.55	39.7	38.85	2.88	2.82	20.47	20.5	39	37
M1	19/8/2025	Mid-Flood	Cloudy	Low	9:45	2.6	M	1.30	2			7.12		3.19		28.6		38.0		2.75		20.53		35	
M2	19/8/2025	Mid-Flood	Cloudy	Low	10:21	2.3	M	1.15	1	0.086	164.495	7.13	7.14	3.05	3.05	28.5	28.55	41.0	39.95	2.97	2.90	21.28	21.245	38	39
M2	19/8/2025	Mid-Flood	Cloudy	Low	10:21	2.3	M	1.15	2			7.15		3.05		28.6		38.9		2.82		21.21		40	
M3	19/8/2025	Mid-Flood	Cloudy	Low	10:34	2	M	1.00	1	0.085	182.094	7.14	7.14	3.88	3.88	28.5	28.50	56.3	56.25	4.08	4.08	28.04	27.995	41	49
M3	19/8/2025	Mid-Flood	Cloudy	Low	10:34	2	M	1.00	2			7.14		3.88		28.5		56.2		4.07		27.95		57	
M1	19/8/2025	Mid-Ebb	Cloudy	Low	18:24	2.5	M	1.25	1	0.074	338.783	7.12	7.13	2.91	2.95	28.1	28.10	43.9	43.70	3.18	3.17	20.08	19.865	46	47
M1	19/8/2025	Mid-Ebb	Cloudy	Low	18:24	2.5	M	1.25	2			7.14		2.99		28.1		43.5		3.15		19.65		48	
M2	19/8/2025	Mid-Ebb	Cloudy	Low	17:55	2.2	M	1.10	1	0.078	304.296	7.11	7.11	2.88	2.90	28.1	28.10	44.9	44.45	3.25	3.22	21.37	21.25	44	44
M2	19/8/2025	Mid-Ebb	Cloudy	Low	17:56	2.2	M	1.10	2			7.1		2.91		28.1		44.0		3.19		21.13		43	
M3	19/8/2025	Mid-Ebb	Cloudy	Low	18:34	1.9	M	0.95	1	0.076	333.267	7.2	7.20	3.99	4.00	28.1	28.15	64.3	64.15	4.66	4.65	28.85	28.63	42	47
M3	19/8/2025	Mid-Ebb	Cloudy	Low	18:34	1.9	M	0.95	2			7.19		4.01		28.2		64.0		4.64		28.41		51	

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	21/08/2025	Mid-Flood	Sunny	Low	11:57	2.3	M	1.15	1	0.082	168.839	7.14	7.14	3.08	3.09	28.5	28.55	36.6	36.05	2.71	2.67	22.42	22.205	28	25
M1	21/08/2025	Mid-Flood	Sunny	Low	11:57	2.3	M	1.15	2			7.14		3.1		28.6		35.5		2.63		21.99		22	
M2	21/08/2025	Mid-Flood	Sunny	Low	12:28	2	M	1.00	1	0.083	170.704	7.16	7.17	2.84	2.88	28.5	28.50	38.1	38.30	2.82	2.84	23.50	23.36	37	37
M2	21/08/2025	Mid-Flood	Sunny	Low	12:28	2	M	1.00	2			7.17		2.91		28.5		38.5		2.85		23.22		37	
M3	21/08/2025	Mid-Flood	Sunny	Low	12:46	1.8	M	0.90	1	0.073	171.634	7.13	7.14	3.37	3.39	28.5	28.55	51.4	51.20	3.81	3.80	29.32	29.36	24	26
M3	21/08/2025	Mid-Flood	Sunny	Low	12:46	1.8	M	0.90	2			7.15		3.41		28.6		51.0		3.78		29.4		27	
M1	21/08/2025	Mid-Ebb	Sunny	Low	17:41	2.3	M	1.15	1	0.066	308.305	7.13	7.12	2.74	2.76	28.7	28.70	36.9	37.55	2.73	2.78	21.17	21.04	40	39
M1	21/08/2025	Mid-Ebb	Sunny	Low	17:41	2.3	M	1.15	2			7.11		2.77		28.7		38.2		2.83		20.91		38	
M2	21/08/2025	Mid-Ebb	Sunny	Low	17:06	2.1	M	1.05	1	0.075	317.92	7.15	7.15	2.82	2.78	28.7	28.70	35.2	35.50	2.61	2.63	23.35	23.37	43	43
M2	21/08/2025	Mid-Ebb	Sunny	Low	17:06	2.1	M	1.05	2			7.14		2.73		28.7		35.8		2.65		23.39		42	
M3	21/08/2025	Mid-Ebb	Sunny	Low	17:55	1.9	M	0.95	1	0.063	321.042	7.2	7.21	3.45	3.42	28.7	28.75	50.2	49.80	3.72	3.69	31.00	30.885	42	42
M3	21/08/2025	Mid-Ebb	Sunny	Low	17:55	1.9	M	0.95	2			7.21		3.38		28.8		49.4		3.66		30.77		42	

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	23/08/2025	Mid-Flood	Sunny	Low	13:27	2.3	M	1.15	1	0.082	171.007	7.13	7.14	2.94	2.95	29.4	29.45	36.3	35.90	2.69	2.66	21.89	22.05	5	5
M1	23/08/2025	Mid-Flood	Sunny	Low	13:27	2.3	M	1.15	2			7.14		2.96		29.5		35.5		2.63		22.21		5	
M2	23/08/2025	Mid-Flood	Sunny	Low	13:55	2	M	1.00	1	0.082	180.114	7.13	7.13	2.81	2.83	29.4	29.45	36.6	35.80	2.71	2.65	20.55	20.415	2.5	3
M2	23/08/2025	Mid-Flood	Sunny	Low	13:55	2	M	1.00	2			7.13		2.85		29.5		35.0		2.59		20.28		3	
M3	23/08/2025	Mid-Flood	Sunny	Low	14:08	1.8	M	0.90	1	0.074	187.357	7.18	7.19	3.33	3.35	29.4	29.45	51.4	51.35	3.81	3.81	27.99	28.14	7	7
M3	23/08/2025	Mid-Flood	Sunny	Low	14:08	1.8	M	0.90	2			7.19		3.36		29.5		51.3		3.8		28.29		6	
M1	23/08/2025	Mid-Ebb	Sunny	Low	8:56	2.4	M	1.20	1	0.063	334.789	7.12	7.11	2.73	2.72	29.0	29.00	37.8	37.40	2.8	2.77	20.24	20.115	5	6
M1	23/08/2025	Mid-Ebb	Sunny	Low	8:56	2.4	M	1.20	2			7.1		2.7		29.0		37.0		2.74		19.99		7	
M2	23/08/2025	Mid-Ebb	Sunny	Low	8:29	2.1	M	1.05	1	0.081	325.651	7.12	7.12	2.69	2.73	29.0	29.05	36.6	36.25	2.71	2.69	21.16	21.025	5	6
M2	23/08/2025	Mid-Ebb	Sunny	Low	8:29	2.1	M	1.05	2			7.11		2.77		29.1		35.9		2.66		20.89		6	
M3	23/08/2025	Mid-Ebb	Sunny	Low	9:11	1.9	M	0.95	1	0.081	317.308	7.17	7.18	3.54	3.50	29.0	29.05	50.1	50.65	3.71	3.75	28.85	28.69	7	7
M3	23/08/2025	Mid-Ebb	Sunny	Low	9:12	1.9	M	0.95	2			7.18		3.46		29.1		51.2		3.79		28.53		6	

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	26/08/2025	Mid-Flood	Sunny	Low	15:01	2.5	M	1.25	1	0.082	167.639	7.16	7.15	2.91	2.87	28.9	28.90	39.0	38.55	2.89	2.86	21.76	21.89	46	40
M1	26/08/2025	Mid-Flood	Sunny	Low	15:01	2.5	M	1.25	2			7.14	2.82	2.87	28.9	38.1	2.82	2.82	22.02	21.89	34	38			
M2	26/08/2025	Mid-Flood	Sunny	Low	15:36	2.1	M	1.05	1	0.087	179.822	7.17	7.18	2.87	2.84	28.9	28.90	39.8	40.10	2.95	2.97	23.23	23.08	38	36
M2	26/08/2025	Mid-Flood	Sunny	Low	15:36	2.1	M	1.05	2			7.18	2.81	2.89	40.4	2.99	22.93	23.08	33	34					
M3	26/08/2025	Mid-Flood	Sunny	Low	15:49	1.9	M	0.95	1	0.089	166.279	7.15	7.15	3.43	3.43	28.9	28.95	50.1	50.50	3.71	3.74	29.28	29.445	34	42
M3	26/08/2025	Mid-Flood	Sunny	Low	15:49	1.9	M	0.95	2			7.15	3.43	29	50.9	3.77	29.61	49	40						
M1	26/08/2025	Mid-Ebb	Sunny	Low	9:06	2.4	M	1.20	1	0.071	335.135	7.14	7.13	2.76	2.78	28.5	28.50	39.3	39.90	2.91	2.96	21.20	21.03	35	40
M1	26/08/2025	Mid-Ebb	Sunny	Low	9:06	2.4	M	1.20	2			7.12	2.79	28.5	40.5	3	20.86	21.03	45	40					
M2	26/08/2025	Mid-Ebb	Sunny	Low	8:34	2.2	M	1.10	1	0.078	309.934	7.18	7.17	2.78	2.79	28.5	28.50	38.3	38.10	2.84	2.83	23.38	23.19	39	39
M2	26/08/2025	Mid-Ebb	Sunny	Low	8:34	2.2	M	1.10	2			7.16	2.79	28.5	37.9	2.81	23	38	39						
M3	26/08/2025	Mid-Ebb	Sunny	Low	9:24	1.9	M	0.95	1	0.07	301.117	7.16	7.17	3.39	3.38	28.5	28.55	52.2	52.45	3.87	3.89	28.55	28.36	36	40
M3	26/08/2025	Mid-Ebb	Sunny	Low	9:24	1.9	M	0.95	2			7.17	3.36	28.6	52.7	3.9	28.17	43	40						

