

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.**

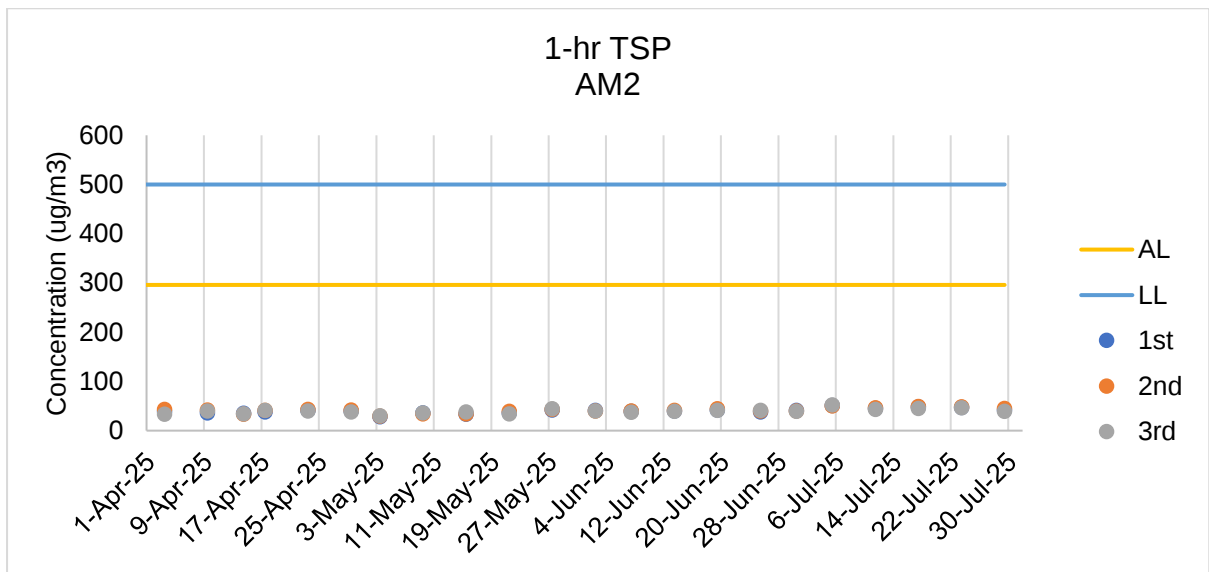
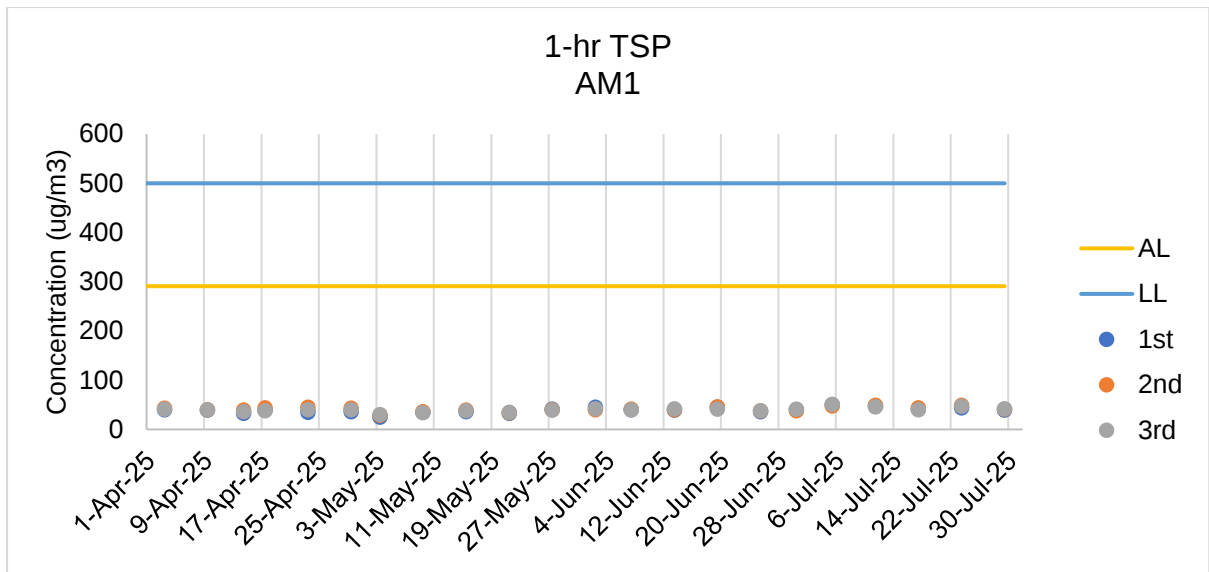
AM1 - Topline Machinery (China) Co. Ltd.			1-hour TSP (µg/m³)			Action Level (ug/m³)	Limit Level (ug/m³)
Date	Weather Condition	Start Time	1st Measurement	2nd Measurement	3rd Measurement		
5/7/2025	Fine	8:09	50	48	51	291	500
11/7/2025	Fine	8:21	48	49	46		
17/7/2025	Fine	8:11	41	44	40		
23/7/2025	Fine	8:45	44	49	47		
29/7/2025	Fine	8:32	39	41	42		
			Min	39			
			Max	51			
			Average	45			

AM2 - Squatter house at the west of Yuen Long STW

			1-hour TSP (µg/m³)			Action Level (ug/m³)	Limit Level (ug/m³)
Date	Weather Condition	Start Time	1st Measurement	2nd Measurement	3rd Measurement		
5/7/2025	Fine	13:00	51	50	52	296	500
11/7/2025	Fine	13:23	45	46	43		
17/7/2025	Fine	13:01	48	49	45		
23/7/2025	Fine	14:00	47	48	46		
29/7/2025	Fine	13:12	42	45	39		
		Min	39				
		Max	52				
		Average	46				

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)
5/7/2025	9:57	58.2	60.2	56.2	0.2	sunny	75
11/7/2025	10:06	59.1	61.9	57.4	0.1	sunny	75
17/7/2025	9:59	60.2	62.5	58.5	0.0	sunny	75
23/7/2025	10:33	60.1	62.1	57.5	2.1	sunny	75
29/7/2025	10:26	60.8	62.1	58.1	0.2	sunny	75
	Max	60.8					
	Min	58.2					

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)
5/7/2025	13:00	57.2	60.3	56.4	0.0	sunny	75
11/7/2025	13:23	56.4	58.1	54.5	0.3	sunny	75
17/7/2025	13:01	58.1	60.5	56.8	0.1	sunny	75
23/7/2025	14:00	59.4	61.9	57.7	1.9	sunny	75
29/7/2025	13:12	58.1	60.8	56.1	0.4	sunny	75
	Max	59.4					
	Min	56.4					

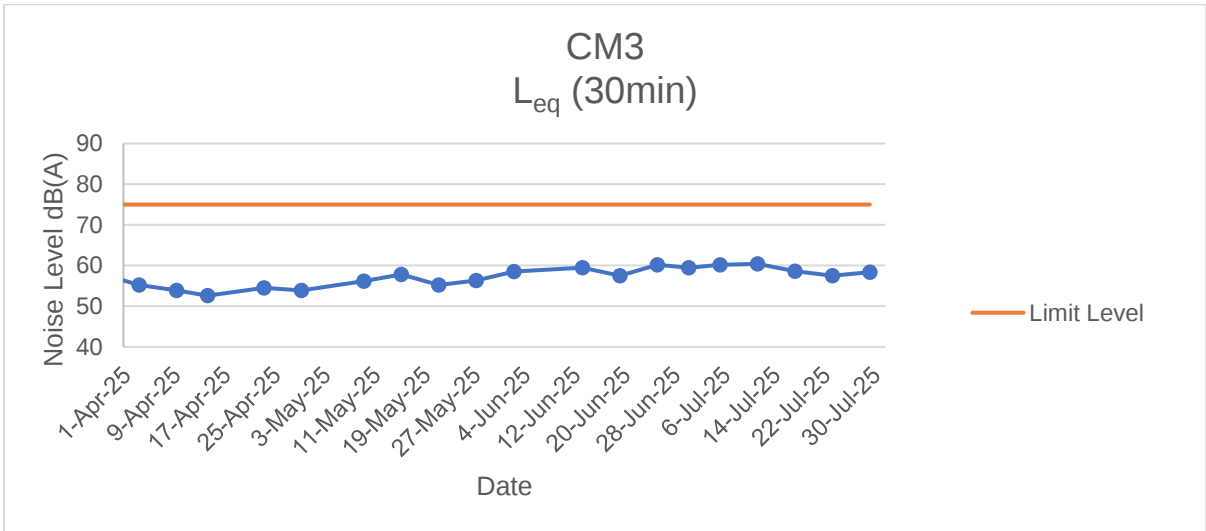
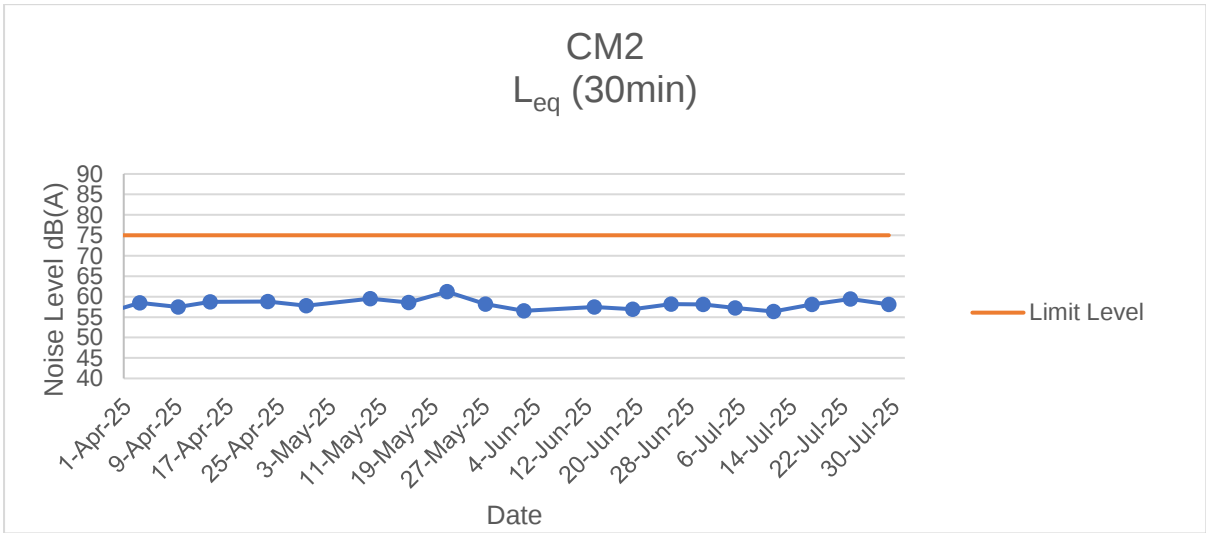
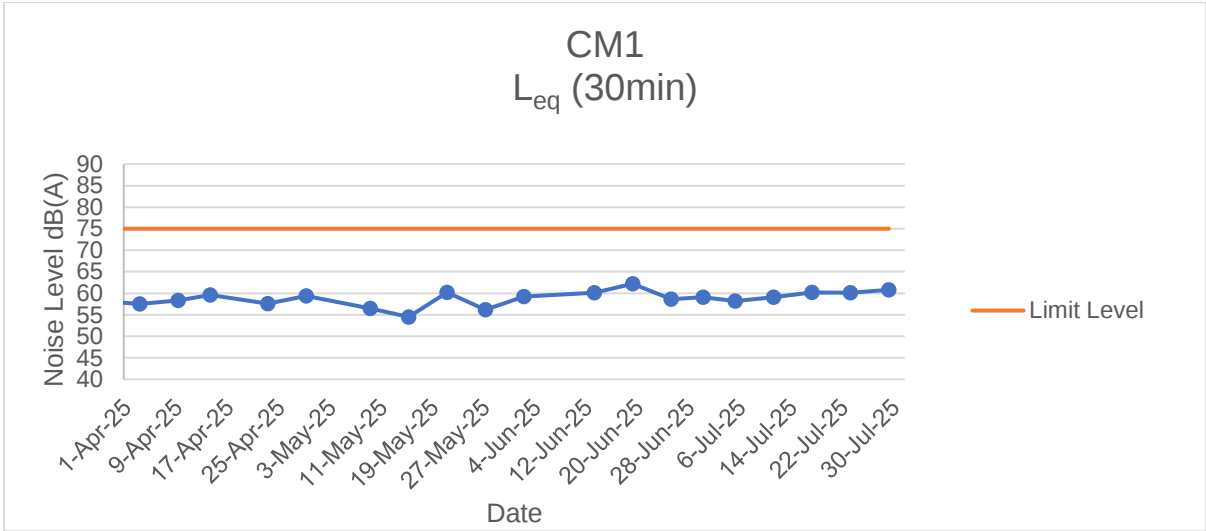
CM3 - Squatter house to the east of YLSTW

