

Air Quality Monitoring Results

1-hour TSP Monitoring Result for**Contract No. SPW 02/2023****Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1****AM1 - Topfine Machinery (China) Co. Ltd.**

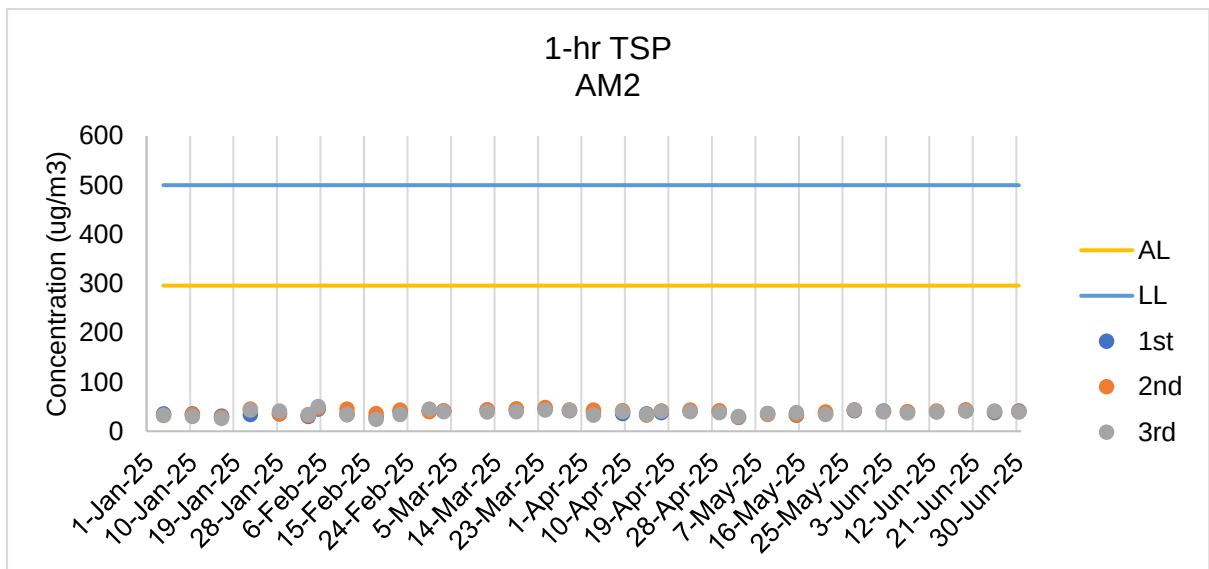
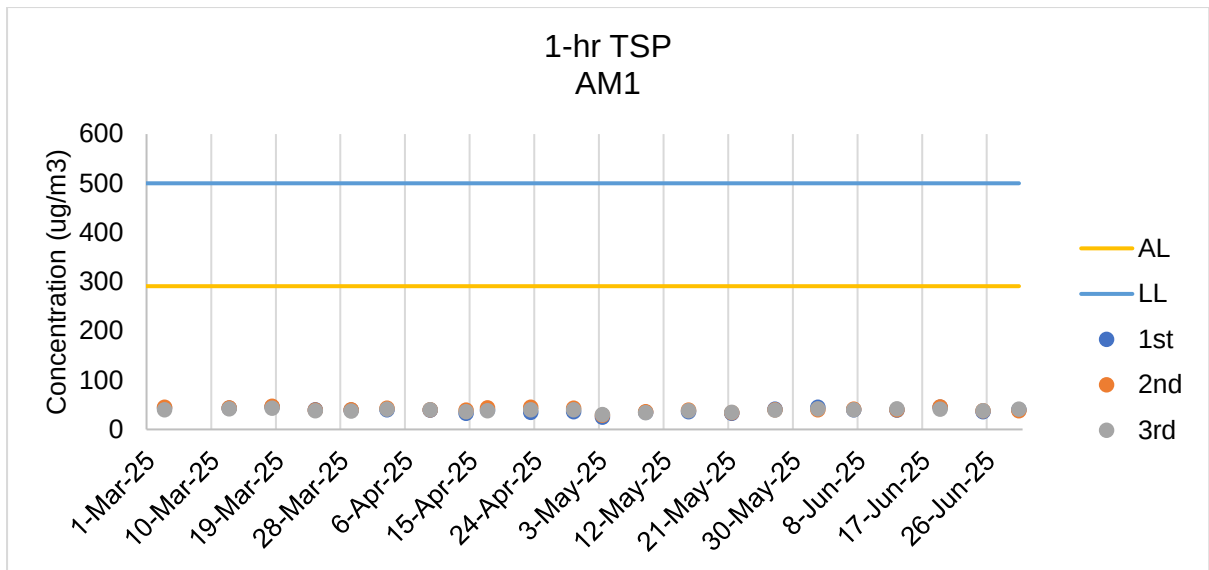
Date	Weather Condition	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
			1st Measurement	2nd Measurement	3rd Measurement		
2/6/2025	Fine	8:10	45	40	42	291	500
7/6/2025	Fine	8:21	40	41	40		
13/6/2025	Fine	8:33	39	40	42		
19/6/2025	Fine	8:14	45	46	41		
25/6/2025	Fine	8:45	36	38	38		
30/6/2025	Fine	8:12	40	38	41		
Min			36				
Max			46				
Average			41				