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	28/08/2025	Mid-Flood	Cloudy	Low	15:49	2.5	M	1.25	1	0.073	166.033	7.15	7.14	3.07	3.08	29.0	29.00	37.9	37.35	2.73	2.69	18.99	19.09	34	34
M1	28/08/2025	Mid-Flood	Cloudy	Low	15:50	2.5	M	1.25	2			7.13		3.09		29		36.8		2.65		19.19		34	
M2	28/08/2025	Mid-Flood	Cloudy	Low	16:21	2.1	M	1.05	1	0.087	172.31	7.16	7.17	2.95	2.94	29.0	29.00	37.8	38.15	2.72	2.75	20.49	20.645	31	31
M2	28/08/2025	Mid-Flood	Cloudy	Low	16:21	2.1	M	1.05	2			7.18		2.92		29		38.5		2.77		20.8		30	
M3	28/08/2025	Mid-Flood	Cloudy	Low	16:33	1.9	M	0.95	1	0.075	181.502	7.18	7.19	3.47	3.44	29.0	29.00	53.9	54.45	3.88	3.92	27.25	27.08	34	34
M3	28/08/2025	Mid-Flood	Cloudy	Low	16:34	1.9	M	0.95	2			7.2		3.41		29		55.0		3.96		26.91		33	
M1	28/08/2025	Mid-Ebb	Cloudy	Low	10:18	2.4	M	1.20	1	0.074	328.532	7.18	7.18	2.99	2.97	29.2	29.20	37.3	37.70	2.68	2.71	19.25	19.2	24	27
M1	28/08/2025	Mid-Ebb	Cloudy	Low	10:18	2.4	M	1.20	2			7.17		2.95		29.2		38.1		2.74		19.15		29	
M2	28/08/2025	Mid-Ebb	Cloudy	Low	9:50	2.2	M	1.10	1	0.07	309.095	7.12	7.13	3.15	3.16	29.2	29.25	38.1	37.35	2.74	2.69	20.22	20.215	31	30
M2	28/08/2025	Mid-Ebb	Cloudy	Low	9:50	2.2	M	1.10	2			7.13		3.17		29.3		36.6		2.63		20.21		28	
M3	28/08/2025	Mid-Ebb	Cloudy	Low	10:29	1.9	M	0.95	1	0.064	331.16	7.15	7.16	3.60	3.61	29.2	29.20	54.5	53.85	3.92	3.88	28.86	28.735	31	33
M3	28/08/2025	Mid-Ebb	Cloudy	Low	10:30	1.9	M	0.95	2			7.16		3.61		29.2		53.2		3.83		28.61		35	

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	30/08/2025	Mid-Flood	Cloudy	Low	16:47	2.5	M	1.25	1	0.079	166.966	7.13	7.14	3.01	3.06	27.6	27.60	40.4	41.05	2.99	3.04	21.98	21.825	2.5	3
M1	30/08/2025	Mid-Flood	Cloudy	Low	16:47	2.5	M	1.25	2			7.15		3.1		27.6		41.7		3.09		21.67		2.5	
M2	30/08/2025	Mid-Flood	Cloudy	Low	17:13	2.1	M	1.05	1	0.087	178.055	7.18	7.19	2.90	2.94	27.6	27.60	40.2	39.35	2.98	2.92	20.88	20.745	2.5	3
M2	30/08/2025	Mid-Flood	Cloudy	Low	17:13	2.1	M	1.05	2			7.2		2.98		27.6		38.5		2.85		20.61		2.5	
M3	30/08/2025	Mid-Flood	Cloudy	Low	17:28	1.9	M	0.95	1	0.085	177.813	7.16	7.15	3.35	3.31	27.6	27.60	52.4	52.85	3.88	3.92	26.55	26.555	2.5	3
M3	30/08/2025	Mid-Flood	Cloudy	Low	17:28	1.9	M	0.95	2			7.14		3.26		27.6		53.3		3.95		26.56		2.5	
M1	30/08/2025	Mid-Ebb	Cloudy	Low	11:49	2.4	M	1.20	1	0.073	332.874	7.15	7.14	2.81	2.78	27.6	27.65	39.0	38.65	2.89	2.87	20.58	20.565	2.5	3
M1	30/08/2025	Mid-Ebb	Cloudy	Low	11:49	2.4	M	1.20	2			7.13		2.75		27.7		38.3		2.84		20.55		2.5	
M2	30/08/2025	Mid-Ebb	Cloudy	Low	11:16	2.2	M	1.10	1	0.061	339.097	7.14	7.15	2.74	2.75	27.6	27.60	40.8	40.45	3.02	3.00	21.22	21.19	2.5	3
M2	30/08/2025	Mid-Ebb	Cloudy	Low	11:16	2.2	M	1.10	2			7.15		2.76		27.6		40.1		2.97		21.16		2.5	
M3	30/08/2025	Mid-Ebb	Cloudy	Low	12:07	1.9	M	0.95	1	0.071	302.557	7.19	7.19	3.43	3.40	27.6	27.60	53.9	53.75	3.99	3.98	25.46	25.35	2.5	3
M3	30/08/2025	Mid-Ebb	Cloudy	Low	12:07	1.9	M	0.95	2			7.19		3.37		27.6		53.6		3.97		25.24		2.5	

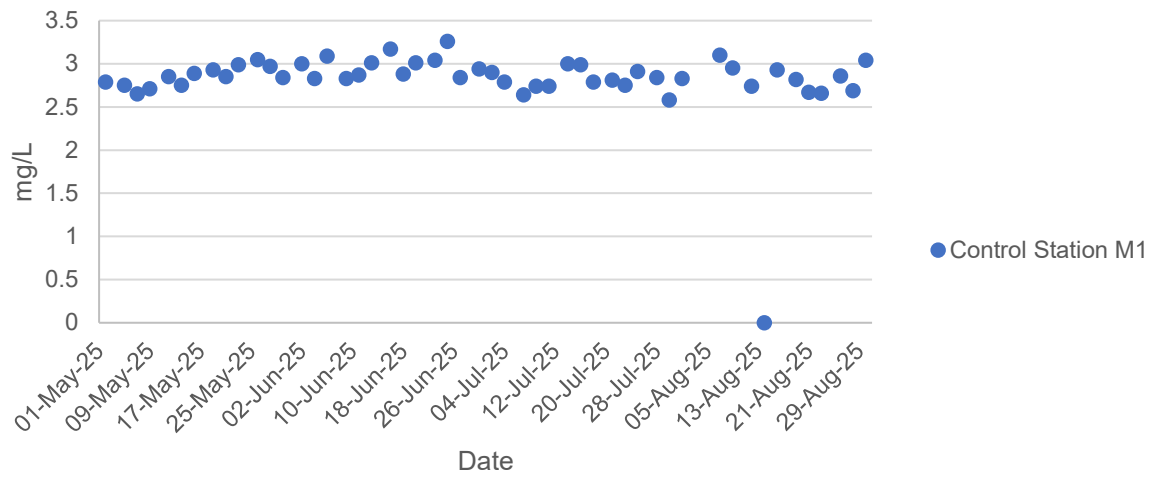
Remark

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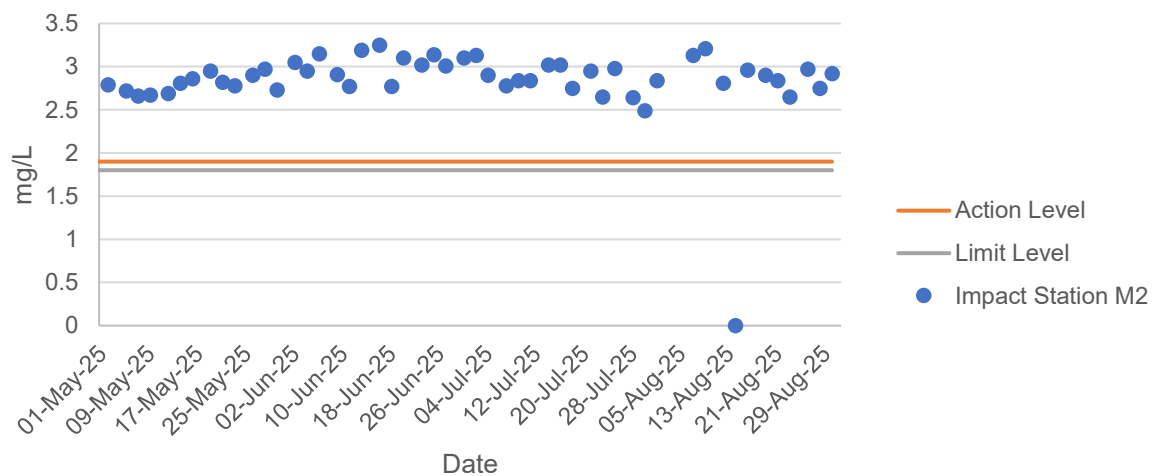
For Flood Tide						
Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