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
5/7/2025	8:43	60.2	61.5	58.2	0.3	sunny	75
11/7/2025	8:58	60.4	62.8	57.9	0.1	sunny	75
17/7/2025	8:47	58.6	60.1	57.1	2.1	sunny	75
23/7/2025	9:20	57.5	59.4	55.2	0.1	sunny	75
29/7/2025	9:11	58.4	60.4	56.1	0.1	sunny	75
	Max	60.4					
	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	2/7/2025	Mid-Flood	Cloudy	Low	17:53	2.4	M	1.20	1	0.085	172.708	7.2	7.21	3.38	3.43	27.8	27.80	39.0	38.80	2.89	2.90	18.56	18.365	2.5	3
M1	2/7/2025	Mid-Flood	Cloudy	Low	17:53	2.4	M	1.20	2			7.22	7.21	3.47	3.43	27.8	27.80	38.6	38.80	2.91	2.90	18.17	18.365	2.5	3
M2	2/7/2025	Mid-Flood	Cloudy	Low	18:22	2.2	M	1.10	1	0.074	165.724	7.16	7.17	3.45	3.47	27.8	27.85	41.6	42.35	3.08	3.13	19.26	19.385	2.5	3
M2	2/7/2025	Mid-Flood	Cloudy	Low	18:22	2.2	M	1.10	2			7.17	7.17	3.49	3.47	27.9	27.85	43.1	42.35	3.18	3.13	19.51	19.385	2.5	3
M3	2/7/2025	Mid-Flood	Cloudy	Low	18:35	2	M	1.00	1	0.075	166.38	7.14	7.14	3.77	3.81	27.8	27.85	51.4	50.95	3.81	3.78	32.37	32.3	2.5	3
M3	2/7/2025	Mid-Flood	Cloudy	Low	18:35	2	M	1.00	2			7.13	7.14	3.84	3.81	27.9	27.85	50.5	50.95	3.75	3.78	32.23	32.3	2.5	3
M1	2/7/2025	Mid-Ebb	Cloudy	Low	11:49	2.2	M	1.10	1	0.075	338.819	7.16	7.17	3.32	3.36	28.1	28.15	39.3	39.10	2.91	2.88	21.00	20.965	2.5	3
M1	2/7/2025	Mid-Ebb	Cloudy	Low	11:49	2.2	M	1.10	2			7.17	7.17	3.4	3.36	28.2	28.15	38.9	39.10	2.85	2.88	20.93	20.965	2.5	3
M2	2/7/2025	Mid-Ebb	Cloudy	Low	11:18	2	M	1.00	1	0.08	324.872	7.12	7.11	3.21	3.19	28.1	28.15	38.5	38.55	2.85	2.81	21.87	21.855	2.5	3
M2	2/7/2025	Mid-Ebb	Cloudy	Low	11:19	2	M	1.00	2			7.1	7.11	3.16	3.19	28.2	28.15	38.6	38.55	2.77	2.81	21.84	21.855	2.5	3
M3	2/7/2025	Mid-Ebb	Cloudy	Low	12:01	1.8	M	0.90	1	0.061	309.985	7.16	7.17	3.88	3.86	28.1	28.10	50.1	50.45	3.71	3.70	34.92	35.095	2.5	3
M3	2/7/2025	Mid-Ebb	Cloudy	Low	12:01	1.8	M	0.90	2			7.17	7.17	3.83	3.86	28.1	28.10	50.8	50.45	3.69	3.70	35.27	35.095	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	4/7/2025	Mid-Flood	Sunny	Low	8:05	2.5	M	1.25	1	0.088	173.727	7.08	7.08	3.28	3.30	28.5	28.50	38.4	37.50	2.85	2.79	20.17	19.955	21	21
M1	4/7/2025	Mid-Flood	Sunny	Low	8:05	2.5	M	1.25	2			7.07	7.07	3.32	3.30	28.5	28.50	36.6	37.50	2.72	2.79	19.74	19.955	20	21
M2	4/7/2025	Mid-Flood	Sunny	Low	8:35	2.3	M	1.15	1	0.085	172.044	7.07	7.06	3.33	3.37	28.5	28.55	39.0	39.50	2.89	2.90	21.28	21.175	22	23
M2	4/7/2025	Mid-Flood	Sunny	Low	8:35	2.3	M	1.15	2			7.05	7.06	3.4	3.37	28.6	28.55	40.0	39.50	2.91	2.90	21.07	21.175	24	23
M3	4/7/2025	Mid-Flood	Sunny	Low	8:53	2	M	1.00	1	0.093	169.893	7.09	7.10	3.96	3.94	28.5	28.55	51.8	51.15	3.84	3.78	31.94	31.745	18	19
M3	4/7/2025	Mid-Flood	Sunny	Low	8:53	2	M	1.00	2			7.11	7.10	3.92	3.94	28.6	28.55	50.5	51.15	3.71	3.78	31.55	31.745	19	19
M1	4/7/2025	Mid-Ebb	Sunny	Low	14:21	2.3	M	1.15	1	0.063	334.684	7.05	7.05	3.07	3.03	28.9	28.95	40.0	39.05	2.96	3.00	21.94	21.82	21	23
M1	4/7/2025	Mid-Ebb	Sunny	Low	14:21	2.3	M	1.15	2			7.04	7.05	2.99	3.03	29.0	28.95	38.1	39.05	3.03	3.00	21.7	21.82	24	23
M2	4/7/2025	Mid-Ebb	Sunny	Low	13:48	2.1	M	1.05	1	0.06	327.618	7.06	7.06	3.12	3.11	28.9	28.95	40.6	40.90	3.01	2.94	22.20	22.31	24	22
M2	4/7/2025	Mid-Ebb	Sunny	Low	13:48	2.1	M	1.05	2			7.06	7.06	3.09	3.11	29.0	28.95	41.2	40.90	2.87	2.94	22.42	22.31	20	22
M3	4/7/2025	Mid-Ebb	Sunny	Low	14:35	1.8	M	0.90	1	0.059	306.122	7.08	7.08	3.79	3.77	28.9	28.95	50.4	49.55	3.73	3.77	31.94	32.01	30	29
M3	4/7/2025	Mid-Ebb	Sunny	Low	14:35	1.8	M	0.90	2			7.07	7.08	3.74	3.77	29.0	28.95	48.7	49.55	3.8	3.77	32.08	32.01	27	29

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	7/7/2025	Mid-Flood	Cloudy	Low	10:58	2.3	M	1.15	1	0.083	165.324	7.05	7.05	3.03	3.06	27.4	27.45	36.0	35.95	2.67	2.64	18.98	19.115	32	31
M1	7/7/2025	Mid-Flood	Cloudy	Low	10:58	2.3	M	1.15	2			7.04		3.08		27.5		35.9		2.61		19.25		30	
M2	7/7/2025	Mid-Flood	Cloudy	Low	11:25	2.1	M	1.05	1	0.076	189.279	7.06	7.05	3.11	3.12	27.4	27.40	37.9	37.65	2.81	2.78	21.54	21.595	28	33
M2	7/7/2025	Mid-Flood	Cloudy	Low	11:25	2.1	M	1.05	2			7.04		3.13		27.4		37.4		2.74		21.65		38	
M3	7/7/2025	Mid-Flood	Cloudy	Low	11:38	1.9	M	0.95	1	0.088	161.825	7.09	7.10	3.56	3.54	27.4	27.45	51.7	52.40	3.83	3.78	28.11	28.255	39	36
M3	7/7/2025	Mid-Flood	Cloudy	Low	11:38	1.9	M	0.95	2			7.11		3.51		27.5		53.1		3.73		28.4		33	
M1	7/7/2025	Mid-Ebb	Cloudy	Low	16:44	2.3	M	1.15	1	0.073	340.025	7.06	7.06	2.96	2.92	27.6	27.60	37.5	36.70	2.78	2.77	17.07	16.99	37	40
M1	7/7/2025	Mid-Ebb	Cloudy	Low	16:44	2.3	M	1.15	2			7.05		2.88		27.6		35.9		2.76		16.91		42	
M2	7/7/2025	Mid-Ebb	Cloudy	Low	16:14	2	M	1.00	1	0.064	330.513	7.09	7.10	2.88	2.85	27.6	27.60	37.4	37.05	2.77	2.76	18.30	18.1	38	43
M2	7/7/2025	Mid-Ebb	Cloudy	Low	16:14	2	M	1.00	2			7.11		2.82		27.6		36.7		2.74		17.9		47	
M3	7/7/2025	Mid-Ebb	Cloudy	Low	17:01	1.9	M	0.95	1	0.059	331.804	7.12	7.12	3.63	3.59	27.6	27.60	53.2	53.65	3.94	3.93	26.96	26.87	35	33
M3	7/7/2025	Mid-Ebb	Cloudy	Low	17:01	1.9	M	0.95	2			7.11		3.54		27.6		54.1		3.91		26.78		30	

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	9/7/2025	Mid-Flood	Cloudy	Low	12:27	2.5	M	1.25	1	0.083	170.371	7.1	7.11	2.98	2.95	28.3	28.30	36.5	37.00	2.7	2.74	25.12	24.955	46	46
M1	9/7/2025	Mid-Flood	Cloudy	Low	12:27	2.5	M	1.25	2			7.11	7.11	2.92	2.95	28.3	28.30	37.5	37.00	2.78	2.74	24.79	24.955	45	46
M2	9/7/2025	Mid-Flood	Cloudy	Low	12:55	2.3	M	1.15	1			7.13	7.12	2.90	2.88	28.3	28.30	38.1	38.30	2.82	2.84	24.46	24.565	57	57
M2	9/7/2025	Mid-Flood	Cloudy	Low	12:55	2.3	M	1.15	2	0.075	161.307	7.11	7.12	2.86	2.88	28.3	28.30	38.5	38.30	2.85	2.84	24.67	24.565	57	57
M3	9/7/2025	Mid-Flood	Cloudy	Low	13:08	2.2	M	1.10	1			7.16	7.17	3.47	3.43	28.3	28.30	51.8	52.15	3.84	3.87	33.17	33.185	56	55
M3	9/7/2025	Mid-Flood	Cloudy	Low	13:08	2.2	M	1.10	2			7.18	7.17	3.38	3.43	28.3	28.30	52.5	52.15	3.89	3.87	33.2	33.185	53	55
M1	9/7/2025	Mid-Ebb	Cloudy	Low	18:24	2.4	M	1.20	1	0.074	316.373	7.07	7.07	2.83	2.87	28.0	28.05	39.8	38.85	2.95	2.88	22.38	22.36	54	48
M1	9/7/2025	Mid-Ebb	Cloudy	Low	18:24	2.4	M	1.20	2			7.07	7.07	2.9	2.87	28.1	28.05	37.9	38.85	2.81	2.88	22.34	22.36	42	48
M2	9/7/2025	Mid-Ebb	Cloudy	Low	17:55	2.2	M	1.10	1			7.09	7.09	2.77	2.74	28.0	28.00	41.2	40.80	3.05	3.02	23.21	23.31	42	46
M2	9/7/2025	Mid-Ebb	Cloudy	Low	17:55	2.2	M	1.10	2	0.077	305.565	7.09	7.09	2.71	2.74	28.0	28.00	40.4	40.80	2.99	3.02	23.41	23.31	50	46
M3	9/7/2025	Mid-Ebb	Cloudy	Low	18:39	2	M	1.00	1			7.16	7.15	3.55	3.60	28.0	28.05	51.0	50.15	3.78	3.72	35.41	35.535	67	60
M3	9/7/2025	Mid-Ebb	Cloudy	Low	18:39	2	M	1.00	2			7.14	7.15	3.64	3.60	28.1	28.05	49.3	50.15	3.65	3.72	35.66	35.535	53	60

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	63.6	68.9

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	11/7/2025	Mid-Flood	Sunny	Low	13:50	2.4	M	1.20	1	0.077	168.55	7.09	7.09	3.35	3.33	28.9	28.95	37.7	37.00	2.79	2.74	24.85	24.685	52	53
M1	11/7/2025	Mid-Flood	Sunny	Low	13:50	2.4	M	1.20	2			7.09	7.09	3.31	3.33	29	28.95	36.3	37.00	2.69	2.74	24.52	24.685	54	53
M2	11/7/2025	Mid-Flood	Sunny	Low	14:22	2.2	M	1.10	1			7.09	7.10	3.48	3.45	28.9	28.95	38.1	38.30	2.82	2.84	25.12	25.2	51	54
M2	11/7/2025	Mid-Flood	Sunny	Low	14:23	2.2	M	1.10	2	0.088	182.433	7.1	7.10	3.42	3.45	29	28.95	38.5	38.30	2.85	2.84	25.28	25.2	56	54
M3	11/7/2025	Mid-Flood	Sunny	Low	14:36	2	M	1.00	1	0.084	187.802	7.15	7.15	3.93	3.91	28.9	28.90	51.0	50.40	3.78	3.74	32.28	32.4	51	52
M3	11/7/2025	Mid-Flood	Sunny	Low	14:36	2	M	1.00	2			7.15	7.15	3.88	3.91	28.9	28.90	49.8	50.40	3.69	3.74	32.52	32.4	52	52
M1	11/7/2025	Mid-Ebb	Sunny	Low	8:53	2.2	M	1.10	1	0.064	328.033	7.06	7.07	3.25	3.24	28.7	28.75	38.7	39.25	2.87	2.91	26.94	26.935	55	53
M1	11/7/2025	Mid-Ebb	Sunny	Low	8:53	2.2	M	1.10	2			7.08	7.07	3.22	3.24	28.8	28.75	39.8	39.25	2.95	2.91	26.93	26.935	50	53
M2	11/7/2025	Mid-Ebb	Sunny	Low	8:24	2.1	M	1.05	1	0.058	334.058	7.09	7.10	3.38	3.38	28.7	28.70	40.6	40.35	3.01	2.99	26.28	26.365	52	51
M2	11/7/2025	Mid-Ebb	Sunny	Low	8:24	2.1	M	1.05	2			7.11	7.10	3.38	3.38	28.7	28.70	40.1	40.35	2.97	2.99	26.45	26.365	49	51
M3	11/7/2025	Mid-Ebb	Sunny	Low	9:13	2	M	1.00	1	0.069	311.944	7.14	7.15	3.60	3.62	28.7	28.70	53.3	52.45	3.95	3.89	33.92	33.905	49	58
M3	11/7/2025	Mid-Ebb	Sunny	Low	9:13	2	M	1.00	2			7.15	7.15	3.63	3.62	28.7	28.70	51.6	52.45	3.82	3.89	33.89	33.905	67	58

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	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	14/7/2025	Mid-Flood	Sunny	Low	15:44	2.5	M	1.25	1	0.084	177.282	7.05	7.06	3.55	3.52	29.2	29.20	40.4	40.50	2.99	3.00	14.08	14.205	16	18
M1	14/7/2025	Mid-Flood	Sunny	Low	15:44	2.5	M	1.25	2			7.06		3.49		29.2		40.6		3.01		14.33		20	
M2	14/7/2025	Mid-Flood	Sunny	Low	16:16	2.3	M	1.15	1			7.06	7.05	3.67	3.72	29.2	29.20	41.6	40.80	3.08	3.02	14.76	14.85	22	24
M2	14/7/2025	Mid-Flood	Sunny	Low	16:17	2.3	M	1.15	2	0.078	177.824	7.04		3.76		29.2		40.0		2.96		14.94		26	
M3	14/7/2025	Mid-Flood	Sunny	Low	16:25	2.1	M	1.05	1			7.12	7.12	3.99	4.02	29.2	29.20	51.6	52.35	3.82	3.88	19.68	19.51	17	19
M3	14/7/2025	Mid-Flood	Sunny	Low	16:25	2.1	M	1.05	2			7.11		4.04		29.2		53.1		3.93		19.34		20	
M1	14/7/2025	Mid-Ebb	Sunny	Low	9:03	2.3	M	1.15	1	0.064	335.715	7.03	7.03	3.37	3.34	29.1	29.10	39.8	39.50	2.95	2.93	15.14	15.015	19	20
M1	14/7/2025	Mid-Ebb	Sunny	Low	9:03	2.3	M	1.15	2			7.03		3.3		29.1		39.2		2.9		14.89		20	
M2	14/7/2025	Mid-Ebb	Sunny	Low	8:39	2.1	M	1.05	1			7.06	7.07	3.46	3.49	29.1	29.10	42.7	42.90	3.16	3.18	15.39	15.37	18	23
M2	14/7/2025	Mid-Ebb	Sunny	Low	8:39	2.1	M	1.05	2	0.072	303.685	7.07		3.51		29.1		43.1		3.19		15.35		27	
M3	14/7/2025	Mid-Ebb	Sunny	Low	9:15	1.9	M	0.95	1			7.14	7.14	4.08	4.11	29.1	29.10	55.1	55.85	4.08	4.14	20.83	20.93	14	20
M3	14/7/2025	Mid-Ebb	Sunny	Low	9:15	1.9	M	0.95	2			7.14		4.13		29.1		56.6		4.19		21.03		26	