AM2 - Squatter house at the west of Yuen Long STW

Date	Weather Condition	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
			1st Measurement	2nd Measurement	3rd Measurement		
2/6/2025	Fine	13:21	41	40	40	296	500
7/6/2025	Fine	13:10	39	40	37		
13/6/2025	Fine	13:25	40	41	39		
19/6/2025	Fine	13:34	42	44	41		
25/6/2025	Fine	13:21	38	40	41		
30/6/2025	Fine	13:41	41	40	39		
Min			37				
Max			44				
Average			40				

Note:

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



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)
2/6/2024	12:10	59.2	61.2	57.5	0.3	sunny	75
13/6/2025	12:11	60.1	62.8	58.6	0.8	sunny	75
19/6/2025	12:22	62.2	63.3	60.2	0.3	sunny	75
25/6/2025	12:08	58.6	59.5	56.4	0.1	sunny	75
30/6/2025	12:28	59.1	61.2	55.2	0.0	sunny	75
	Max	62.2					
	Min	58.6					

CM2 - Squatter house to the west of YLSTW

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
2/6/2024	13:23	56.5	58.2	55.5	0.9	sunny	75
13/6/2025	13:28	57.5	59.6	56.4	0.4	sunny	75
19/6/2025	13:35	56.9	57.8	54.2	0.8	sunny	75
25/6/2025	13:27	58.2	59.4	56.4	0.5	sunny	75
30/6/2025	13:44	58.1	60.6	56.5	0.4	sunny	75
	Max	58.2					
	Min	56.5					