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

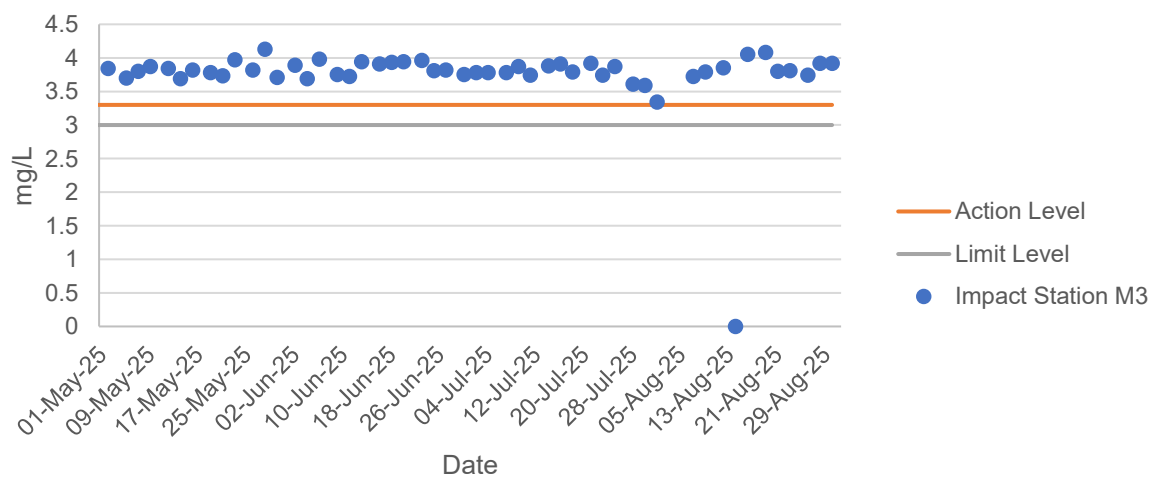
Dissolved Oxygen at Mid-Flood Tide



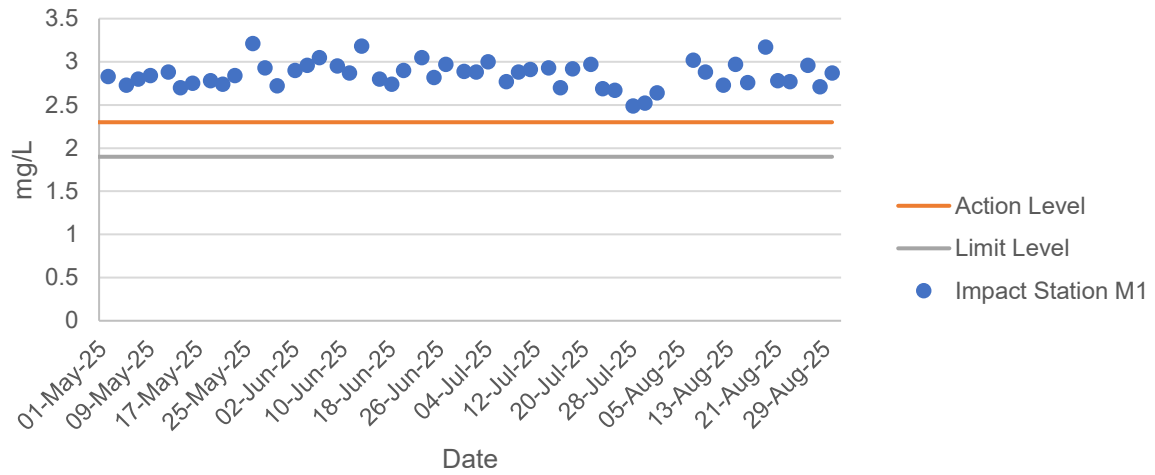
Dissolved Oxygen at Mid-Flood Tide



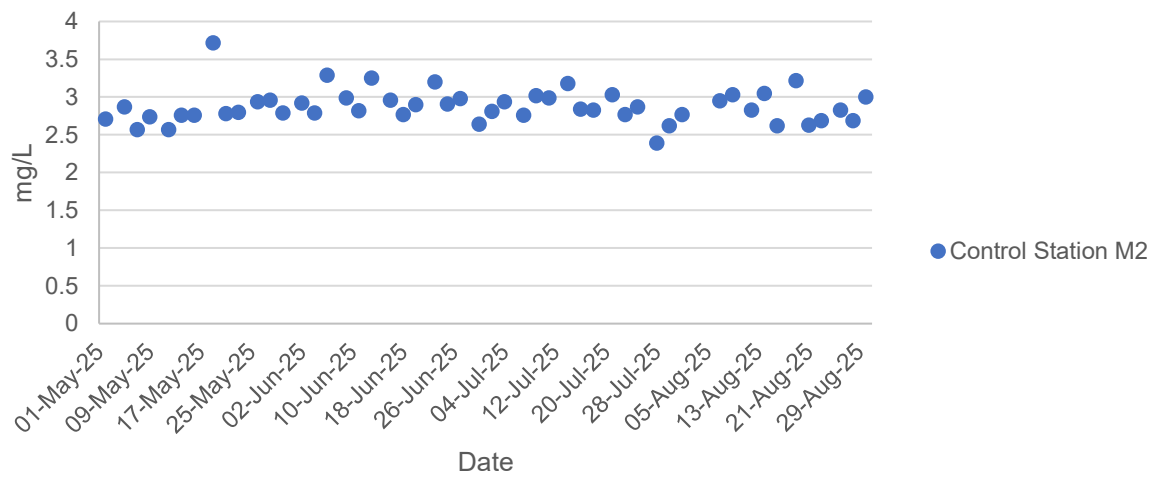