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	16/7/2025	Mid-Flood	Sunny	Low	16:55	2.5	M	1.25	1	0.078	177.362	7.15	7.14	4.03	4.07	28.1	28.10	40.1	40.30	2.97	2.99	18.65	18.79	20	20
M1	16/7/2025	Mid-Flood	Sunny	Low	16:55	2.5	M	1.25	2			7.13	7.14	4.1	4.07	28.1	28.10	40.5	40.30	3	2.99	18.93	18.79	20	20
M2	16/7/2025	Mid-Flood	Sunny	Low	17:28	2.3	M	1.15	1			7.18	7.18	3.93	3.96	28.1	28.10	41.2	40.70	3.05	3.02	19.28	19.225	20	22
M2	16/7/2025	Mid-Flood	Sunny	Low	17:28	2.3	M	1.15	2	0.087	182.467	7.18	7.18	3.99	3.96	28.1	28.10	40.2	40.70	2.98	3.02	19.17	19.225	23	22
M3	16/7/2025	Mid-Flood	Sunny	Low	17:34	2	M	1.00	1			7.22	7.23	4.58	4.61	28.1	28.15	53.5	52.80	3.96	3.91	25.95	25.925	18	20
M3	16/7/2025	Mid-Flood	Sunny	Low	17:34	2	M	1.00	2			7.24	7.23	4.63	4.61	28.2	28.15	52.1	52.80	3.86	3.91	25.9	25.925	22	20
M1	16/7/2025	Mid-Ebb	Sunny	Low	10:51	2.4	M	1.20	1	0.079	322.996	7.16	7.17	3.82	3.85	28.4	28.40	37.4	36.45	2.77	2.70	19.21	19	25	26
M1	16/7/2025	Mid-Ebb	Sunny	Low	10:51	2.4	M	1.20	2			7.17	7.17	3.87	3.85	28.4	28.40	35.5	36.45	2.63	2.70	18.79	19	27	26
M2	16/7/2025	Mid-Ebb	Sunny	Low	10:26	2.1	M	1.05	1			7.15	7.16	3.73	3.78	28.4	28.45	37.7	38.35	2.79	2.84	19.58	19.5	25	26
M2	16/7/2025	Mid-Ebb	Sunny	Low	10:26	2.1	M	1.05	2	0.08	330.004	7.17	7.16	3.82	3.78	28.5	28.45	39.0	38.35	2.89	2.84	19.42	19.5	26	26
M3	16/7/2025	Mid-Ebb	Sunny	Low	11:06	2	M	1.00	1			7.22	7.21	4.67	4.71	28.4	28.45	51.8	52.35	3.84	3.88	30.98	30.85	25	26
M3	16/7/2025	Mid-Ebb	Sunny	Low	11:06	2	M	1.00	2			7.2	7.21	4.75	4.71	28.5	28.45	52.9	52.35	3.92	3.88	30.72	30.85	26	26

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	18/7/2025	Mid-Flood	Cloudy	Low	15:40	2.6	M	1.30	1	0.091	162.219	7.12	7.11	3.11	3.15	28.2	28.25	38.2	37.60	2.83	2.79	22.55	22.435	23	26
M1	18/7/2025	Mid-Flood	Cloudy	Low	15:40	2.6	M	1.30	2			7.1	7.11	3.18	3.15	28.3	28.25	37.0	37.60	2.74	2.79	22.32	22.435	28	26
M2	18/7/2025	Mid-Flood	Cloudy	Low	16:08	2.4	M	1.20	1	0.091	171.932	7.12	7.11	2.96	3.01	28.2	28.25	37.8	37.15	2.8	2.75	23.51	23.55	32	33
M2	18/7/2025	Mid-Flood	Cloudy	Low	16:08	2.4	M	1.20	2			7.1	7.11	3.05	3.01	28.3	28.25	36.5	37.15	2.7	2.75	23.59	23.55	33	33
M3	18/7/2025	Mid-Flood	Cloudy	Low	16:22	2.2	M	1.10	1	0.086	162.852	7.15	7.15	3.75	3.72	28.2	28.25	51.3	51.15	3.8	3.79	31.66	31.445	29	29
M3	18/7/2025	Mid-Flood	Cloudy	Low	16:22	2.2	M	1.10	2			7.14	7.15	3.69	3.72	28.3	28.25	51.0	51.15	3.78	3.79	31.23	31.445	29	29
M1	18/7/2025	Mid-Ebb	Cloudy	Low	12:49	2.4	M	1.20	1	0.069	320.728	7.08	7.09	3.35	3.36	28.6	28.65	39.7	39.35	2.94	2.92	23.35	23.53	29	32
M1	18/7/2025	Mid-Ebb	Cloudy	Low	12:49	2.4	M	1.20	2			7.1	7.09	3.37	3.36	28.7	28.65	39.0	39.35	2.89	2.92	23.71	23.53	34	32
M2	18/7/2025	Mid-Ebb	Cloudy	Low	12:23	2.3	M	1.15	1	0.061	317.427	7.09	7.09	3.28	3.24	28.6	28.60	38.9	38.15	2.88	2.83	22.46	22.57	32	31
M2	18/7/2025	Mid-Ebb	Cloudy	Low	12:23	2.3	M	1.15	2			7.09	7.09	3.19	3.24	28.6	28.60	37.4	38.15	2.77	2.83	22.68	22.57	29	31
M3	18/7/2025	Mid-Ebb	Cloudy	Low	13:04	2.1	M	1.05	1	0.059	340.501	7.16	7.16	3.87	3.88	28.6	28.65	52.1	51.65	3.86	3.83	31.99	31.87	28	31
M3	18/7/2025	Mid-Ebb	Cloudy	Low	13:04	2.1	M	1.05	2			7.15	7.16	3.89	3.88	28.7	28.65	51.2	51.65	3.79	3.83	31.75	31.87	33	31

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	21/7/2025	Mid-Flood	Cloudy	Low	9:55	2.4	M	1.20	1	0.084	175.562	7.06	7.06	3.54	3.54	27.9	27.95	38.7	37.90	2.87	2.81	22.17	22.22	2.5	3
M1	21/7/2025	Mid-Flood	Cloudy	Low	9:55	2.4	M	1.20	2			7.06	7.06	3.54	3.54	28	27.95	37.1	37.90	2.75	2.81	22.27	22.22	2.5	3
M2	21/7/2025	Mid-Flood	Cloudy	Low	10:28	2.2	M	1.10	1	0.076	170.129	7.05	7.05	3.68	3.71	27.9	27.90	39.4	39.80	2.92	2.95	23.47	23.54	2.5	3
M2	21/7/2025	Mid-Flood	Cloudy	Low	10:29	2.2	M	1.10	2			7.04	7.05	3.74	3.71	27.9	27.90	40.2	39.80	2.98	2.95	23.61	23.54	2.5	3
M3	21/7/2025	Mid-Flood	Cloudy	Low	10:43	2	M	1.00	1	0.094	164.435	7.09	7.08	3.94	3.93	27.9	27.95	52.4	52.95	3.88	3.92	29.15	29.17	2.5	3
M3	21/7/2025	Mid-Flood	Cloudy	Low	10:43	2	M	1.00	2			7.07	7.08	3.92	3.93	28	27.95	53.5	52.95	3.96	3.92	29.19	29.17	2.5	3
M1	21/7/2025	Mid-Ebb	Cloudy	Low	18:08	2.2	M	1.10	1	0.08	325.784	7.05	7.04	3.23	3.24	27.7	27.75	39.4	40.00	2.92	2.97	21.06	21.065	2.5	3
M1	21/7/2025	Mid-Ebb	Cloudy	Low	18:08	2.2	M	1.10	2			7.03	7.04	3.25	3.24	27.8	27.75	40.6	40.00	3.01	2.97	21.07	21.065	2.5	3
M2	21/7/2025	Mid-Ebb	Cloudy	Low	17:39	2	M	1.00	1	0.06	311.933	7.06	7.05	3.49	3.52	27.7	27.70	41.2	40.90	3.05	3.03	23.32	23.16	2.5	3
M2	21/7/2025	Mid-Ebb	Cloudy	Low	17:39	2	M	1.00	2			7.04	7.05	3.55	3.52	27.7	27.70	40.6	40.90	3.01	3.03	23	23.16	2.5	3
M3	21/7/2025	Mid-Ebb	Cloudy	Low	18:22	1.8	M	0.90	1	0.072	323.26	7.11	7.12	4.11	4.15	27.7	27.75	53.1	53.55	3.93	3.97	30.95	30.99	2.5	3
M3	21/7/2025	Mid-Ebb	Cloudy	Low	18:22	1.8	M	0.90	2			7.13	7.12	4.19	4.15	27.8	27.75	54.0	53.55	4	3.97	31.03	30.99	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	23/7/2025	Mid-Flood	Cloudy	Low	12:02	2.4	M	1.20	1	0.081	173.117	7.18	7.18	3.05	3.03	28.4	28.45	37.4	37.05	2.77	2.75	25.86	25.87	56	54
M1	23/7/2025	Mid-Flood	Cloudy	Low	12:02	2.4	M	1.20	2			7.17	7.18	3.01	3.03	28.5	28.45	36.7	37.05	2.72	2.75	25.88	25.87	52	54
M2	23/7/2025	Mid-Flood	Cloudy	Low	12:36	2.2	M	1.10	1	0.074	163.263	7.17	7.18	3.21	3.19	28.4	28.40	36.7	35.75	2.72	2.65	24.59	24.58	50	53
M2	23/7/2025	Mid-Flood	Cloudy	Low	12:36	2.2	M	1.10	2			7.19	7.18	3.17	3.19	28.4	28.40	34.8	35.75	2.58	2.65	24.57	24.58	56	53
M3	23/7/2025	Mid-Flood	Cloudy	Low	12:50	2.1	M	1.05	1	0.08	164.221	7.22	7.21	3.93	3.93	28.4	28.40	50.4	50.45	3.73	3.74	32.14	32.17	45	53
M3	23/7/2025	Mid-Flood	Cloudy	Low	12:50	2.1	M	1.05	2			7.2	7.21	3.92	3.93	28.4	28.40	50.5	50.45	3.74	3.74	32.2	32.17	61	53
M1	23/7/2025	Mid-Ebb	Cloudy	Low	17:55	2.3	M	1.15	1	0.076	340.122	7.15	7.15	2.89	2.85	27.9	27.95	37.1	36.30	2.75	2.69	24.96	24.905	50	49
M1	23/7/2025	Mid-Ebb	Cloudy	Low	17:55	2.3	M	1.15	2			7.15	7.15	2.8	2.85	28.0	27.95	35.5	36.30	2.63	2.69	24.85	24.905	47	49
M2	23/7/2025	Mid-Ebb	Cloudy	Low	17:26	2.1	M	1.05	1	0.078	312.266	7.16	7.16	2.98	3.02	27.9	27.90	37.8	37.40	2.8	2.77	23.88	23.815	46	50
M2	23/7/2025	Mid-Ebb	Cloudy	Low	17:26	2.1	M	1.05	2			7.16	7.16	3.06	3.02	27.9	27.90	37.0	37.40	2.74	2.77	23.75	23.815	54	50
M3	23/7/2025	Mid-Ebb	Cloudy	Low	18:02	1.8	M	0.90	1	0.071	339.308	7.19	7.20	3.69	3.69	27.9	27.95	52.5	52.25	3.89	3.87	31.89	31.685	38	47
M3	23/7/2025	Mid-Ebb	Cloudy	Low	18:02	1.8	M	0.90	2			7.2	7.20	3.69	3.69	28.0	27.95	52.0	52.25	3.85	3.87	31.48	31.685	56	47

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	25/7/2025	Mid-Flood	Sunny	Low	13:44	2.4	M	1.20	1	0.078	181.159	7.05	7.05	2.98	2.99	28.1	28.15	38.9	39.30	2.88	2.91	22.24	22.07	86	94
M1	25/7/2025	Mid-Flood	Sunny	Low	13:44	2.4	M	1.20	2			7.04	7.05	3	2.99	28.2	28.15	39.7	39.30	2.94	2.91	21.9	22.07	102	94
M2	25/7/2025	Mid-Flood	Sunny	Low	14:25	2.2	M	1.10	1			7.07	7.06	3.17	3.18	28.1	28.15	39.8	40.20	2.95	2.98	23.49	23.35	114	107
M2	25/7/2025	Mid-Flood	Sunny	Low	14:25	2.2	M	1.10	2	0.083	180.952	7.05	7.06	3.18	3.18	28.2	28.15	40.6	40.20	3.01	3.01	23.21	23.35	99	107
M3	25/7/2025	Mid-Flood	Sunny	Low	14:32	2.1	M	1.05	1			7.16	7.16	3.86	3.89	28.1	28.15	51.7	52.25	3.83	3.87	31.93	31.835	70	85
M3	25/7/2025	Mid-Flood	Sunny	Low	14:32	2.1	M	1.05	2			7.15	7.16	3.91	3.89	28.2	28.15	52.8	52.25	3.91	3.87	31.74	31.835	100	85
M1	25/7/2025	Mid-Ebb	Sunny	Low	8:55	2.3	M	1.15	1	0.066	308.892	7.09	7.08	2.88	2.90	27.9	27.95	36.3	36.05	2.69	2.67	21.02	20.85	86	88
M1	25/7/2025	Mid-Ebb	Sunny	Low	8:55	2.3	M	1.15	2			7.07	7.08	2.91	2.90	28.0	27.95	35.8	36.05	2.65	2.67	20.68	20.85	90	88
M2	25/7/2025	Mid-Ebb	Sunny	Low	8:26	2.2	M	1.10	1			7.08	7.07	2.89	2.90	27.9	27.95	39.3	38.70	2.91	2.87	23.25	23.16	86	88
M2	25/7/2025	Mid-Ebb	Sunny	Low	8:26	2.2	M	1.10	2	0.06	328.138	7.06	7.07	2.9	2.90	28.0	27.95	38.1	38.70	2.82	2.87	23.07	23.16	89	88
M3	25/7/2025	Mid-Ebb	Sunny	Low	9:08	2	M	1.00	1			7.18	7.18	3.79	3.77	27.9	27.90	53.6	53.80	3.97	3.99	30.95	31.07	74	88
M3	25/7/2025	Mid-Ebb	Sunny	Low	9:09	2	M	1.00	2			7.18	7.18	3.75	3.77	27.9	27.90	54.0	53.80	4	3.99	31.19	31.07	101	88

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	113	122
M3(Impact Station)	3.28	3.14	74	78	113	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	105	113.75