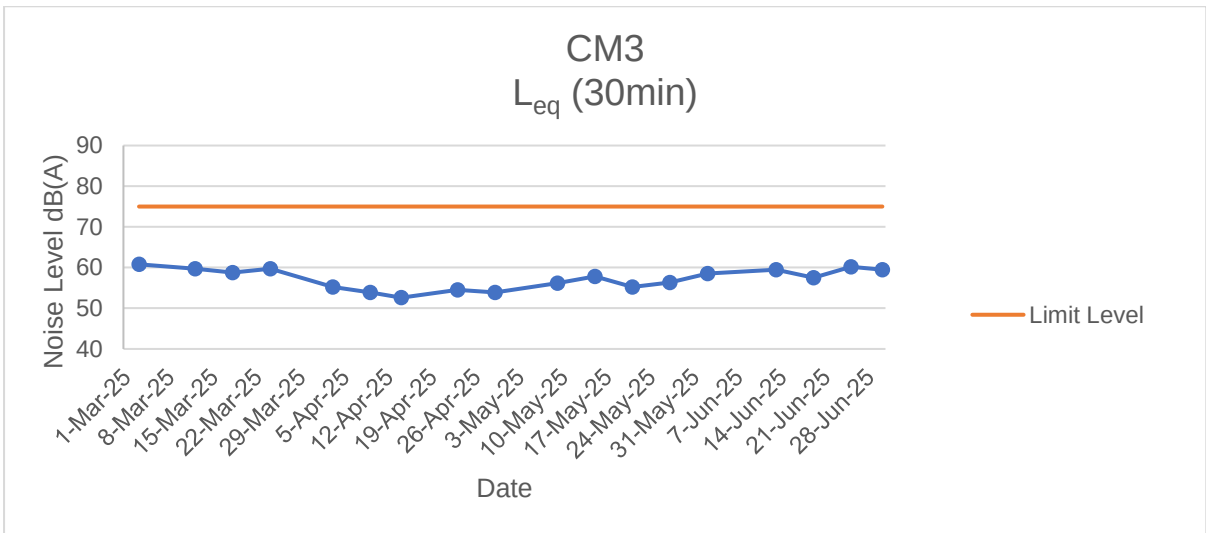
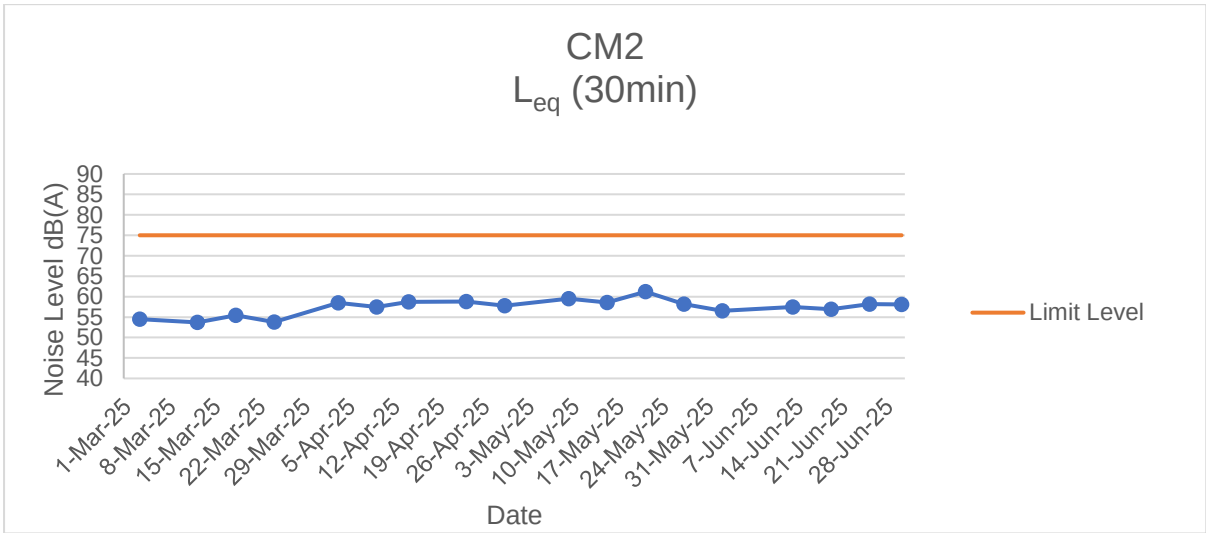
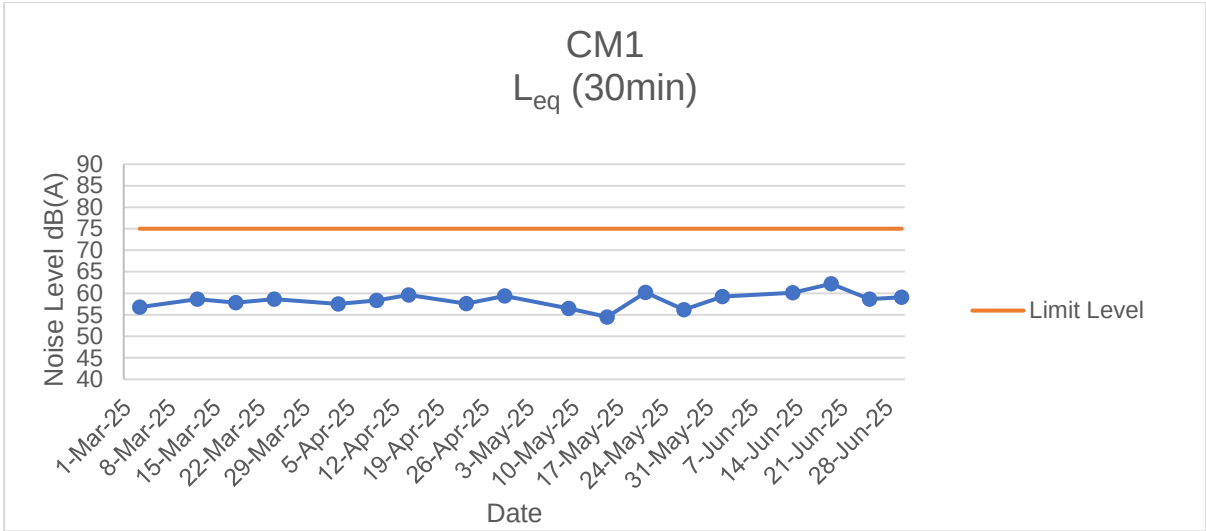
CM3 - Squatter house to the east of YLSTW