Dissolved Oxygen at Mid-Flood Tide



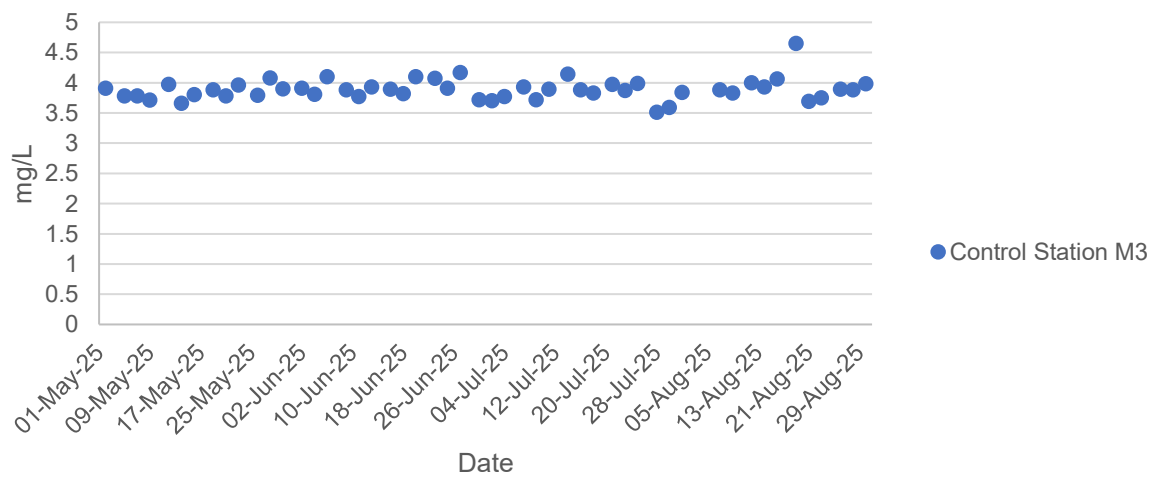
Dissolved Oxygen at Mid-Ebb Tide

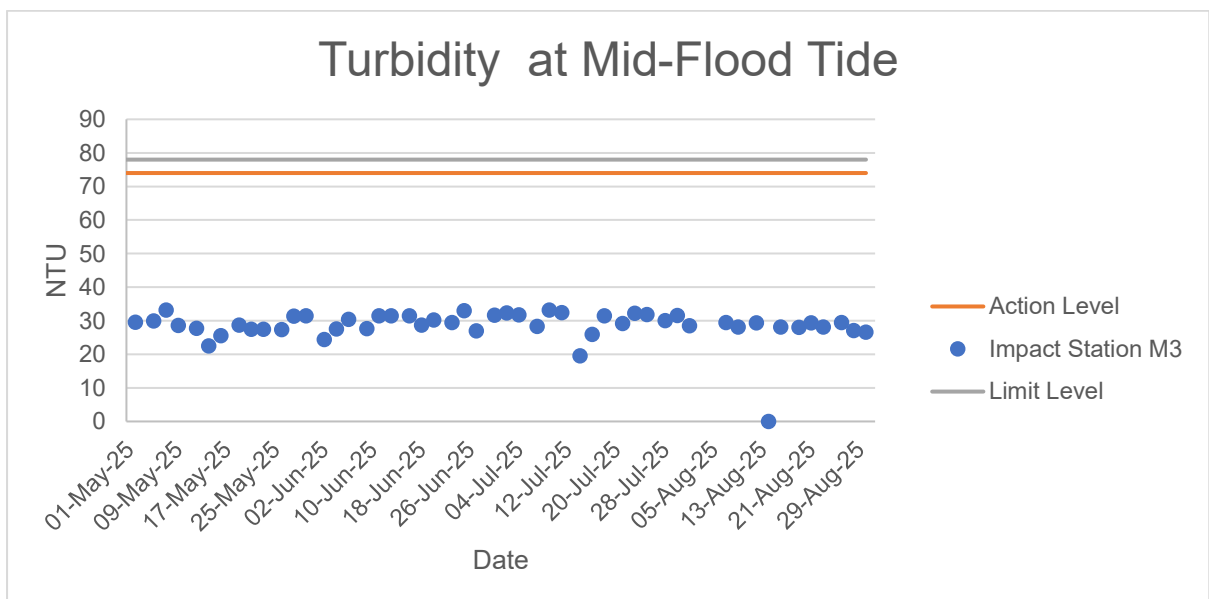
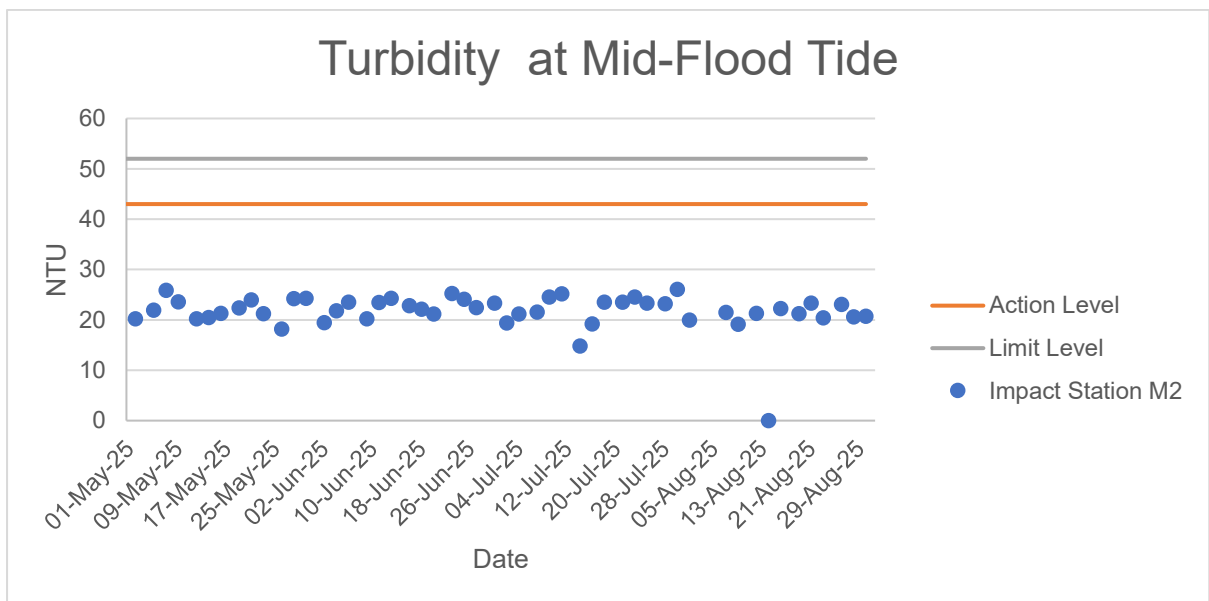
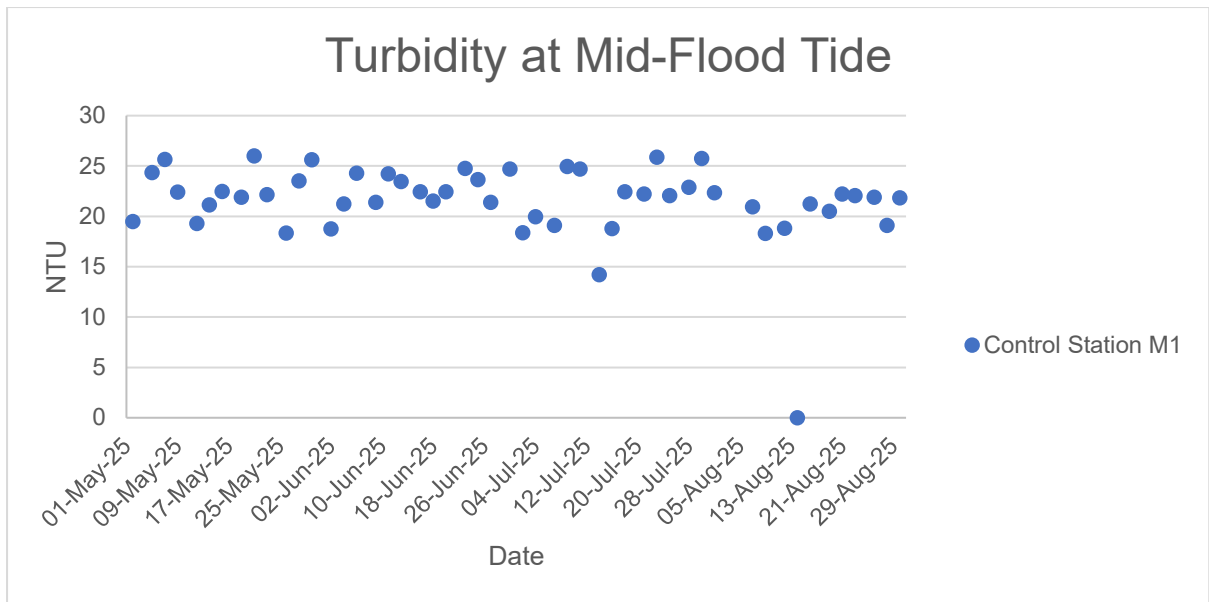