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	28/7/2025	Mid-Flood	Cloudy	Low	15:37	2.6	M	1.30	1	0.081	164.878	7.15	7.15	3.09	3.13	28.3	28.30	37.7	38.35	2.79	2.84	23.07	22.895	35	32
M1	28/7/2025	Mid-Flood	Cloudy	Low	15:37	2.6	M	1.30	2			7.14	7.15	3.16	3.13	28.3	28.30	39.0	38.35	2.89	2.84	22.72	22.895	29	32
M2	28/7/2025	Mid-Flood	Cloudy	Low	16:02	2.4	M	1.20	1	0.075	184.286	7.14	7.15	2.93	2.96	28.3	28.35	36.2	35.65	2.68	2.64	23.40	23.2	36	37
M2	28/7/2025	Mid-Flood	Cloudy	Low	16:02	2.4	M	1.20	2			7.16	7.15	2.99	2.96	28.4	28.35	35.1	35.65	2.6	2.64	23	23.2	37	37
M3	28/7/2025	Mid-Flood	Cloudy	Low	16:18	2.1	M	1.05	1	0.081	172.096	7.19	7.19	3.53	3.50	28.3	28.35	49.7	48.75	3.68	3.61	29.94	30.005	30	31
M3	28/7/2025	Mid-Flood	Cloudy	Low	16:18	2.1	M	1.05	2			7.19	7.19	3.47	3.50	28.4	28.35	47.8	48.75	3.54	3.61	30.07	30.005	31	31
M1	28/7/2025	Mid-Ebb	Cloudy	Low	9:08	2.5	M	1.25	1	0.08	315.472	7.17	7.18	2.82	2.79	28.1	28.10	33.5	33.55	2.48	2.49	22.09	21.975	42	41
M1	28/7/2025	Mid-Ebb	Cloudy	Low	9:09	2.5	M	1.25	2			7.18	7.18	2.75	2.79	28.1	28.10	33.6	33.55	2.49	2.49	21.86	21.975	40	41
M2	28/7/2025	Mid-Ebb	Cloudy	Low	8:41	2.3	M	1.15	1	0.074	341.464	7.15	7.16	2.82	2.82	28.1	28.10	31.9	32.30	2.36	2.39	22.48	22.325	34	31
M2	28/7/2025	Mid-Ebb	Cloudy	Low	8:41	2.3	M	1.15	2			7.16	7.16	2.82	2.82	28.1	28.10	32.7	32.30	2.42	2.39	22.17	22.325	28	31
M3	28/7/2025	Mid-Ebb	Cloudy	Low	9:22	2.1	M	1.05	1	0.08	320.423	7.2	7.20	3.62	3.67	28.1	28.10	48.2	47.30	3.57	3.51	31.90	31.935	27	29
M3	28/7/2025	Mid-Ebb	Cloudy	Low	9:23	2.1	M	1.05	2			7.19	7.20	3.71	3.67	28.1	28.10	46.4	47.30	3.44	3.51	31.97	31.935	30	29

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

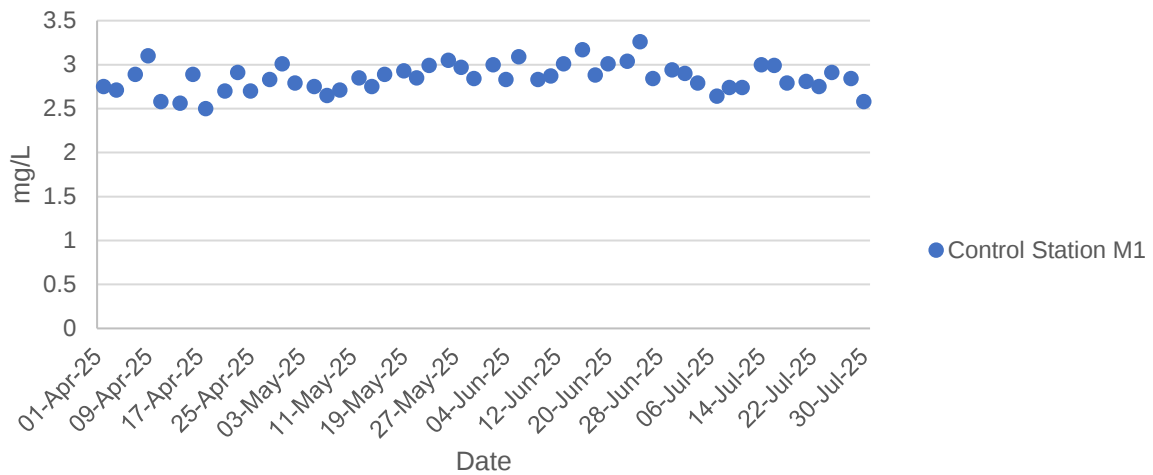
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	30/7/2025	Mid-Flood	Cloudy	Low	16:31	2.6	M	1.30	1	0.073	179.652	7.11	7.11	3.29	3.29	28.1	28.10	35.4	34.85	2.62	2.58	25.69	25.73	11	16
M1	30/7/2025	Mid-Flood	Cloudy	Low	16:31	2.6	M	1.30	2			7.1	7.11	3.28	3.29	28.1	28.10	34.3	34.85	2.54	2.58	25.77	25.73	20	16
M2	30/7/2025	Mid-Flood	Cloudy	Low	16:58	2.4	M	1.20	1	0.084	182.824	7.08	7.08	3.32	3.34	28.1	28.10	33.9	33.55	2.51	2.49	26.11	26.085	20	19
M2	30/7/2025	Mid-Flood	Cloudy	Low	16:58	2.4	M	1.20	2			7.07	7.08	3.35	3.34	28.1	28.10	33.2	33.55	2.46	2.49	26.06	26.085	17	19
M3	30/7/2025	Mid-Flood	Cloudy	Low	17:05	2.1	M	1.05	1	0.078	168.307	7.2	7.21	3.68	3.67	28.1	28.15	48.3	48.40	3.58	3.59	31.68	31.55	23	23
M3	30/7/2025	Mid-Flood	Cloudy	Low	17:05	2.1	M	1.05	2			7.21	7.21	3.66	3.67	28.2	28.15	48.5	48.40	3.59	3.59	31.42	31.55	22	23
M1	30/7/2025	Mid-Ebb	Cloudy	Low	10:42	2.5	M	1.25	1	0.07	318.194	7.12	7.11	2.93	2.93	28.4	28.40	33.5	33.95	2.48	2.52	25.11	25.14	18	19
M1	30/7/2025	Mid-Ebb	Cloudy	Low	10:42	2.5	M	1.25	2			7.1	7.11	2.93	2.93	28.4	28.40	34.4	33.95	2.55	2.52	25.17	25.14	19	19
M2	30/7/2025	Mid-Ebb	Cloudy	Low	10:06	2.3	M	1.15	1	0.073	328.152	7.09	7.09	3.11	3.08	28.4	28.45	34.6	35.30	2.56	2.62	24.48	24.26	19	20
M2	30/7/2025	Mid-Ebb	Cloudy	Low	10:06	2.3	M	1.15	2			7.08	7.09	3.04	3.08	28.5	28.45	36.0	35.30	2.67	2.62	24.04	24.26	21	20
M3	30/7/2025	Mid-Ebb	Cloudy	Low	10:55	2.1	M	1.05	1	0.072	305.189	7.19	7.20	3.81	3.83	28.4	28.40	49.3	48.50	3.65	3.59	31.85	31.68	21	23
M3	30/7/2025	Mid-Ebb	Cloudy	Low	10:55	2.1	M	1.05	2			7.21	7.20	3.85	3.83	28.4	28.40	47.7	48.50	3.53	3.59	31.51	31.68	24	23

Remark

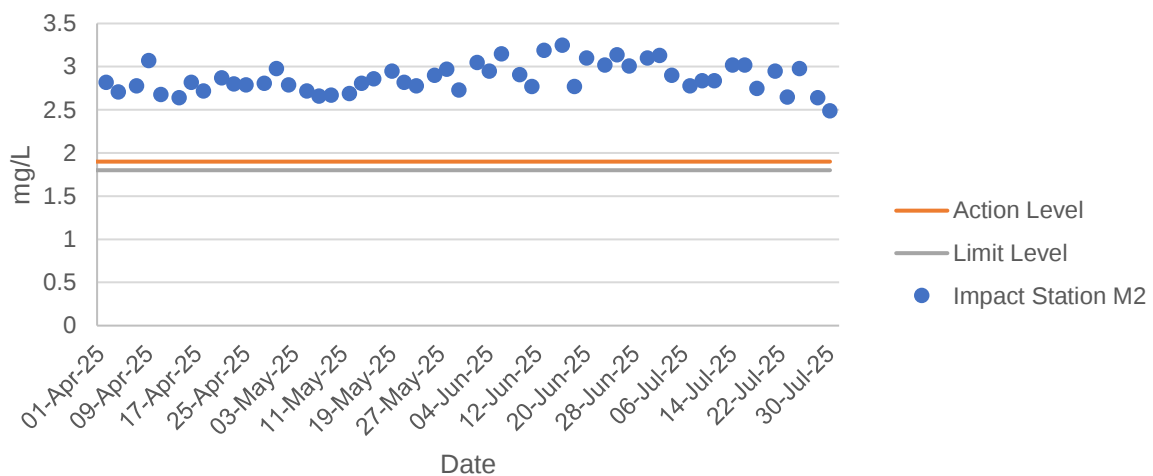
1. Orange and Bold: Action Level Exceedance (For Impact Station Only)
2. Red and Bold: Limit Level Exceedance (For Impact Station Only)
3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day.
4. Limit Level for Turbidity: 99%-ile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