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
2/6/2024	10:08	58.5	60.2	56.5	3.8	sunny	75
13/6/2025	10:02	59.5	61.8	57.5	0.2	sunny	75
19/6/2025	10:14	57.5	59.5	56.5	1.1	sunny	75
25/6/2025	10:21	60.2	61.5	58.4	1.1	sunny	75
30/6/2025	10:19	59.5	62.1	57.9	0.5	sunny	75
	Max	60.2					
	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	2/06/2025	Mid-Flood	Sunny	Low	17:55	2.3	M	1.15	1	0.075	161.487	7.17	7.18	3.17	3.20	26.8	26.80	39.8	40.40	2.95	3.00	18.76	18.755	24	23
M1	2/06/2025	Mid-Flood	Sunny	Low	17:55	2.3	M	1.15	2			7.18		3.23		26.8		41.0		3.04		18.75		22	
M2	2/06/2025	Mid-Flood	Sunny	Low	18:22	2	M	1.00	1	0.075	161.305	7.16	7.16	3.12	3.10	26.8	26.85	41.2	41.20	3.05	3.05	19.34	19.49	24	23
M2	2/06/2025	Mid-Flood	Sunny	Low	18:22	2	M	1.00	2			7.16		3.08		26.9		41.2		3.05		19.64		21	
M3	2/06/2025	Mid-Flood	Sunny	Low	18:38	1.9	M	0.95	1	0.094	180.737	7.17	7.17	3.65	3.62	26.8	26.85	52.9	52.50	3.92	3.89	24.55	24.37	26	24
M3	2/06/2025	Mid-Flood	Sunny	Low	18:39	1.9	M	0.95	2			7.17		3.59		26.9		52.1		3.86		24.19		22	
M1	2/06/2025	Mid-Ebb	Sunny	Low	10:55	2.4	M	1.20	1	0.06	323.592	7.15	7.16	2.94	2.98	27.1	27.10	38.6	39.15	2.86	2.90	17.94	17.825	19	21
M1	2/06/2025	Mid-Ebb	Sunny	Low	10:55	2.4	M	1.20	2			7.16		3.02		27.1		39.7		2.94		17.71		23	
M2	2/06/2025	Mid-Ebb	Sunny	Low	10:25	2.2	M	1.10	1	0.063	315.03	7.15	7.14	3.08	3.07	27.1	27.10	38.7	39.40	2.87	2.92	17.29	17.295	25	25
M2	2/06/2025	Mid-Ebb	Sunny	Low	10:25	2.2	M	1.10	2			7.13		3.05		27.1		40.1		2.97		17.3		24	
M3	2/06/2025	Mid-Ebb	Sunny	Low	11:12	2	M	1.00	1	0.081	310.06	7.14	7.14	3.66	3.70	27.1	27.15	52.0	52.75	3.85	3.91	23.87	23.68	26	26
M3	2/06/2025	Mid-Ebb	Sunny	Low	11:12	2	M	1.00	2			7.14		3.73		27.2		53.5		3.96		23.49		25	