Dissolved Oxygen at Mid-Ebb Tide

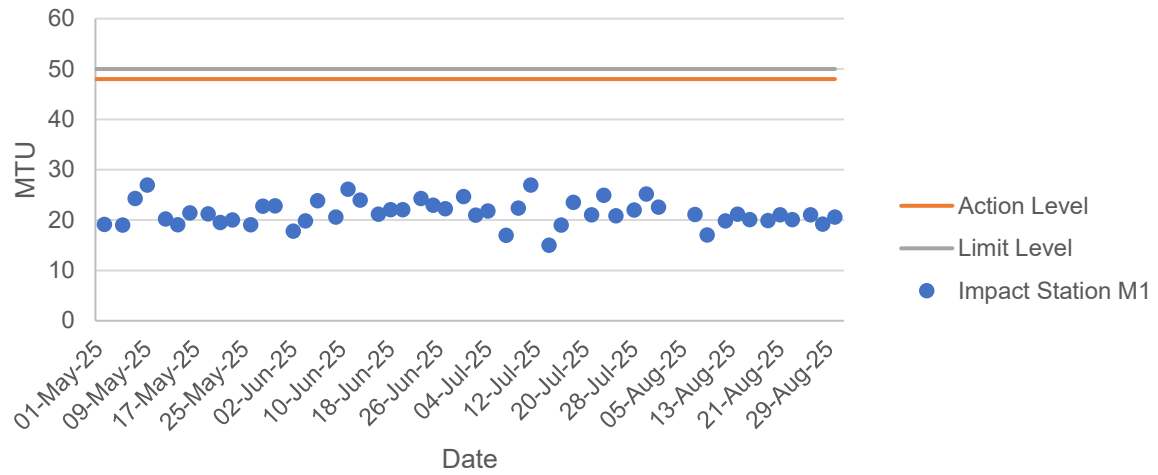


Dissolved Oxygen at Mid-Ebb Tide

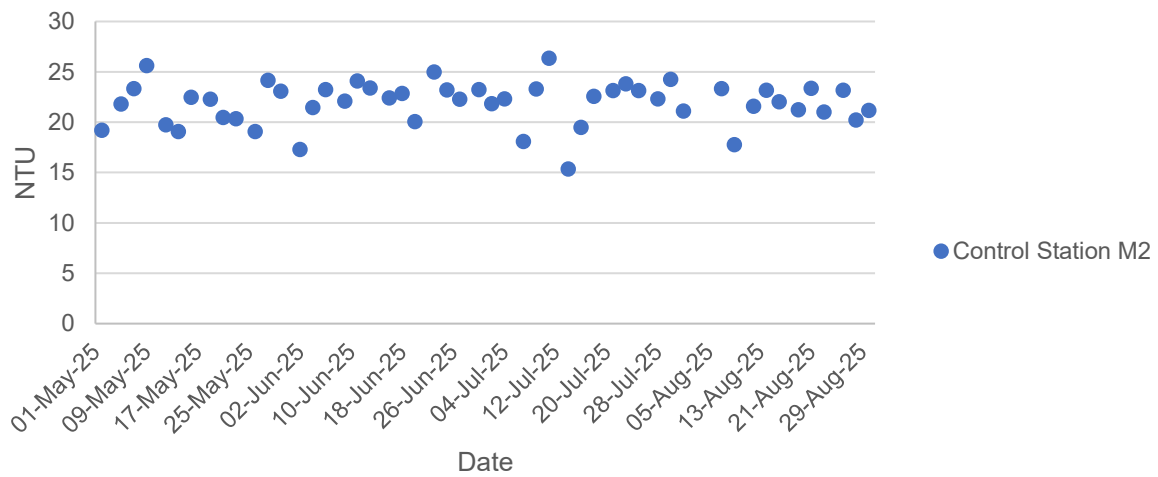




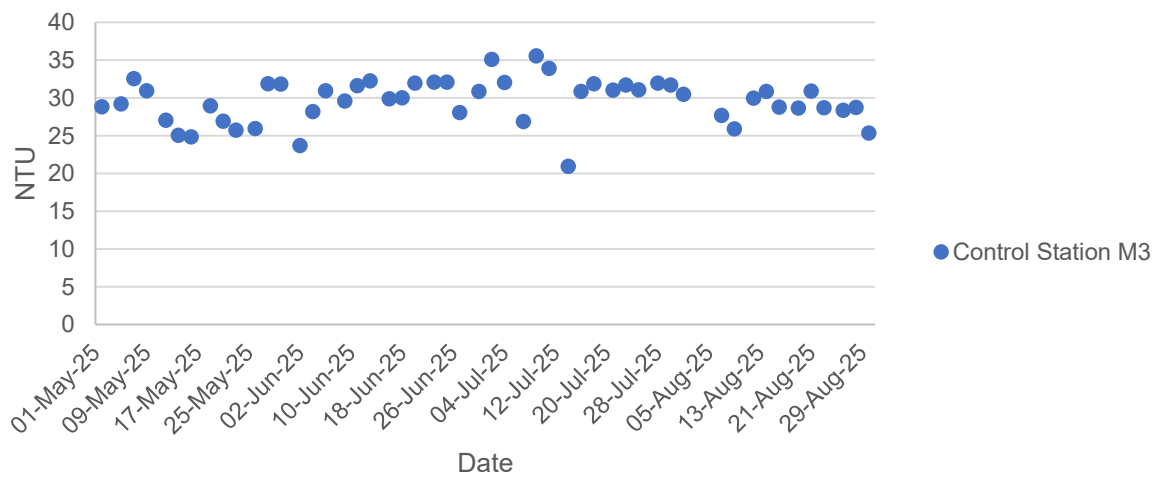
Turbidity at Mid-Ebb Tide



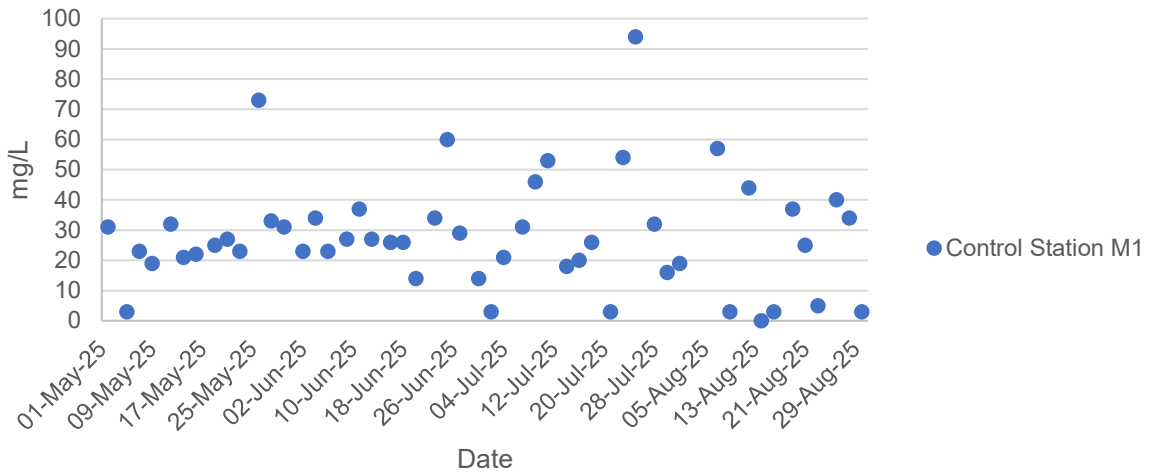
Turbidity at Mid-Ebb Tide



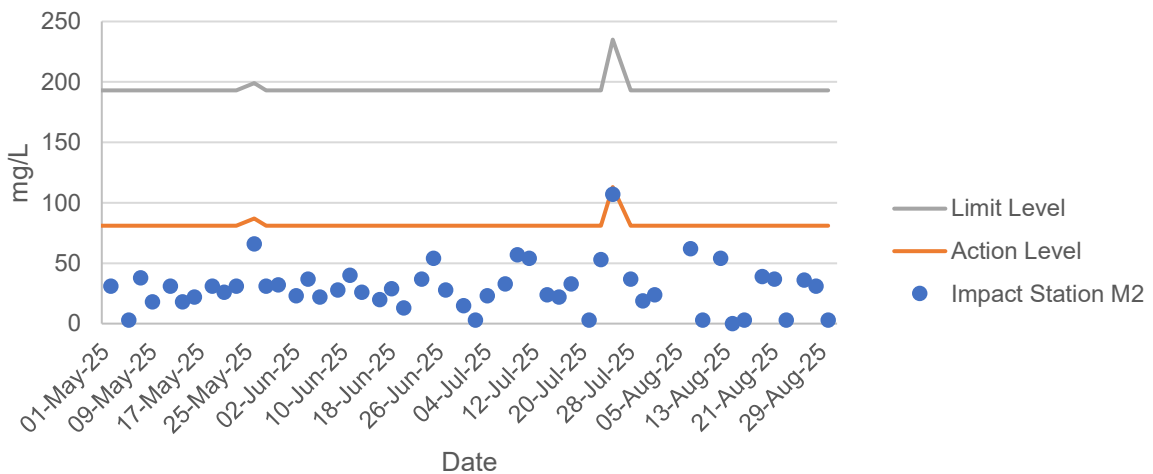
Turbidity at Mid-Ebb Tide



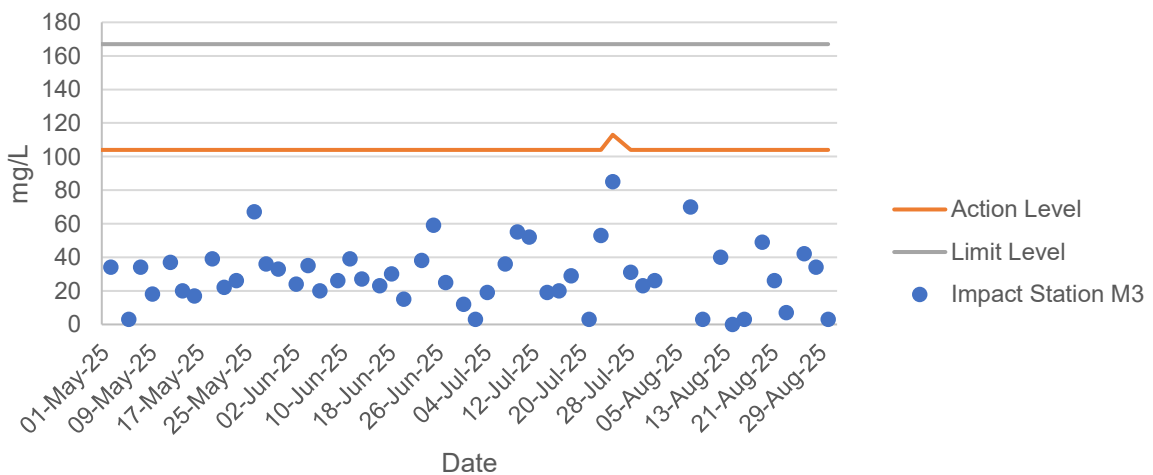
Total Suspended Solids at Mid-Flood Tide



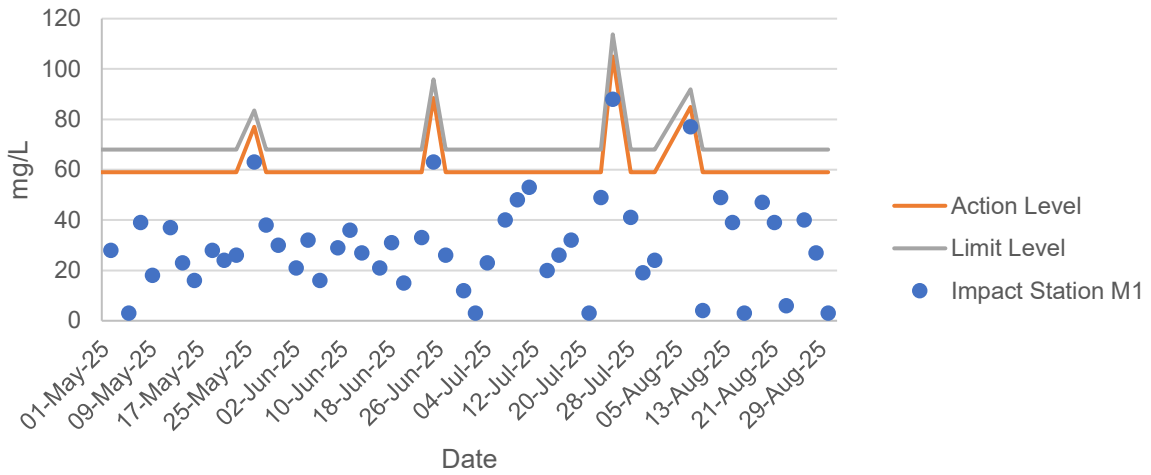
Total Suspended Solids at Mid-Flood Tide



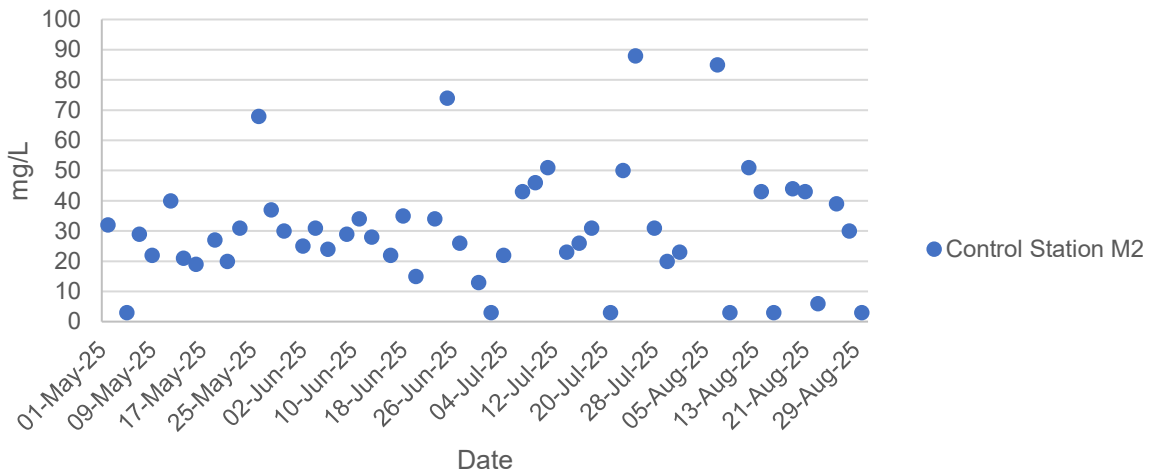
Total Suspended Solids at Mid-Flood Tide