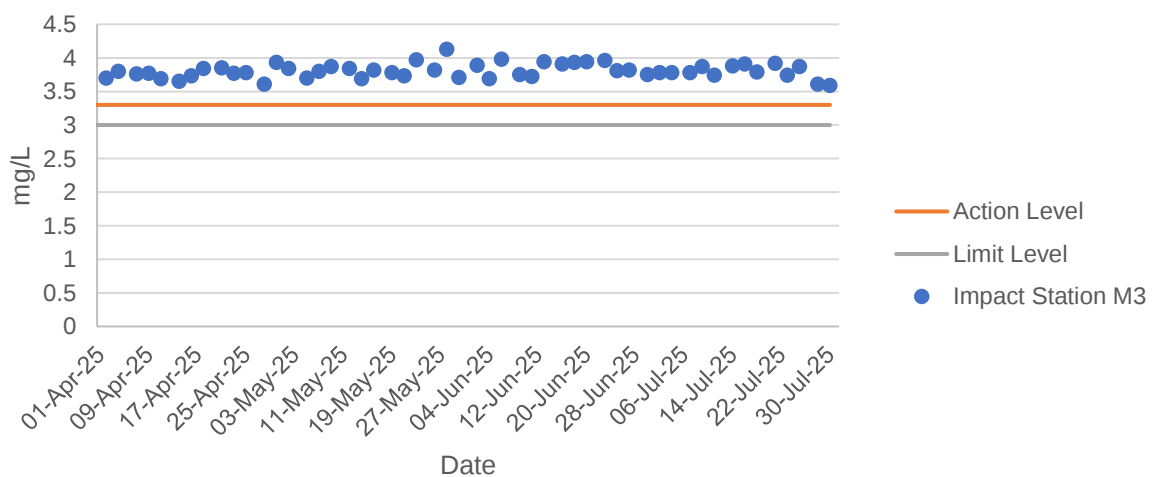
Dissolved Oxygen at Mid-Flood Tide



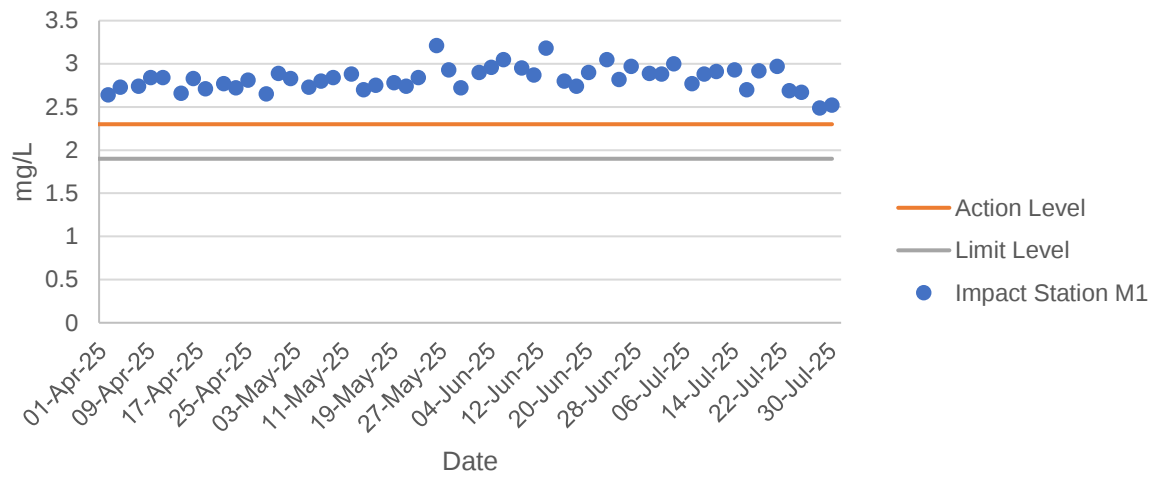
Dissolved Oxygen at Mid-Flood Tide



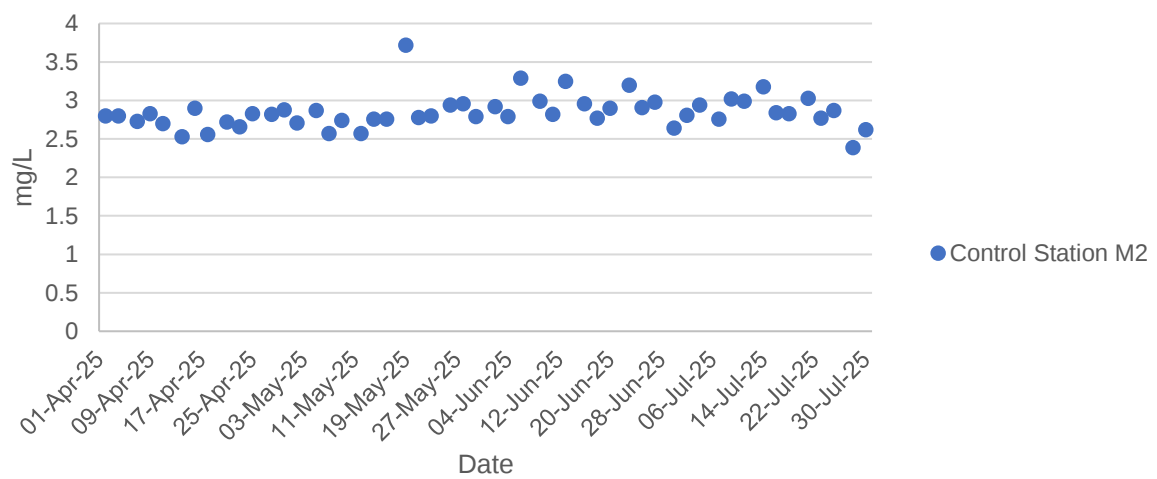
Dissolved Oxygen at Mid-Flood Tide



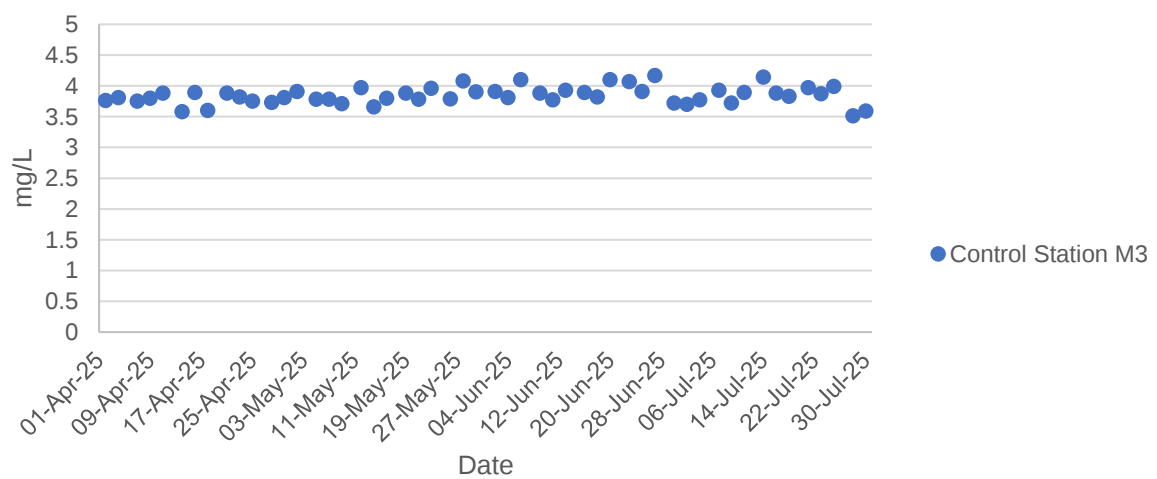
Dissolved Oxygen at Mid-Ebb Tide

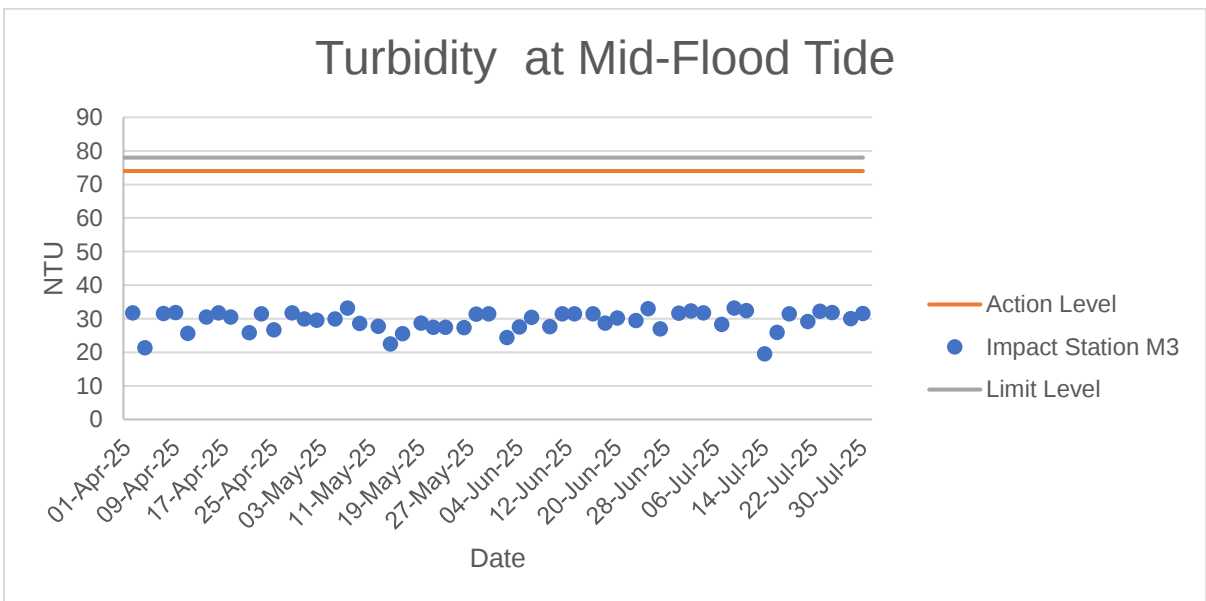
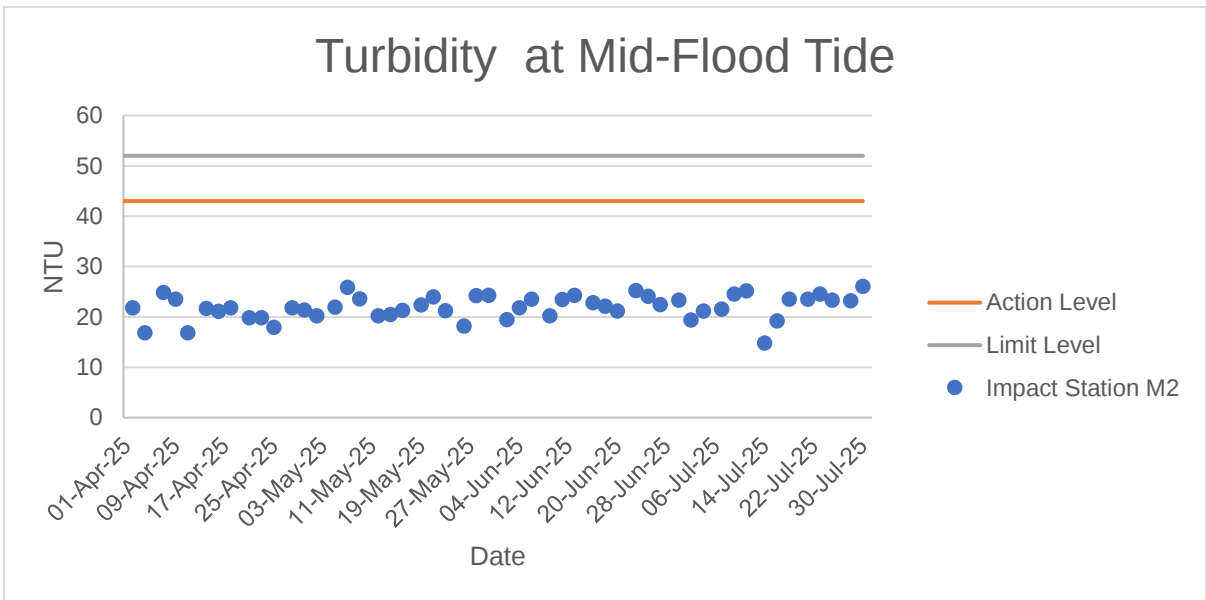
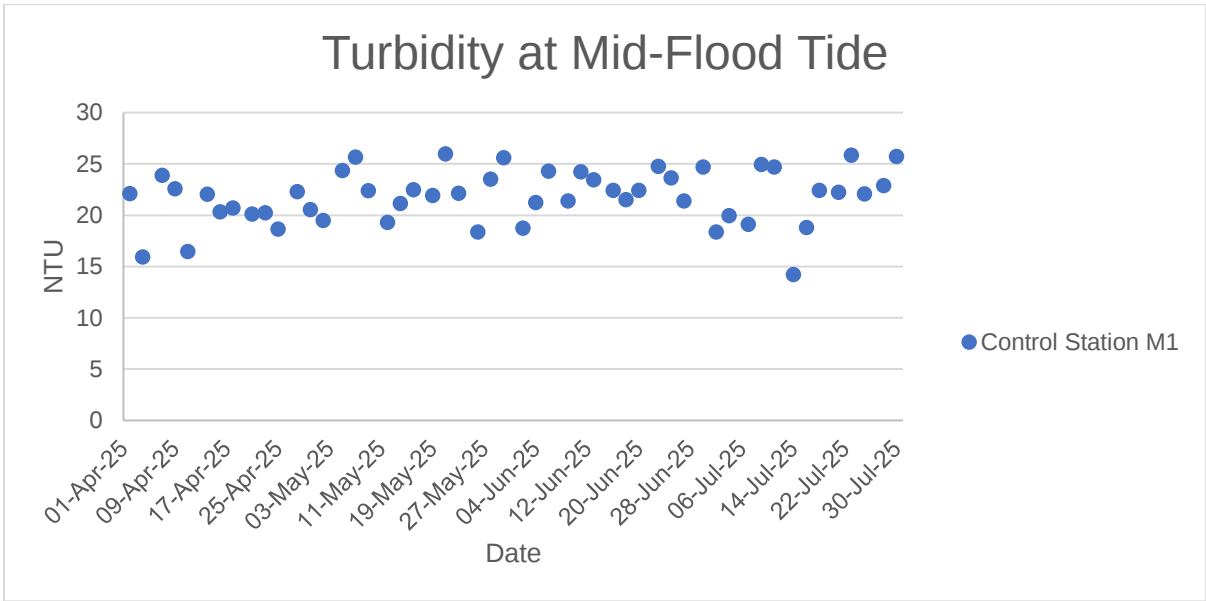