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	4/06/2025	Mid-Flood	Sunny	Low	8:27	2.4	M	1.20	1	0.085	189.811	7.09	7.10	3.12	3.14	27.1	27.15	39.0	38.20	2.89	2.83	21.45	21.235	33	34
M1	4/06/2025	Mid-Flood	Sunny	Low	8:27	2.4	M	1.20	2			7.1		3.15		27.2		37.4		2.77		21.02		34	
M2	4/06/2025	Mid-Flood	Sunny	Low	8:56	2.1	M	1.05	1	0.09	187.462	7.11	7.12	3.23	3.24	27.1	27.10	39.6	39.85	2.93	2.95	21.68	21.82	36	37
M2	4/06/2025	Mid-Flood	Sunny	Low	8:56	2.1	M	1.05	2			7.12		3.24		27.1		40.1		2.97		21.96		38	
M3	4/06/2025	Mid-Flood	Sunny	Low	9:05	2	M	1.00	1	0.084	169.83	7.1	7.11	3.35	3.34	27.1	27.10	50.5	49.75	3.74	3.69	27.45	27.535	36	35
M3	4/06/2025	Mid-Flood	Sunny	Low	9:05	2	M	1.00	2			7.11		3.32		27.1		49.0		3.63		27.62		33	
M1	4/06/2025	Mid-Ebb	Sunny	Low	13:58	2.4	M	1.20	1	0.077	313.45	7.08	7.08	2.89	2.92	27.3	27.35	39.8	39.95	2.95	2.96	20.01	19.82	30	32
M1	4/06/2025	Mid-Ebb	Sunny	Low	13:58	2.4	M	1.20	2			7.07		2.95		27.4		40.1		2.97		19.63		33	
M2	4/06/2025	Mid-Ebb	Sunny	Low	13:29	2.2	M	1.10	1	0.081	325.043	7.09	7.10	3.07	3.11	27.3	27.30	38.6	37.60	2.86	2.79	21.30	21.455	30	31
M2	4/06/2025	Mid-Ebb	Sunny	Low	13:29	2.2	M	1.10	2			7.1		3.14		27.3		36.6		2.71		21.61		31	
M3	4/06/2025	Mid-Ebb	Sunny	Low	14:12	2	M	1.00	1	0.069	302.254	7.11	7.11	3.44	3.42	27.3	27.30	51.3	51.35	3.8	3.81	28.12	28.16	31	31
M3	4/06/2025	Mid-Ebb	Sunny	Low	14:12	2	M	1.00	2			7.11		3.39		27.3		51.4		3.81		28.2		31	

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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	6/06/2025	Mid-Flood	Cloudy	Low	10:14	2.3	M	1.15	1	0.08	174.889	7.13	7.12	3.89	3.87	26.9	26.95	42.1	41.65	3.12	3.09	24.13	24.285	25	23		
M1	6/06/2025	Mid-Flood	Cloudy	Low	10:14	2.3	M	1.15	2			7.11		3.85		27		41.2		3.05		24.44		20			
M2	6/06/2025	Mid-Flood	Cloudy	Low	10:49	2	M	1.00	1	0.093	178.865	7.14	7.13	3.93	3.90	26.9	26.90	42.9	42.45	3.18	3.15	23.59	23.57	22	22		
M2	6/06/2025	Mid-Flood	Cloudy	Low	10:50	2	M	1.00	2			7.12		3.86		26.9		42.0		3.11		23.55		21			
M3	6/06/2025	Mid-Flood	Cloudy	Low	11:01	1.9	M	0.95	1	0.073	161.052	7.15	7.15	4.08	4.09	26.9	26.90	53.7	53.65	3.98	3.98	30.31	30.355	20	20		
M3	6/06/2025	Mid-Flood	Cloudy	Low	11:01	1.9	M	0.95	2			7.15		4.1		26.9		53.6		3.97		30.4		20			
M1	6/06/2025	Mid-Ebb	Cloudy	Low	17:03	2.4	M	1.20	1	0.075	333.895	7.13	7.14	3.74	3.79	26.7	26.75	41.6	41.20	3.08	3.05	24.01	23.82	11	16		
M1	6/06/2025	Mid-Ebb	Cloudy	Low	17:03	2.4	M	1.20	2			7.14		3.83		26.8		40.8		3.02		23.63		20			
M2	6/06/2025	Mid-Ebb	Cloudy	Low	16:27	2.2	M	1.10	1	0.081	344.858	7.14	7.14	3.80	3.85	26.7	26.75	44.0	44.35	3.26	3.29	23.20	23.235	24	24		
M2	6/06/2025	Mid-Ebb	Cloudy	Low	16:27	2.2	M	1.10	2			7.14		3.89		26.8		44.7		3.31		23.27		24			
M3	6/06/2025	Mid-Ebb	Cloudy	Low	17:11	2	M	1.00	1	0.071	342.03	7.16	7.17	4.11	4.14	26.7	26.75	54.9	55.35	4.07	4.10	30.91	30.93	23	22		
M3	6/06/2025	Mid-Ebb	Cloudy	Low	17:11	2	M	1.00	2			7.18		4.17		26.8		55.8		4.13		30.95		20			