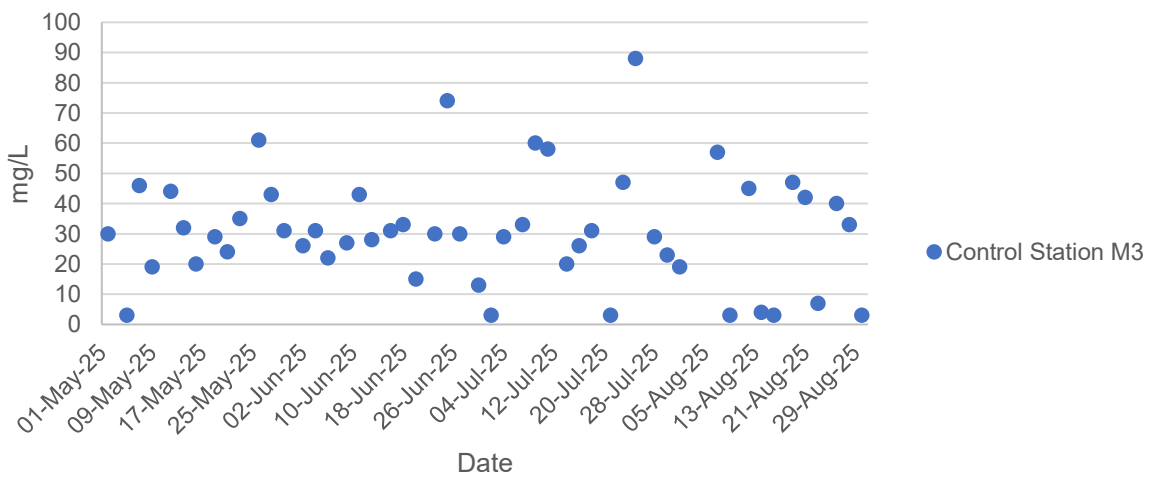
Total Suspended Solids at Mid-Ebb Tide



Total Suspended Solids at Mid-Ebb Tide



Total Suspended Solids at Mid-Ebb Tide



Ecology Monitoring Results for

Contract No. SPW 02/2023

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

Appendix F.1 Ecological Bird Monitoring Result (8 August 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
08/08/2025	Daytime	Wet	FLW	Point Count	FLW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	FLW	Point Count	FLW1	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	1	Common	-	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW1	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW1	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW1	Common Myna	<i>Acridotheres tristis</i>	3	Uncommon	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW2	House Swift	<i>Apus nipalensis</i>	3	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW2	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW2	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW2	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW3	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
08/08/2025	Daytime	Wet	FLW	Point Count	FLW3	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW3	Eurasian Tree Sparrow	<i>Passer montanus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW4	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	FLW	Point Count	FLW4	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW4	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	FLW	Point Count	FLW4	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW4	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW4	Barn Swallow	<i>Hirundo rustica</i>	3	Abundant	PM,SV	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW4	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW4	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW5	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	FLW	Point Count	FLW5	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	FLW	Point Count	FLW5	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
08/08/2025	Daytime	Wet	FLW	Point Count	FLW5	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	3	Common	-	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (8 August 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
08/08/2025	Daytime	Wet	FLW	Point Count	FLW5	Spotted Dove	<i>Spilopelia chinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW5	Pied Kingfisher	<i>Ceryle rudis</i>	1	Uncommon	R	-	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	FLW	Point Count	FLW5	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW5	Collared Crow	<i>Corvus torquatus</i>	2	Uncommon	R	LC	-	-	NT	VU	Y	Y
08/08/2025	Daytime	Wet	FLW	Point Count	FLW5	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW5	Crested Myna	<i>Acridotheres cristatellus</i>	15	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW5	Common Myna	<i>Acridotheres tristis</i>	6	Uncommon	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW5	Black-collared Starling	<i>Gracupica nigricollis</i>	8	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW5	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW5	Eurasian Tree Sparrow	<i>Passer montanus</i>	6	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW5	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW6	Chinese Pond Heron	<i>Ardeola bacchus</i>	19	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	FLW	Point Count	FLW6	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW6	White-throated Kingfisher	<i>Halcyon smymensis</i>	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	FLW	Point Count	FLW6	Azure-winged Magpie	<i>Cyanopica cyanus</i>	2	Introduced	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW6	Crested Myna	<i>Acridotheres cristatellus</i>	11	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW6	Black-collared Starling	<i>Gracupica nigricollis</i>	8	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW6	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW7	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	FLW	Point Count	FLW7	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW7	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW7	Azure-winged Magpie	<i>Cyanopica cyanus</i>	9	Introduced	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW7	Large-billed Crow	<i>Corvus macrorhynchos</i>	1	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Point Count	FLW7	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (8 August 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
08/08/2025	Daytime	Wet	FLW	Point Count	FLW7	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Point Count	NSW1	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Point Count	NSW1	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Point Count	NSW1	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
08/08/2025	Daytime	Wet	NSW	Point Count	NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	NSW1	White-throated Kingfisher	<i>Halcyon smymensis</i>	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Point Count	NSW1	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
08/08/2025	Daytime	Wet	NSW	Point Count	NSW1	Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>	2	Common	R	-	-	-	-	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Tree Sparrow	<i>Passer montanus</i>	8	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Greenshank	<i>Tringa nebularia</i>	1	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Barn Swallow	<i>Hirundo rustica</i>	3	Abundant	PM,SV	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Swinhoe's White-eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (8 August 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
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Common Greenshank	<i>Tringa nebularia</i>	1	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	White-throated Kingfisher	<i>Halcyon smymensis</i>	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Barn Swallow	<i>Hirundo rustica</i>	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Black-collared Starling	<i>Gracupica nigricollis</i>	2	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Great Egret	<i>Ardea alba</i>	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Greenshank	<i>Tringa nebularia</i>	3	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Collared Crow	<i>Corvus torquatus</i>	1	Uncommon	R	LC	-	-	NT	VU	Y	Y
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Swinhoe's White-eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Crested Myna	<i>Acridotheres cristatellus</i>	2	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Transect	FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	FLW	Transect	FLW	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	FLW	Transect	FLW	Little Egret	<i>Egretta garzetta</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	FLW	Transect	FLW	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	FLW	Transect	FLW	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
08/08/2025	Daytime	Wet	FLW	Transect	FLW	Spotted Dove	<i>Spilopelia chinensis</i>	5	Abundant	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (8 August 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
08/08/2025	Daytime	Wet	FLW	Transect	FLW	House Swift	<i>Apus nipalensis</i>	3	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Transect	FLW	Pied Kingfisher	<i>Ceryle rudis</i>	2	Uncommon	R	-	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	FLW	Transect	FLW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	3	Introduced	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Transect	FLW	Barn Swallow	<i>Hirundo rustica</i>	8	Abundant	PM,SV	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Transect	FLW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Transect	FLW	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Transect	FLW	Swinhoe's White- eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Transect	FLW	Crested Myna	<i>Acridotheres cristatellus</i>	12	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Transect	FLW	White-shouldered Starling	<i>Sturnia sinensis</i>	7	Common	M,W,Su	(LC)	-	-	-	LC	Y	N
08/08/2025	Daytime	Wet	FLW	Transect	FLW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	FLW	Transect	FLW	Scaly-breasted Munia	<i>Lonchura punctulata</i>	5	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Transect	NSW	Chinese Pond Heron	<i>Ardeola bacchus</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Transect	NSW	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Transect	NSW	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Transect	NSW	Little Egret	<i>Egretta garzetta</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	NSW	Transect	NSW	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Transect	NSW	Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>	1	Common	R	-	-	-	-	LC	N	N
08/08/2025	Daytime	Wet	NSW	Transect	NSW	Collared Crow	<i>Corvus torquatus</i>	1	Uncommon	R	LC	-	-	NT	VU	Y	Y
08/08/2025	Daytime	Wet	NSW	Transect	NSW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	NSW	Transect	NSW	White-shouldered Starling	<i>Sturnia sinensis</i>	3	Common	M,W,Su	(LC)	-	-	-	LC	Y	N
08/08/2025	Daytime	Wet	NSW	Transect	NSW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Great Egret	<i>Ardea alba</i>	4	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Little Egret	<i>Egretta garzetta</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (8 August 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
08/08/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Black-winged stilt	<i>Himantopus himantopus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
08/08/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Marsh Sandpiper	<i>Tringa stagnatilis</i>	1	Common	PM,WV	RC	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Wood Sandpiper	<i>Tringa glareola</i>	2	Common	PM,WV	LC	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Common Greenshank	<i>Tringa nebularia</i>	4	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
08/08/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Swinhoe's White- eye	<i>Zosterops simplex</i>	3	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Crested Myna	<i>Acridotheres cristatellus</i>	8	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
08/08/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	White Wagtail	<i>Motacilla alba</i>	3	Common	PM,WV	-	-	-	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 (8 August 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Ardeola bacchus</i>	34	0.1393	-1.9708	-0.2746	0.5412
<i>Ardea cinerea</i>	1	0.0041	-5.4972	-0.0225	0.1238
<i>Ardea alba</i>	7	0.0287	-3.5513	-0.1019	0.3618
<i>Egretta garzetta</i>	4	0.0164	-4.1109	-0.0674	0.2770
<i>Milvus migrans</i>	3	0.0123	-4.3986	-0.0541	0.2379
<i>Amaurornis phoenicurus</i>	4	0.0164	-4.1109	-0.0674	0.2770
<i>Actitis hypoleucos</i>	1	0.0041	-5.4972	-0.0225	0.1238
<i>Tringa nebularia</i>	5	0.0205	-3.8877	-0.0797	0.3097
<i>Streptopelia decaocto</i>	4	0.0164	-4.1109	-0.0674	0.2770
<i>Spilopelia chinensis</i>	13	0.0533	-2.9322	-0.1562	0.4581
<i>Centropus sinensis</i>	3	0.0123	-4.3986	-0.0541	0.2379
<i>Apus nipalensis</i>	3	0.0123	-4.3986	-0.0541	0.2379
<i>Halcyon smyrnensis</i>	4	0.0164	-4.1109	-0.0674	0.2770
<i>Alcedo atthis</i>	1	0.0041	-5.4972	-0.0225	0.1238
<i>Ceryle rudis</i>	1	0.0041	-5.4972	-0.0225	0.1238
<i>Lanius schach</i>	1	0.0041	-5.4972	-0.0225	0.1238
<i>Cyanopica cyanus</i>	11	0.0451	-3.0993	-0.1397	0.4330
<i>Urocissa erythroryncha</i>	2	0.0082	-4.8040	-0.0394	0.1892
<i>Corvus torquatus</i>	3	0.0123	-4.3986	-0.0541	0.2379
<i>Corvus macrorhynchos</i>	1	0.0041	-5.4972	-0.0225	0.1238
<i>Pycnonotus jocosus</i>	4	0.0164	-4.1109	-0.0674	0.2770
<i>Pycnonotus sinensis</i>	9	0.0369	-3.2999	-0.1217	0.4017
<i>Hirundo rustica</i>	8	0.0328	-3.4177	-0.1121	0.3830
<i>Prinia inomata</i>	4	0.0164	-4.1109	-0.0674	0.2770
<i>Pterorhinus perspicillatus</i>	5	0.0205	-3.8877	-0.0797	0.3097
<i>Zosterops simplex</i>	4	0.0164	-4.1109	-0.0674	0.2770
<i>Acridotheres cristatellus</i>	44	0.1803	-1.7130	-0.3089	0.5291
<i>Acridotheres tristis</i>	9	0.0369	-3.2999	-0.1217	0.4017
<i>Gracupica nigricollis</i>	27	0.1107	-2.2013	-0.2436	0.5362
<i>Copsychus saularis</i>	3	0.0123	-4.3986	-0.0541	0.2379
<i>Passer montanus</i>	16	0.0656	-2.7246	-0.1787	0.4868
<i>Motacilla alba</i>	5	0.0205	-3.8877	-0.0797	0.3097
Total	244	1	-128.4292	-2.9148	9.5227
Richness	32				
SS	9.5227				
SQ	8.4960				
H	2.9148				
S ² H	0.0045				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (8 August 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Ardeola bacchus</i>	34	0.5231	-0.6480	-0.3390	0.2197
<i>Ardea cinerea</i>	1	0.0154	-4.1744	-0.0642	0.2681
<i>Ardea alba</i>	7	0.1077	-2.2285	-0.2400	0.5348
<i>Egretta garzetta</i>	4	0.0615	-2.7881	-0.1716	0.4784
<i>Milvus migrans</i>	3	0.0462	-3.0758	-0.1420	0.4366
<i>Tringa nebularia</i>	5	0.0769	-2.5649	-0.1973	0.5061
<i>Centropus sinensis</i>	3	0.0462	-3.0758	-0.1420	0.4366
<i>Halcyon smyrnensis</i>	4	0.0615	-2.7881	-0.1716	0.4784
<i>Ceryle rudis</i>	1	0.0154	-4.1744	-0.0642	0.2681
<i>Corvus torquatus</i>	3	0.0462	-3.0758	-0.1420	0.4366
Total	65	1	-28.5937	-1.6737	4.0634
Richness	10				
SS	4.0634				
SQ	2.8014				
H	1.6737				
S ² H	0.02048				