Dissolved Oxygen at Mid-Ebb Tide

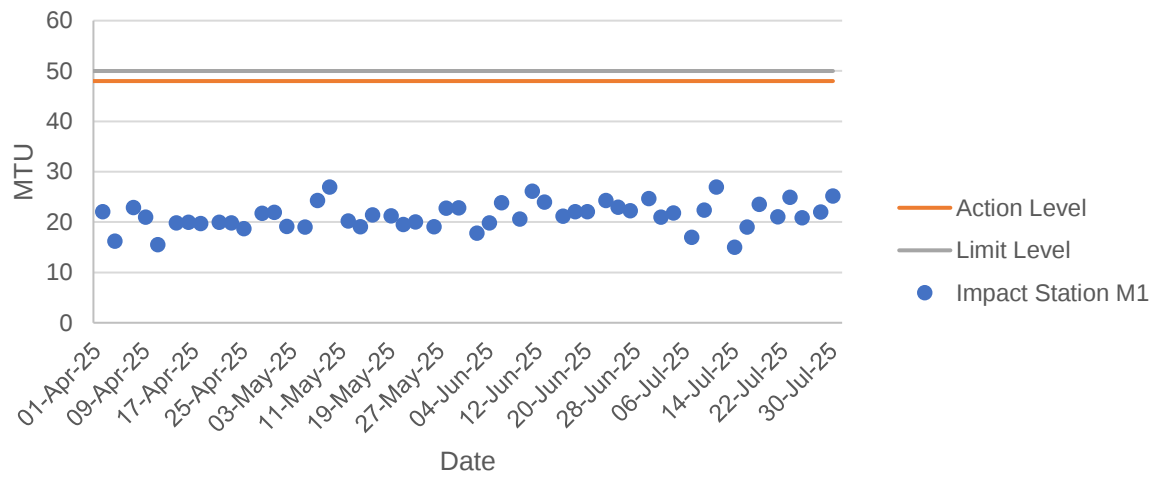


Dissolved Oxygen at Mid-Ebb Tide

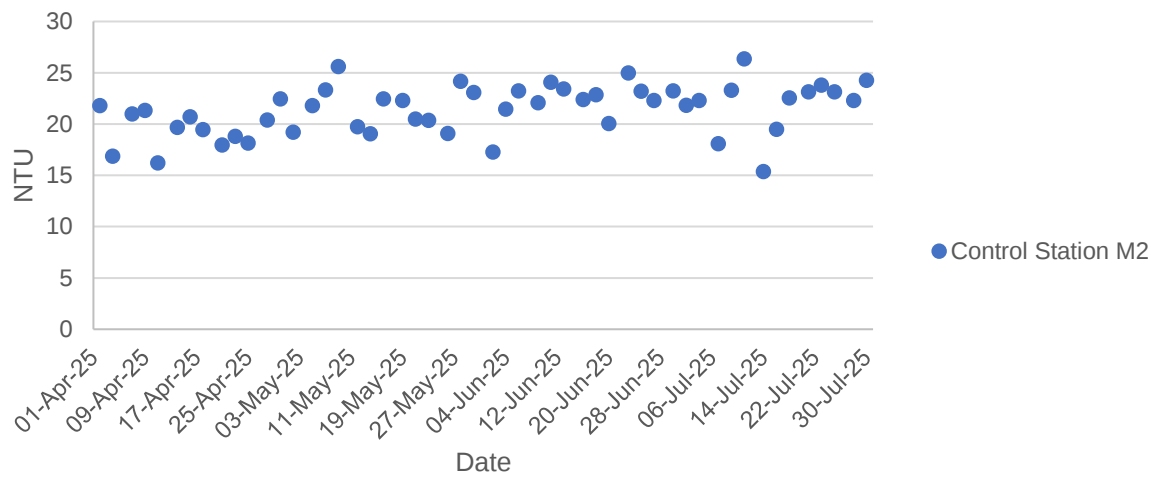




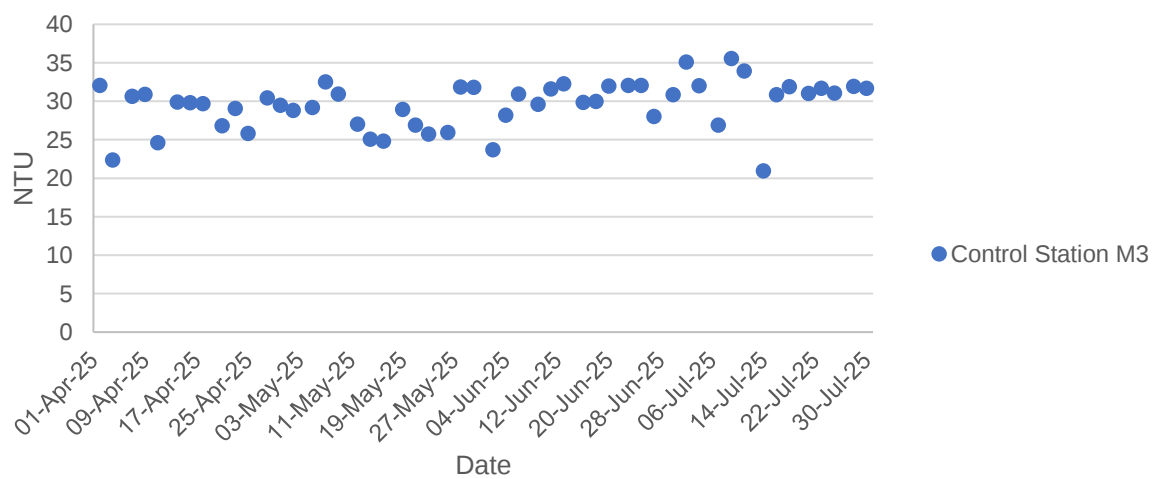
Turbidity at Mid-Ebb Tide



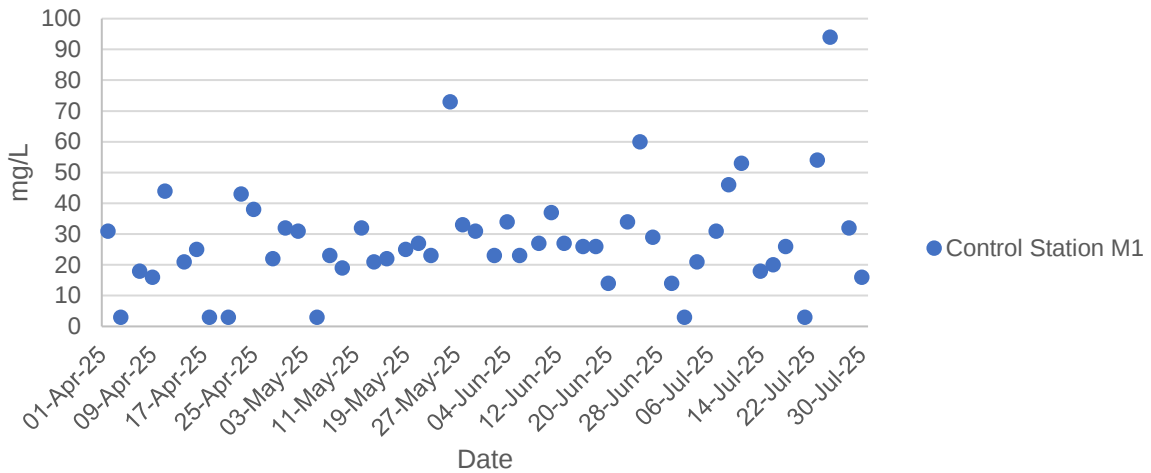
Turbidity at Mid-Ebb Tide



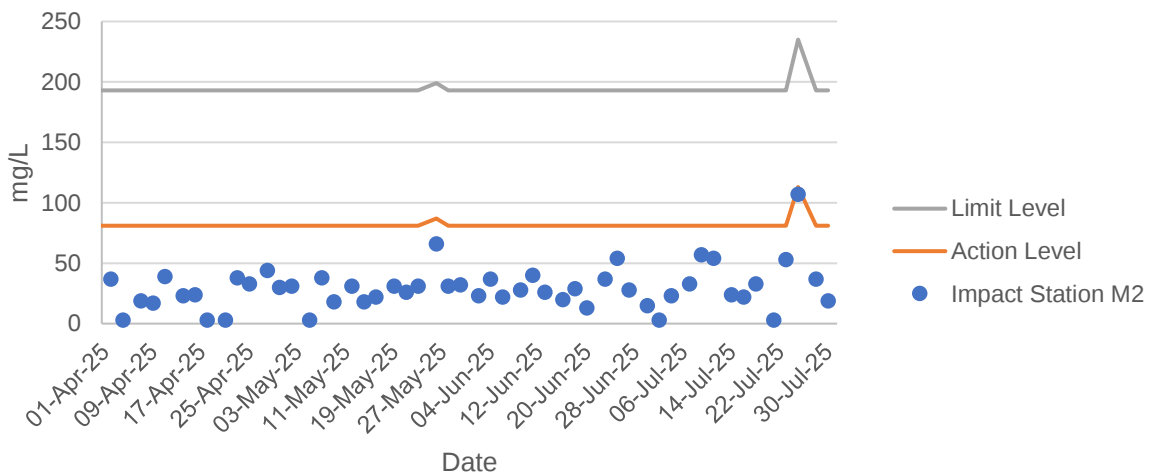
Turbidity at Mid-Ebb Tide



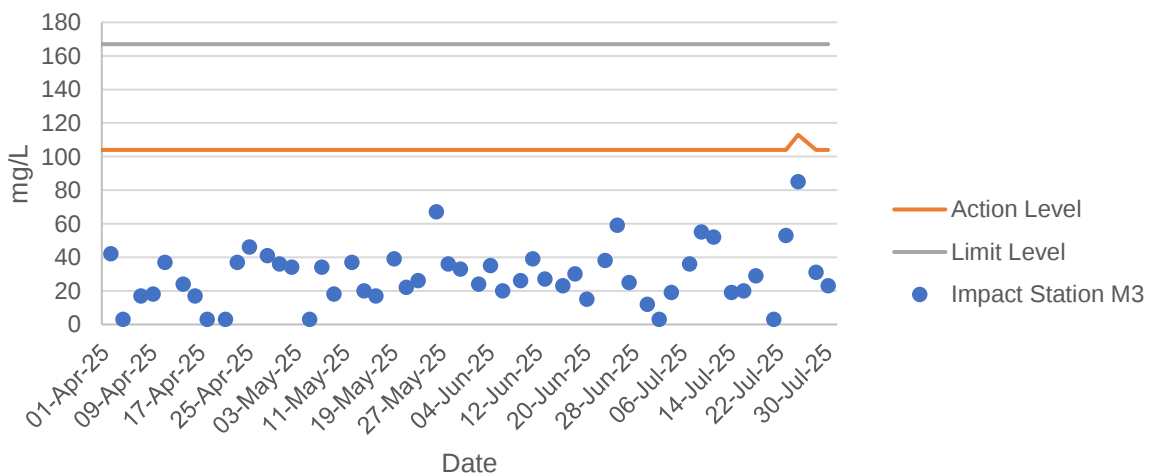
Total Suspended Solids at Mid-Flood Tide



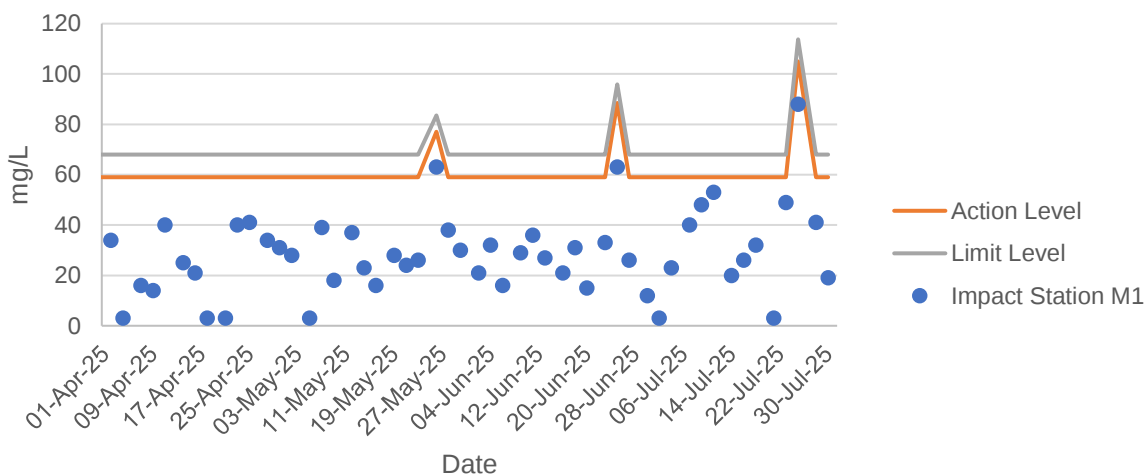
Total Suspended Solids at Mid-Flood Tide



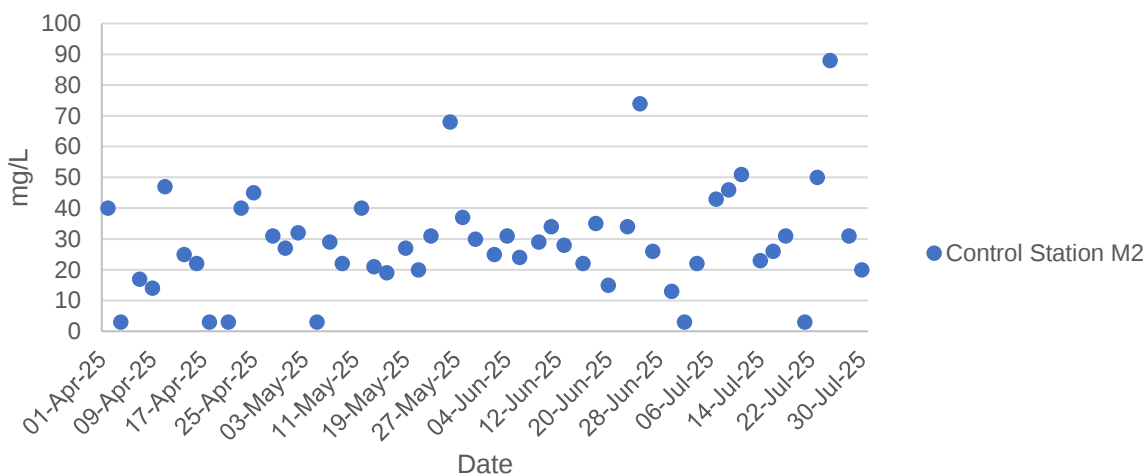
Total Suspended Solids at Mid-Flood Tide



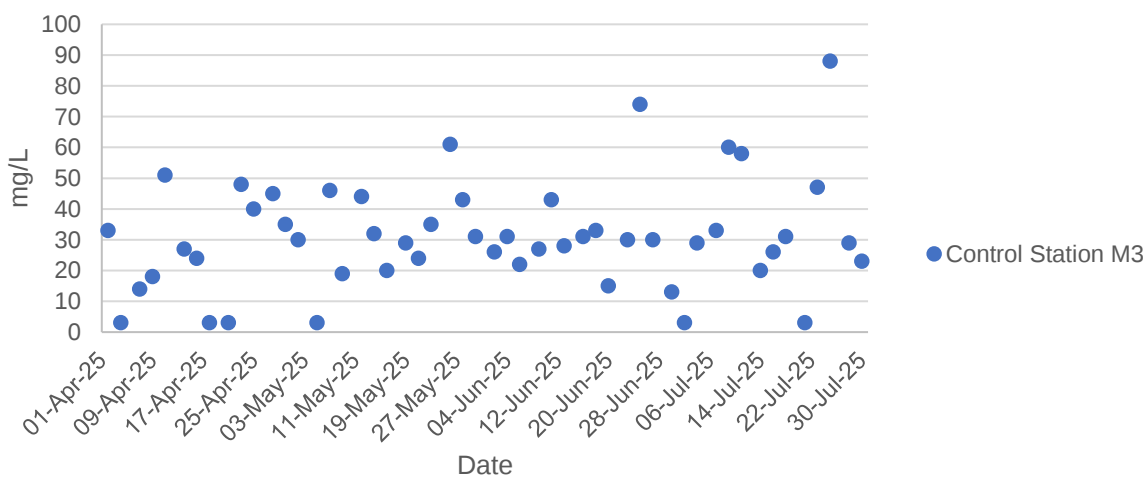
Total Suspended Solids at Mid-Ebb Tide



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 (14 & 16 July 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
16/07/2025	Daytime	Wet	FLW	Point Count	FLW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	FLW	Point Count	FLW1	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	FLW	Point Count	FLW1	Black-winged stilt	<i>Himantopus himantopus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	FLW	Point Count	FLW1	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
16/07/2025	Daytime	Wet	FLW	Point Count	FLW1	Common Greenshank	<i>Tringa nebularia</i>	1	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	FLW	Point Count	FLW1	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	FLW	Point Count	FLW2	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	FLW	Point Count	FLW2	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW3	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW3	Barn Swallow	<i>Hirundo rustica</i>	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW3	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW3	Crested Myna	<i>Acridotheres cristatellus</i>	2	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW4	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	FLW	Point Count	FLW4	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	FLW	Point Count	FLW4	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW4	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
16/07/2025	Daytime	Wet	FLW	Point Count	FLW4	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW4	Barn Swallow	<i>Hirundo rustica</i>	4	Abundant	PM,SV	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW4	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW4	White-shouldered Starling	<i>Sturnia sinensis</i>	3	Common	M,W,Su	(LC)	-	-	-	LC	Y	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW5	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	FLW	Point Count	FLW5	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
16/07/2025	Daytime	Wet	FLW	Point Count	FLW5	Black-winged stilt	<i>Himantopus himantopus</i>	6	Common	PM	RC	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (14 & 16 July 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
16/07/2025	Daytime	Wet	FLW	Point Count	FLW5	Little Ringed Plover	<i>Charadrius dubius</i>	14	Common	WV,PM	(LC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	FLW	Point Count	FLW5	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW5	Black Drongo	<i>Dicrurus macrocerus</i>	2	Common	SV	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW5	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW5	Barn Swallow	<i>Hirundo rustica</i>	3	Abundant	PM,SV	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW5	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW5	Crested Myna	<i>Acridotheres cristatellus</i>	3	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW5	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW5	White-shouldered Starling	<i>Sturnia sinensis</i>	7	Common	M,W,Su	(LC)	-	-	-	LC	Y	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW5	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW6	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW6	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW6	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	FLW	Point Count	FLW6	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW6	Eurasian Tree Sparrow	<i>Passer montanus</i>	7	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW7	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	FLW	Point Count	FLW7	Spotted Dove	<i>Spilopelia chinensis</i>	6	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW7	Asian Koel	<i>Eudynamys scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW7	Azure-winged Magpie	<i>Cyanopica cyanus</i>	16	Introduced	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Point Count	FLW7	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	NSW	Point Count	NSW1	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	NSW	Point Count	NSW1	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
16/07/2025	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (14 & 16 July 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
16/07/2025	Daytime	Wet	NSW	Point Count	NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	NSW1	House Swift	<i>Apus nipalensis</i>	3	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	NSW1	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
16/07/2025	Daytime	Wet	NSW	Point Count	NSW1	Azure-winged Magpie	<i>Cyanopica cyanus</i>	7	Introduced	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	NSW1	Collared Crow	<i>Corvus torquatus</i>	1	Uncommon	R	LC	-	-	NT	VU	Y	Y
16/07/2025	Daytime	Wet	NSW	Point Count	NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	NSW1	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	NSW1	Barn Swallow	<i>Hirundo rustica</i>	3	Abundant	PM,SV	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	NSW1	Swinhoe's White-eye	<i>Zosterops simplex</i>	4	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	3	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Tree Sparrow	<i>Passer montanus</i>	8	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	7	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	3	Common	R	-	-	-	LC	LC	N	Y
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Greenshank	<i>Tringa nebularia</i>	1	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	6	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (14 & 16 July 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
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Little Egret	<i>Egretta garzetta</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Collared Crow	<i>Corvus torquatus</i>	1	Uncommon	R	LC	-	-	NT	VU	Y	Y
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Barn Swallow	<i>Hirundo rustica</i>	3	Abundant	PM,SV	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Black-collared Starling	<i>Gracupica nigricollis</i>	2	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Little Egret	<i>Egretta garzetta</i>	7	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Black-winged stilt	<i>Himantopus himantopus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Greenshank	<i>Tringa nebularia</i>	1	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Barn Swallow	<i>Hirundo rustica</i>	16	Abundant	PM,SV	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Black-collared Starling	<i>Gracupica nigricollis</i>	2	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Scaly-breasted Munia	<i>Lonchura punctulata</i>	2	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Transect	FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (14 & 16 July 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
16/07/2025	Daytime	Wet	FLW	Transect	FLW	Spotted Dove	<i>Spilopelia chinensis</i>	6	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Transect	FLW	Asian Koel	<i>Eudynamys scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Transect	FLW	House Swift	<i>Apus nipalensis</i>	15	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Transect	FLW	Black Drongo	<i>Dicrurus macrocercus</i>	1	Common	SV	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Transect	FLW	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Transect	FLW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	5	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Transect	FLW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Transect	FLW	Plain Prinia	<i>Prinia inornata</i>	4	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Transect	FLW	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Transect	FLW	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Transect	FLW	Swinhoe's White- eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Transect	FLW	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	2	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Transect	NSW	Spotted Dove	<i>Spilopelia chinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Transect	NSW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	3	Introduced	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Transect	NSW	Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>	1	Common	R	-	-	-	-	LC	N	N
16/07/2025	Daytime	Wet	NSW	Transect	NSW	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Transect	NSW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Transect	NSW	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Transect	NSW	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Transect	NSW	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Transect	NSW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	NSW	Transect	NSW	Scaly-breasted Munia	<i>Lonchura punctulata</i>	2	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Chinese Pond Heron	<i>Ardeola bacchus</i>	11	Common	R	PRC (RC)	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (14 & 16 July 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
16/07/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Little Egret	<i>Egretta garzetta</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
16/07/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Common Moorhen	<i>Gallinula chloropus</i>	1	Common	R	-	-	-	LC	LC	N	Y
16/07/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Black-winged stilt	<i>Himantopus himantopus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y
16/07/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Barn Swallow	<i>Hirundo rustica</i>	4	Abundant	PM,SV	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Swinhoe's White- eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Crested Myna	<i>Acridotheres cristatellus</i>	9	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
16/07/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
14/07/2025	Night-time	Wet	FLW	Point Count	FLW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
14/07/2025	Night-time	Wet	FLW	Point Count	FLW4	Savanna Nightjar	<i>Caprimulgus affinis</i>	1	Uncommon	R.PM	-	-	-	DD	-	N	N
14/07/2025	Night-time	Wet	NSW	Point Count	NSW1	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	1	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
14/07/2025	Night-time	Wet	NSW	Point Count	SP/NSW2	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	1	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
14/07/2025	Night-time	Wet	FLW	Transect	FLW	Savanna Nightjar	<i>Caprimulgus affinis</i>	2	Uncommon	R.PM	-	-	-	DD	-	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 (14 & 16 July 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Nycticorax nycticorax</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Ardeola bacchus</i>	25	0.0912	-2.3943	-0.2185	0.5230
<i>Ardea cinerea</i>	1	0.0036	-5.6131	-0.0205	0.1150
<i>Ardea alba</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Egretta garzetta</i>	16	0.0584	-2.8405	-0.1659	0.4712
<i>Milvus migrans</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Amaurornis phoenicurus</i>	8	0.0292	-3.5337	-0.1032	0.3646
<i>Himantopus himantopus</i>	10	0.0365	-3.3105	-0.1208	0.4000
<i>Charadrius dubius</i>	14	0.0511	-2.9741	-0.1520	0.4519
<i>Actitis hypoleucos</i>	1	0.0036	-5.6131	-0.0205	0.1150
<i>Tringa nebularia</i>	3	0.0109	-4.5145	-0.0494	0.2231
<i>Streptopelia decaocto</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Spilopelia chinensis</i>	14	0.0511	-2.9741	-0.1520	0.4519
<i>Centropus sinensis</i>	3	0.0109	-4.5145	-0.0494	0.2231
<i>Eudynamis scolopaceus</i>	1	0.0036	-5.6131	-0.0205	0.1150
<i>Caprimulgus affinis</i>	1	0.0036	-5.6131	-0.0205	0.1150
<i>Apus nipalensis</i>	3	0.0109	-4.5145	-0.0494	0.2231
<i>Halcyon smyrnensis</i>	1	0.0036	-5.6131	-0.0205	0.1150
<i>Alcedo atthis</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Lanius schach</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Dicrurus macrocercus</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Cyanopica cyanus</i>	23	0.0839	-2.4776	-0.2080	0.5153
<i>Corvus torquatus</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Pycnonotus jocosus</i>	5	0.0182	-4.0037	-0.0731	0.2925
<i>Pycnonotus sinensis</i>	14	0.0511	-2.9741	-0.1520	0.4519
<i>Hirundo rustica</i>	31	0.1131	-2.1791	-0.2465	0.5373
<i>Prinia flaviventris</i>	1	0.0036	-5.6131	-0.0205	0.1150
<i>Prinia inornata</i>	4	0.0146	-4.2268	-0.0617	0.2608
<i>Pterorhinus perspicillatus</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Zosterops simplex</i>	4	0.0146	-4.2268	-0.0617	0.2608
<i>Acridotheres cristatellus</i>	18	0.0657	-2.7228	-0.1789	0.4870
<i>Gracupica nigricollis</i>	19	0.0693	-2.6687	-0.1851	0.4939
<i>Sturnia sinensis</i>	10	0.0365	-3.3105	-0.1208	0.4000
<i>Copsychus saularis</i>	4	0.0146	-4.2268	-0.0617	0.2608
<i>Passer montanus</i>	15	0.0547	-2.9051	-0.1590	0.4620
<i>Lonchura punctulata</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Motacilla alba</i>	5	0.0182	-4.0037	-0.0731	0.2925
Total	274	1	-154.3751	-3.1241	10.5037
Richness	37				
SS	10.5037				
SQ	9.7598				
H	3.1241				
S ² H	0.0030				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (14 & 16 July 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Nycticorax nycticorax</i>	2	0.0220	-3.8177	-0.0839	0.3203
<i>Ardeola bacchus</i>	25	0.2747	-1.2920	-0.3549	0.4586
<i>Ardea cinerea</i>	1	0.0110	-4.5109	-0.0496	0.2236
<i>Ardea alba</i>	2	0.0220	-3.8177	-0.0839	0.3203
<i>Egretta garzetta</i>	16	0.1758	-1.7383	-0.3056	0.5313
<i>Milvus migrans</i>	2	0.0220	-3.8177	-0.0839	0.3203
<i>Himantopus himantopus</i>	10	0.1099	-2.2083	-0.2427	0.5359
<i>Charadrius dubius</i>	14	0.1538	-1.8718	-0.2880	0.5390
<i>Tringa nebularia</i>	3	0.0330	-3.4122	-0.1125	0.3838
<i>Centropus sinensis</i>	3	0.0330	-3.4122	-0.1125	0.3838
<i>Halcyon smyrnensis</i>	1	0.0110	-4.5109	-0.0496	0.2236
<i>Corvus torquatus</i>	2	0.0220	-3.8177	-0.0839	0.3203
<i>Sturnia sinensis</i>	10	0.1099	-2.2083	-0.2427	0.5359
Total	91	1	-40.4357	-2.0936	5.0968
Richness	13				
SS	5.0968				
SQ	4.3833				
H	2.0936				
S ² H	0.00857				

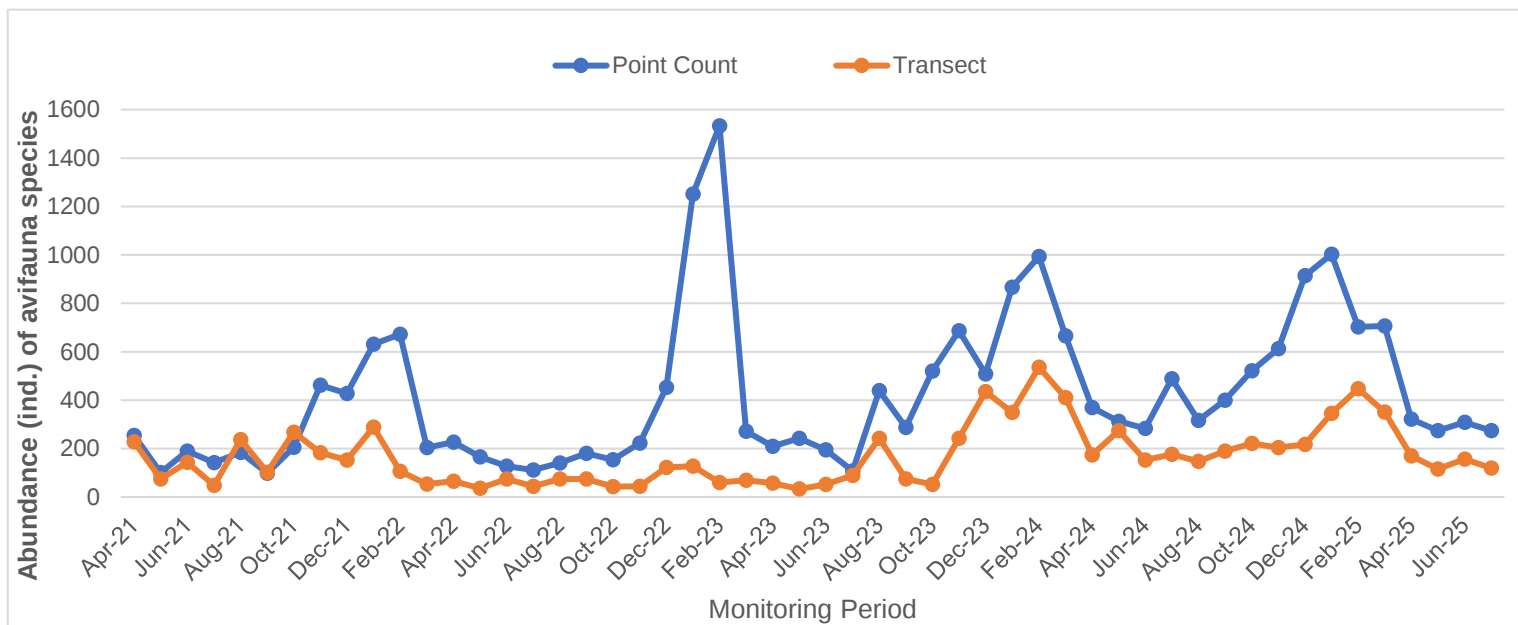
Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method)
in All Habitats (14 & 16 July 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Ardeola bacchus</i>	12	0.1008	-2.2942	-0.2313	0.5308
<i>Ardea cinerea</i>	1	0.0084	-4.7791	-0.0402	0.1919
<i>Ardea alba</i>	2	0.0168	-4.0860	-0.0687	0.2806
<i>Egretta garzetta</i>	3	0.0252	-3.6805	-0.0928	0.3415
<i>Amaurornis phoenicurus</i>	2	0.0168	-4.0860	-0.0687	0.2806
<i>Gallinula chloropus</i>	1	0.0084	-4.7791	-0.0402	0.1919
<i>Himantopus himantopus</i>	4	0.0336	-3.3928	-0.1140	0.3869
<i>Spilopelia chinensis</i>	10	0.0840	-2.4765	-0.2081	0.5154
<i>Eudynamis scolopaceus</i>	1	0.0084	-4.7791	-0.0402	0.1919
<i>Caprimulgus affinis</i>	2	0.0168	-4.0860	-0.0687	0.2806
<i>Apus nipalensis</i>	15	0.1261	-2.0711	-0.2611	0.5407
<i>Dicrurus macrocercus</i>	1	0.0084	-4.7791	-0.0402	0.1919
<i>Cyanopica cyanus</i>	3	0.0252	-3.6805	-0.0928	0.3415
<i>Urocissa erythroryncha</i>	1	0.0084	-4.7791	-0.0402	0.1919
<i>Parus minor</i>	4	0.0336	-3.3928	-0.1140	0.3869
<i>Pycnonotus sinensis</i>	8	0.0672	-2.6997	-0.1815	0.4900
<i>Hirundo rustica</i>	4	0.0336	-3.3928	-0.1140	0.3869
<i>Prinia flaviventris</i>	1	0.0084	-4.7791	-0.0402	0.1919
<i>Prinia inornata</i>	4	0.0336	-3.3928	-0.1140	0.3869
<i>Orthotomus sutorius</i>	2	0.0168	-4.0860	-0.0687	0.2806
<i>Pterorhinus perspicillatus</i>	3	0.0252	-3.6805	-0.0928	0.3415
<i>Zosterops simplex</i>	4	0.0336	-3.3928	-0.1140	0.3869
<i>Acridotheres cristatellus</i>	17	0.1429	-1.9459	-0.2780	0.5409
<i>Gracupica nigricollis</i>	10	0.0840	-2.4765	-0.2081	0.5154
<i>Copsychus saularis</i>	2	0.0168	-4.0860	-0.0687	0.2806
<i>Lonchura punctulata</i>	2	0.0168	-4.0860	-0.0687	0.2806
Total	119	1	-95.1602	-2.8697	8.9275
Richness	26				
SS	8.9275				
SQ	8.2351				
H	2.8697				
S ² H	0.006701				

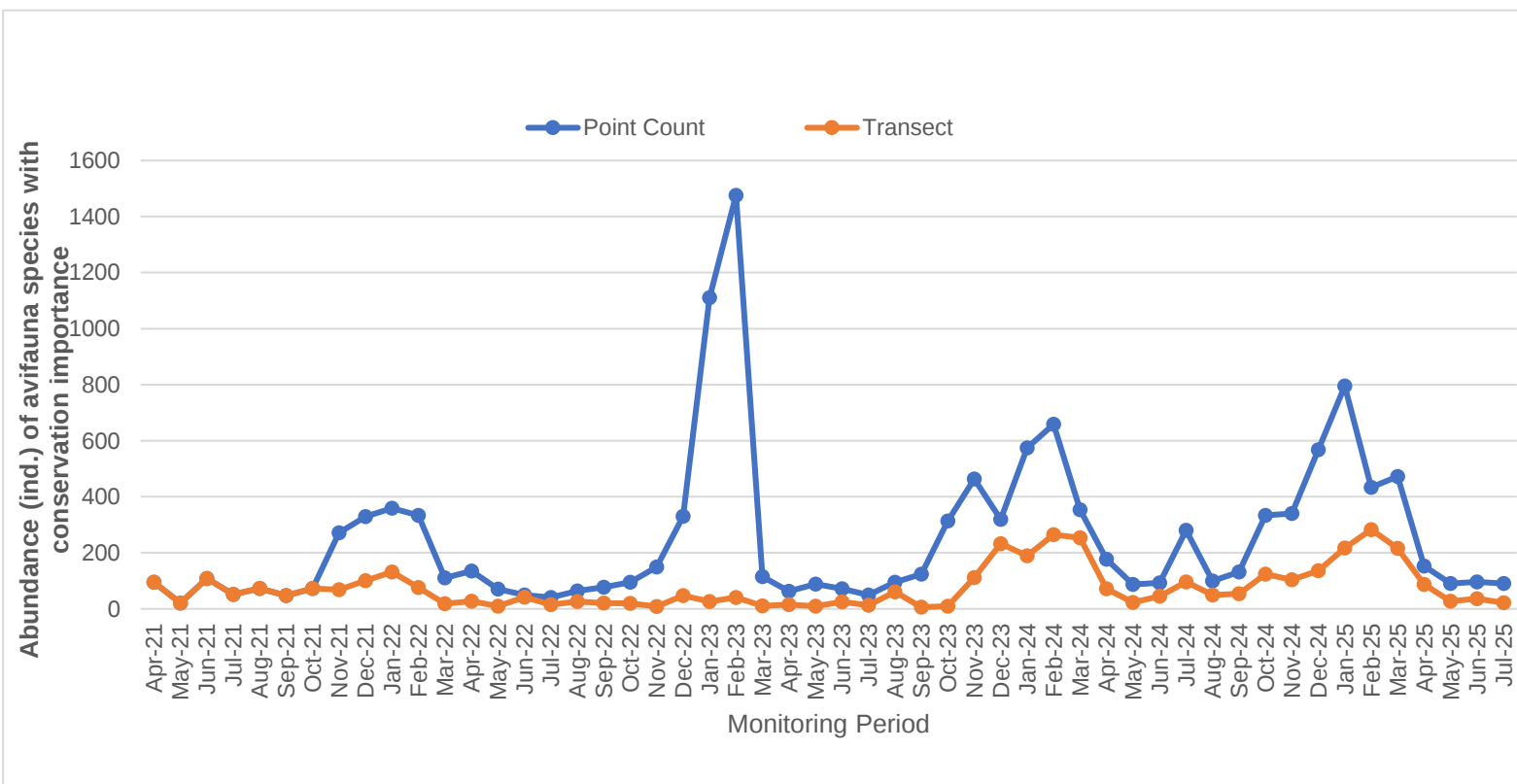
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (14 & 16 June 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Ardeola bacchus</i>	12	0.5455	-0.6061	-0.3306	0.2004
<i>Ardea cinerea</i>	1	0.0455	-3.0910	-0.1405	0.4343
<i>Ardea alba</i>	2	0.0909	-2.3979	-0.2180	0.5227
<i>Egretta garzetta</i>	3	0.1364	-1.9924	-0.2717	0.5413
<i>Himantopus himantopus</i>	4	0.1818	-1.7047	-0.3100	0.5284
Total	22	1	-9.7923	-1.2708	2.2271
Richness	5				
SS	2.2271				
SQ	1.6148				
H	1.2708				
S ² H	0.03196				