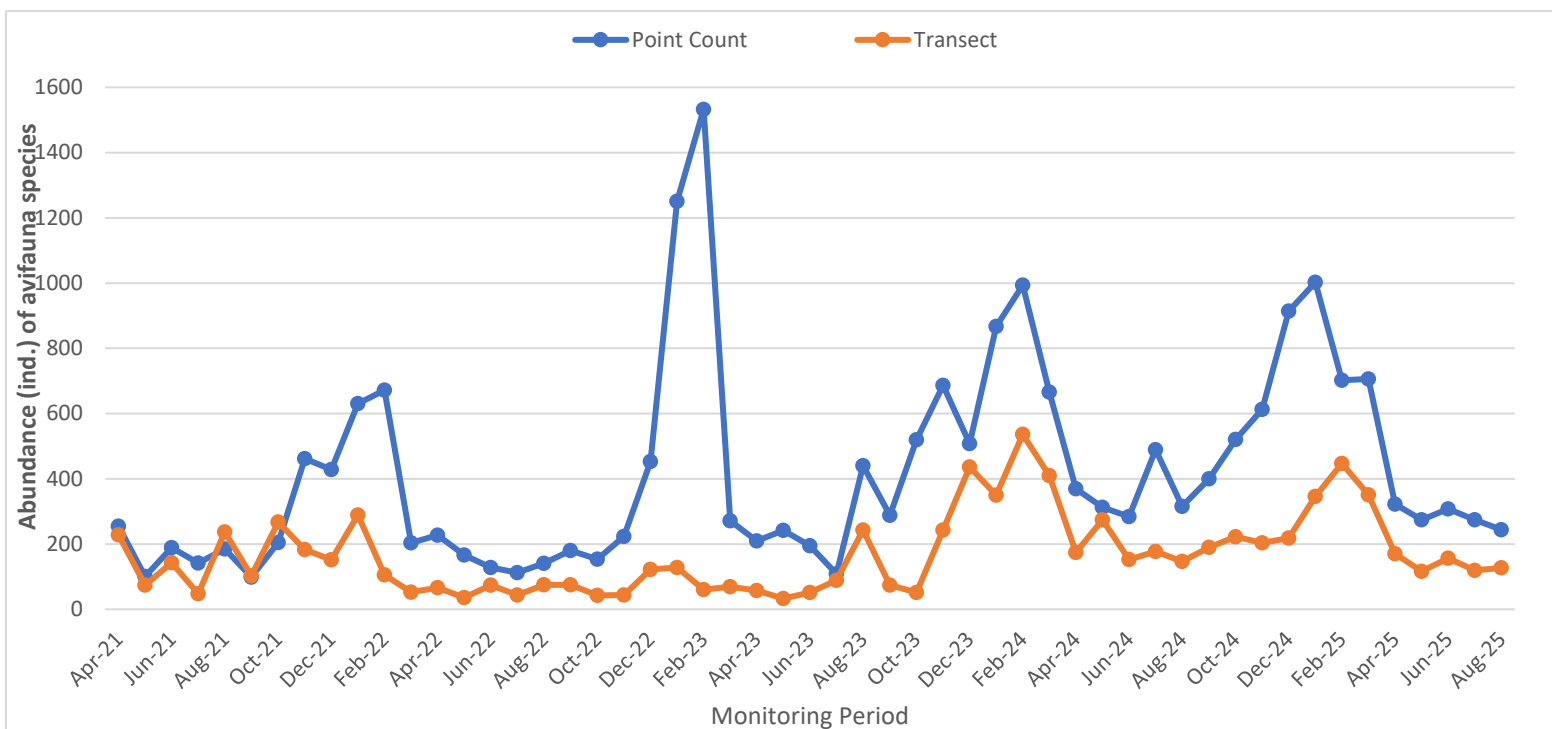
Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method)
in All Habitats (8 August 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Ardeola bacchus</i>	12	0.0945	-2.3593	-0.2229	0.5259
<i>Ardea cinerea</i>	1	0.0079	-4.8442	-0.0381	0.1848
<i>Ardea alba</i>	8	0.0630	-2.7647	-0.1742	0.4815
<i>Egretta garzetta</i>	9	0.0709	-2.6470	-0.1876	0.4965
<i>Milvus migrans</i>	1	0.0079	-4.8442	-0.0381	0.1848
<i>Amaurornis phoenicurus</i>	2	0.0157	-4.1510	-0.0654	0.2714
<i>Himantopus himantopus</i>	4	0.0315	-3.4579	-0.1089	0.3766
<i>Actitis hypoleucos</i>	1	0.0079	-4.8442	-0.0381	0.1848
<i>Tringa stagnatilis</i>	1	0.0079	-4.8442	-0.0381	0.1848
<i>Tringa glareola</i>	2	0.0157	-4.1510	-0.0654	0.2714
<i>Tringa nebularia</i>	4	0.0315	-3.4579	-0.1089	0.3766
<i>Spilopelia chinensis</i>	7	0.0551	-2.8983	-0.1597	0.4630
<i>Apus nipalensis</i>	3	0.0236	-3.7456	-0.0885	0.3314
<i>Ceryle rudis</i>	2	0.0157	-4.1510	-0.0654	0.2714
<i>Cyanopica cyanus</i>	3	0.0236	-3.7456	-0.0885	0.3314
<i>Urocissa erythroryncha</i>	1	0.0079	-4.8442	-0.0381	0.1848
<i>Corvus torquatus</i>	1	0.0079	-4.8442	-0.0381	0.1848
<i>Hirundo rustica</i>	8	0.0630	-2.7647	-0.1742	0.4815
<i>Prinia flaviventris</i>	1	0.0079	-4.8442	-0.0381	0.1848
<i>Prinia inornata</i>	2	0.0157	-4.1510	-0.0654	0.2714
<i>Pterorhinus perspicillatus</i>	2	0.0157	-4.1510	-0.0654	0.2714
<i>Zosterops simplex</i>	5	0.0394	-3.2347	-0.1274	0.4120
<i>Acridotheres cristatellus</i>	20	0.1575	-1.8485	-0.2911	0.5381
<i>Gracupica nigricollis</i>	6	0.0472	-3.0524	-0.1442	0.4402
<i>Sturnia sinensis</i>	10	0.0787	-2.5416	-0.2001	0.5086
<i>Copsychus saularis</i>	3	0.0236	-3.7456	-0.0885	0.3314
<i>Lonchura punctulata</i>	5	0.0394	-3.2347	-0.1274	0.4120
<i>Motacilla alba</i>	3	0.0236	-3.7456	-0.0885	0.3314
Total	127	1	-103.9086	-2.9743	9.4883
Richness	28				
SS	9.4883				
SQ	8.8464				
H	2.9743				
S ² H	0.005891				

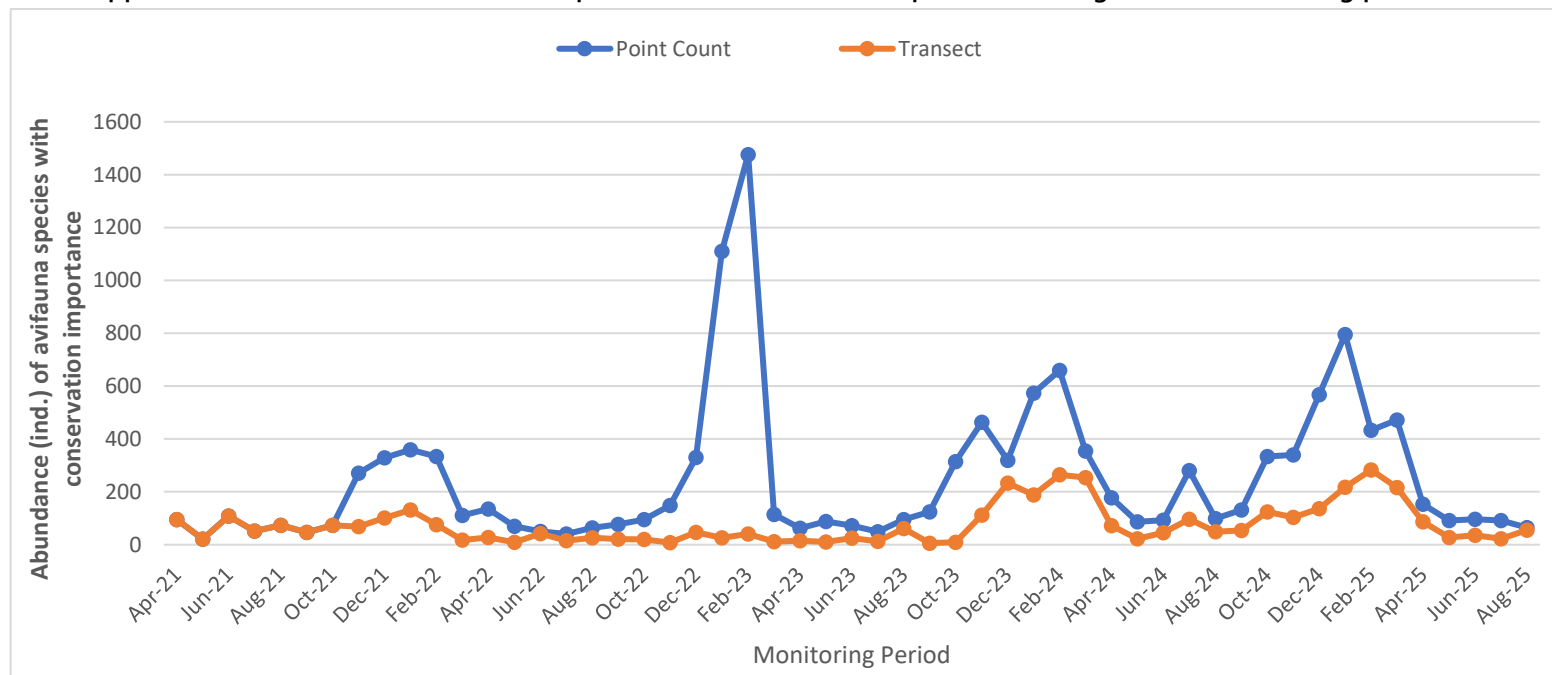
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (8 August 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Ardeola bacchus</i>	12	0.2182	-1.5224	-0.3322	0.5057
<i>Ardea cinerea</i>	1	0.0182	-4.0073	-0.0729	0.2920
<i>Ardea alba</i>	8	0.1455	-1.9279	-0.2804	0.5406
<i>Egretta garzetta</i>	9	0.1636	-1.8101	-0.2962	0.5362
<i>Milvus migrans</i>	1	0.0182	-4.0073	-0.0729	0.2920
<i>Himantopus himantopus</i>	4	0.0727	-2.6210	-0.1906	0.4996
<i>Tringa stagnatilis</i>	1	0.0182	-4.0073	-0.0729	0.2920
<i>Tringa glareola</i>	2	0.0364	-3.3142	-0.1205	0.3994
<i>Tringa nebularia</i>	4	0.0727	-2.6210	-0.1906	0.4996
<i>Ceryle rudis</i>	2	0.0364	-3.3142	-0.1205	0.3994
<i>Corvus torquatus</i>	1	0.0182	-4.0073	-0.0729	0.2920
<i>Sturnia sinensis</i>	10	0.1818	-1.7047	-0.3100	0.5284
Total	55	1	-34.8650	-2.1325	5.0768
Richness	12				
SS	5.0768				
SQ	4.5474				
H	2.1325				
S ² H	0.01145				

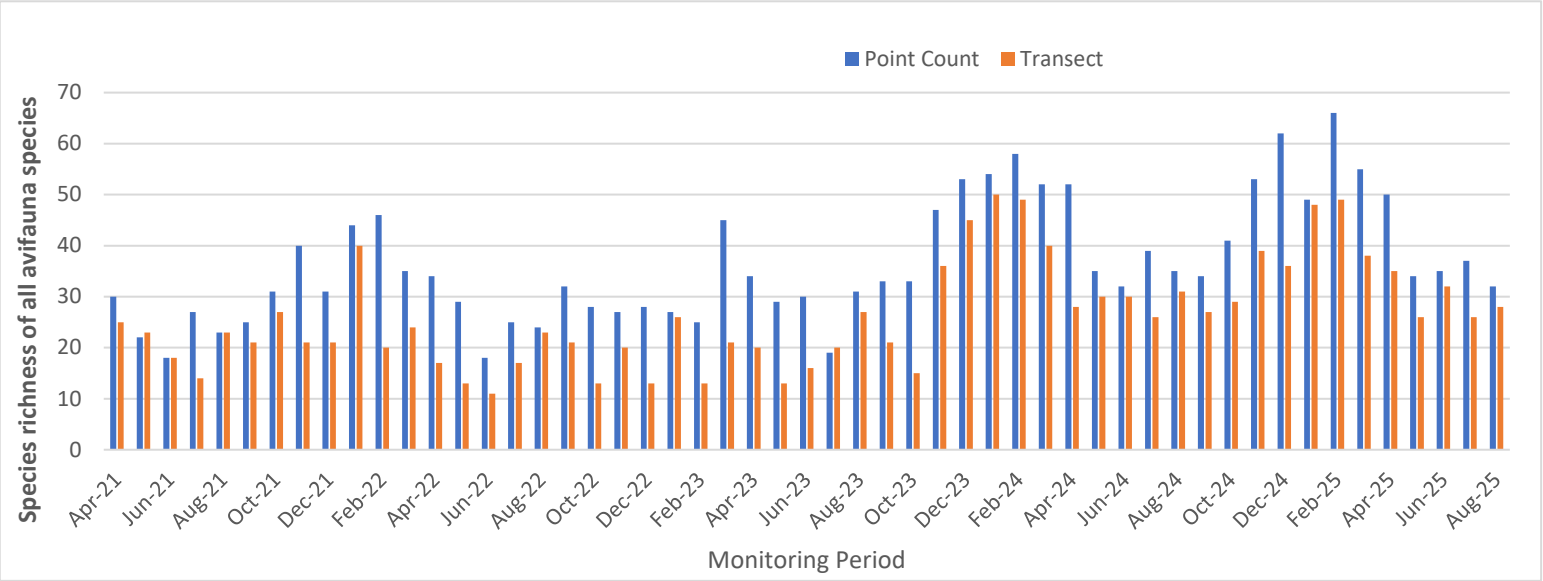
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