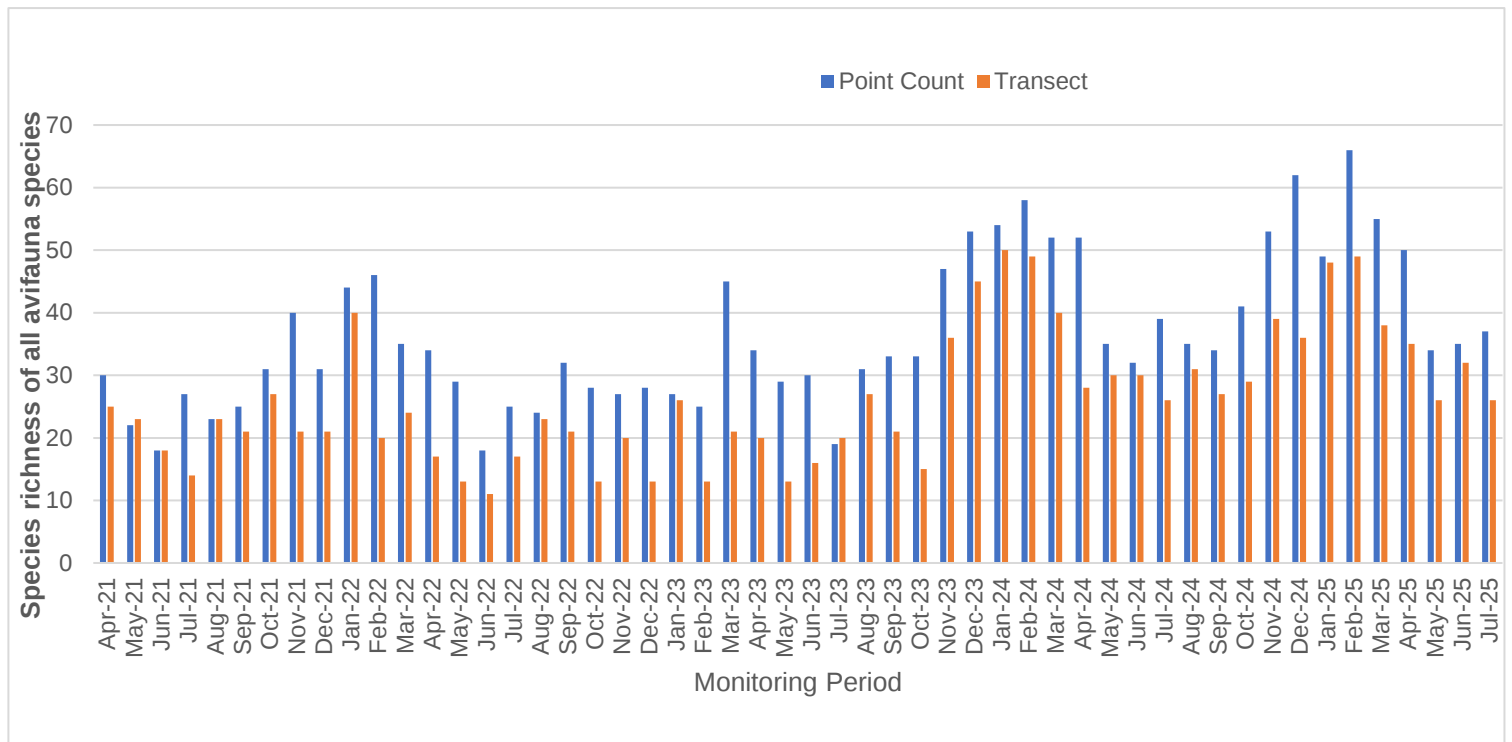
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



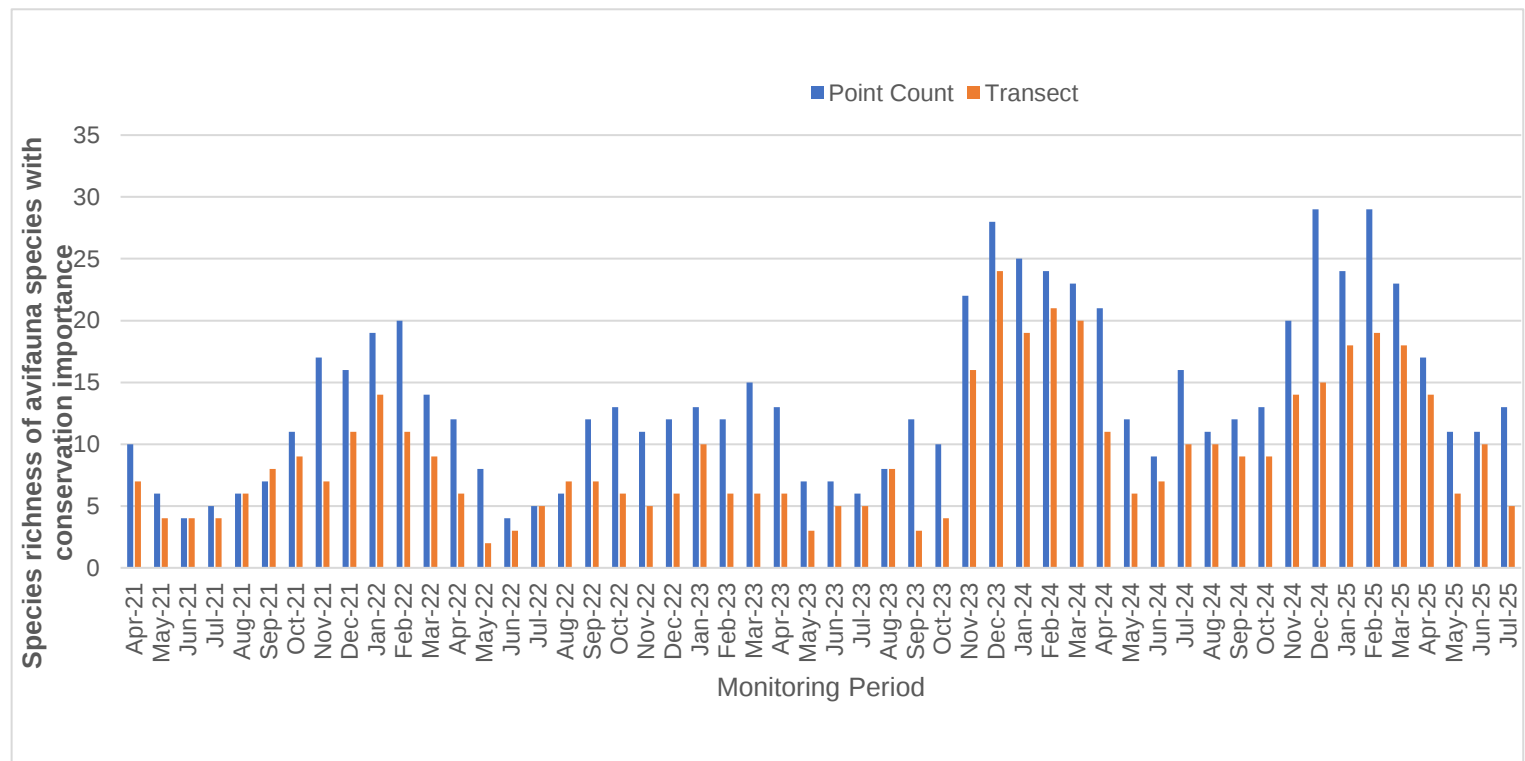
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



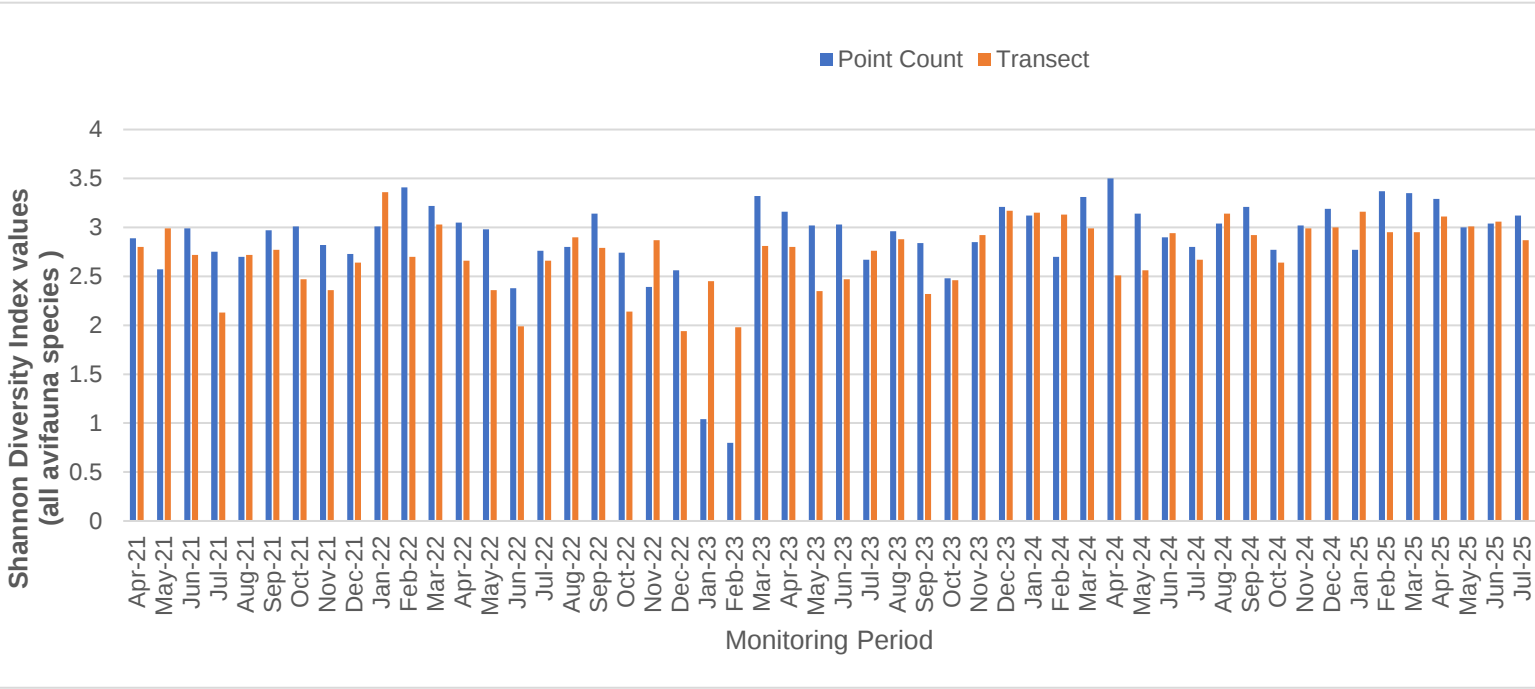
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



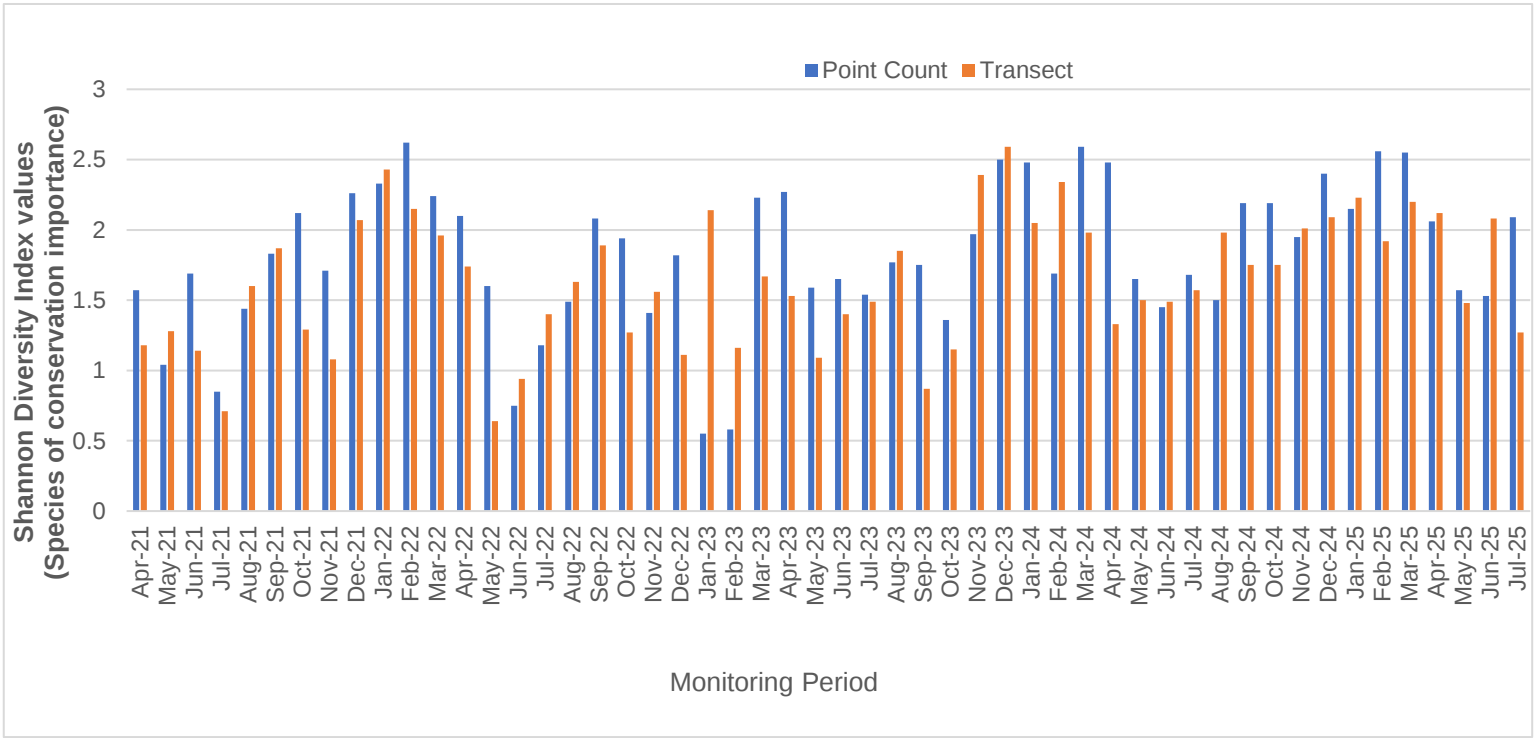
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



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	July 2017	July 2025
Total	165	274
Richness	26	37
H	2.7038	3.1241
S ² H	0.006600	0.002955
t	4.2992	
df	308.5724	
Crit	1.9677	
p	2.30E-05	
CI	0.1625	0.1087

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

Months	July 2017	July 2025
Total	36	119
Richness	18	26
H	2.5993	2.8697
S ² H	0.02415	0.006701
t	1.5396	
df	57.4117	
Crit	2.0025	
p	1.29E-01	
CI	0.3108	0.1637

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

Months	July 2017	July 2025
Total	80	91
Richness	5	13
H	1.3642	2.0936
S ² H	0.004500	0.008566
t	6.3812	
df	161.1386	
Crit	1.9748	
p	1.79E-09	
CI	0.1342	0.1851

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

Months	July 2017	July 2025
Total	8	22
Richness	3	5
H	0.9003	1.2708
S ² H	0.05920	0.03196
t	1.2271	
df	17.1529	
Crit	2.1098	
p	2.37E-01	
CI	0.4866	0.3576