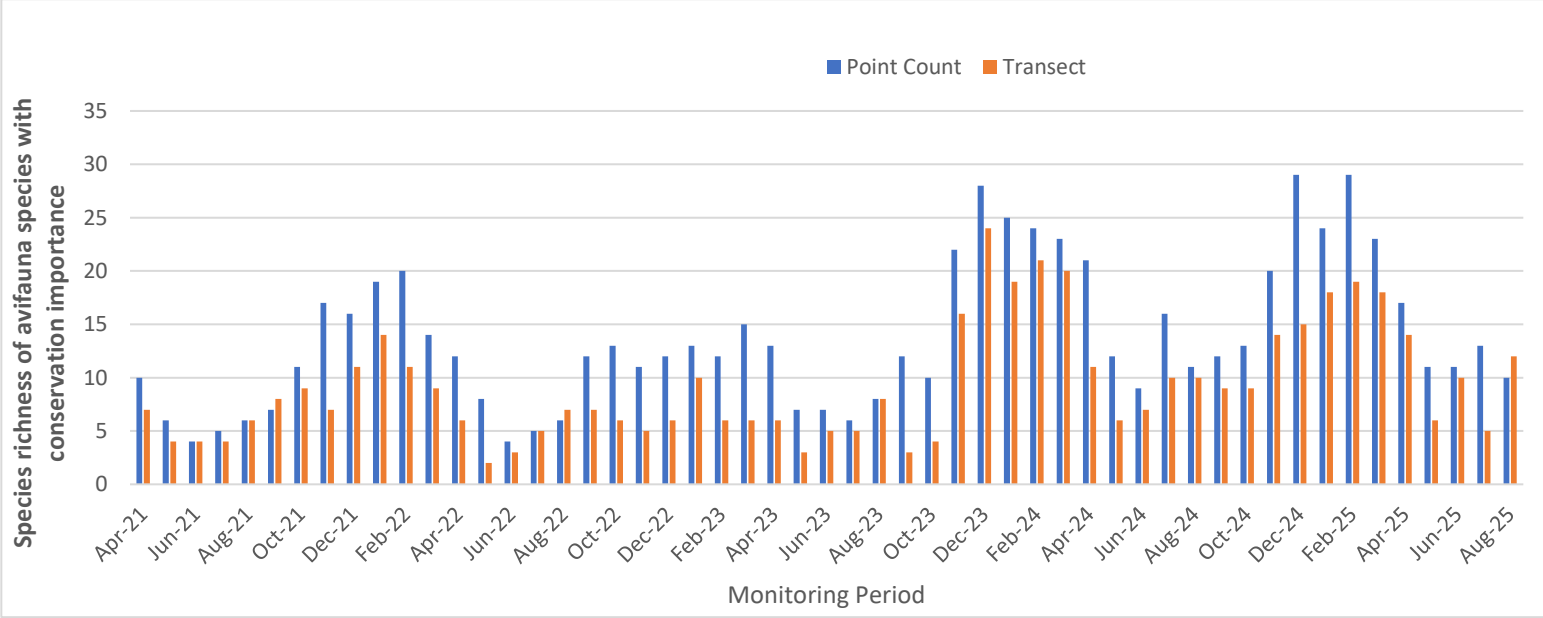
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



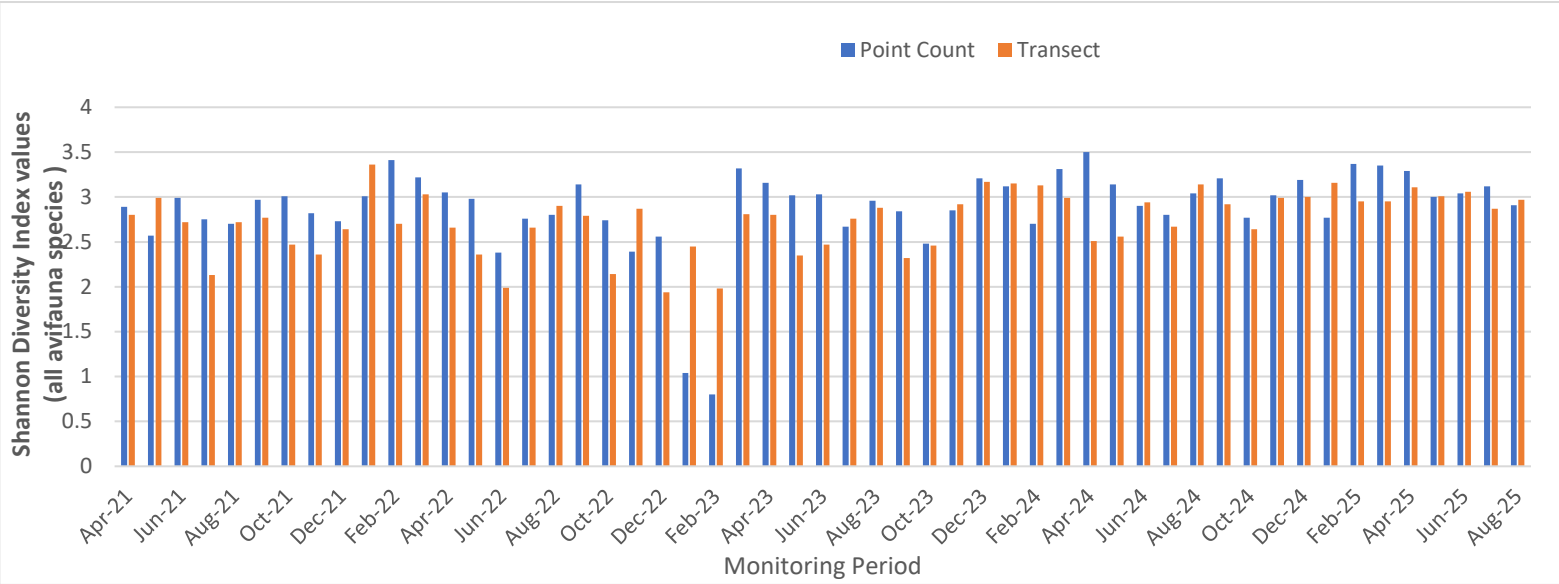
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



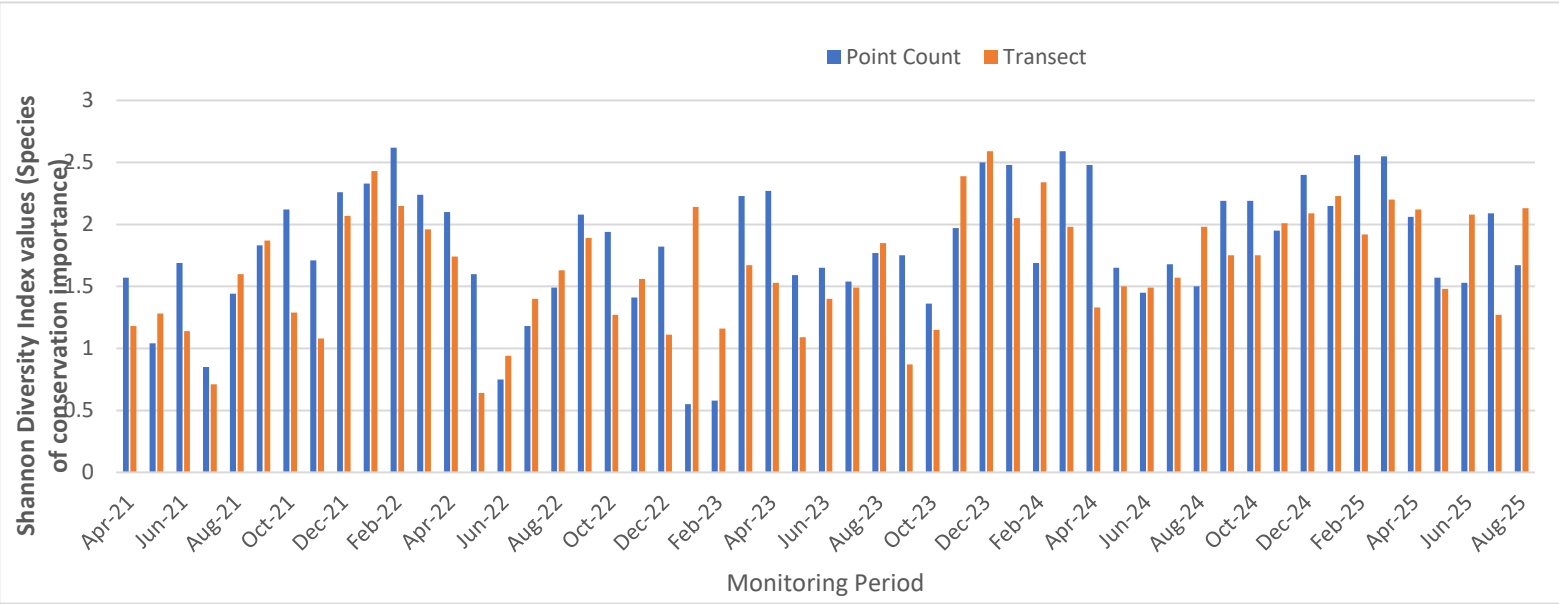
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



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	August 2016	August 2025
Total	160	244
Richness	26	32
H	2.7992	2.9148
S ² H	0.005600	0.004468
t	1.1521	
df	364.8639	
Crit	1.9665	
p	2.50E-01	
CI	0.1497	0.1337

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

Months	August 2016	August 2025
Total	140	127
Richness	30	28
H	2.8718	2.9743
S ² H	0.00818	0.005891
t	0.8637	
df	263.5674	
Crit	1.9690	
p	3.89E-01	
CI	0.1809	0.1535

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

Months	August 2016	August 2025
Total	66	65
Richness	7	10
H	1.6754	1.6737
S ² H	0.007200	0.020480
t	0.0100	
df	105.8520	
Crit	1.9828	
p	9.92E-01	
CI	0.1697	0.2862

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

Months	August 2016	August 2025
Total	54	55
Richness	6	12
H	1.2637	2.1325
S ² H	0.01370	0.01145
t	5.4787	
df	107.9451	
Crit	1.9824	
p	2.87E-07	
CI	0.2341	0.2140