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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	9/06/2025	Mid-Flood	Cloudy	Low	12:01	2.5	M	1.25	1	0.085	191.167	7.11	7.10	3.25	3.25	26.7	26.70	39.6	39.35	2.85	2.83	21.36	21.39	26	27
M1	9/06/2025	Mid-Flood	Cloudy	Low	12:02	2.5	M	1.25	2			7.09		3.24		26.7		39.1		2.81		21.42		28	
M2	9/06/2025	Mid-Flood	Cloudy	Low	12:36	2.2	M	1.10	1	0.075	179.143	7.12	7.11	3.32	3.32	26.7	26.75	40.4	40.40	2.91	2.91	20.38	20.255	27	28
M2	9/06/2025	Mid-Flood	Cloudy	Low	12:36	2.2	M	1.10	2			7.1		3.31		26.8		40.4		2.91		20.13		28	
M3	9/06/2025	Mid-Flood	Cloudy	Low	12:51	1.9	M	0.95	1	0.082	184.089	7.14	7.15	4.36	4.40	26.7	26.70	52.4	52.05	3.77	3.75	28.99	27.655	24	26
M3	9/06/2025	Mid-Flood	Cloudy	Low	12:51	1.9	M	0.95	2			7.15		4.43		26.7		51.7		3.72		26.32		27	
M1	9/06/2025	Mid-Ebb	Cloudy	Low	17:36	2.4	M	1.20	1	0.081	334.105	7.09	7.10	3.55	3.57	26.4	26.45	41.3	40.95	2.97	2.95	20.58	20.6	26	29
M1	9/06/2025	Mid-Ebb	Cloudy	Low	17:36	2.4	M	1.20	2			7.11		3.59		26.5		40.6		2.92		20.62		31	
M2	9/06/2025	Mid-Ebb	Cloudy	Low	17:04	2.2	M	1.10	1	0.059	303.64	7.11	7.12	3.41	3.42	26.4	26.45	42.1	41.55	3.03	2.99	21.91	22.09	31	29
M2	9/06/2025	Mid-Ebb	Cloudy	Low	17:04	2.2	M	1.10	2			7.12		3.42		26.5		41.0		2.95		22.27		26	
M3	9/06/2025	Mid-Ebb	Cloudy	Low	17:49	2	M	1.00	1	0.058	333.393	7.13	7.13	4.16	4.19	26.4	26.45	54.1	53.90	3.89	3.88	29.50	29.585	27	27
M3	9/06/2025	Mid-Ebb	Cloudy	Low	17:49	2	M	1.00	2			7.13		4.22		26.5		53.7		3.86		29.67		26	

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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	11/06/2025	Mid-Flood	Cloudy	Low	13:21	2.4	M	1.20	1	0.075	166.096	7.07	7.07	3.18	3.18	26.3	26.30	40.7	39.50	2.89	2.87	24.43	24.23	36	37
M1	11/06/2025	Mid-Flood	Cloudy	Low	13:21	2.4	M	1.20	2			7.06		3.18		26.3		38.3		2.84		24.03		37	
M2	11/06/2025	Mid-Flood	Cloudy	Low	13:55	2.2	M	1.10	1	0.09	177.233	7.06	7.07	3.25	3.24	26.3	26.30	37.1	37.30	2.75	2.77	23.38	23.495	41	40
M2	11/06/2025	Mid-Flood	Cloudy	Low	13:55	2.2	M	1.10	2			7.08		3.22		26.3		37.5		2.78		23.61		39	
M3	11/06/2025	Mid-Flood	Cloudy	Low	14:08	1.9	M	0.95	1	0.091	171.023	7.09	7.10	3.69	3.73	26.3	26.30	49.8	50.20	3.69	3.72	31.55	31.46	40	39
M3	11/06/2025	Mid-Flood	Cloudy	Low	14:09	1.9	M	0.95	2			7.1		3.76		26.3		50.6		3.75		31.37		38	
M1	11/06/2025	Mid-Ebb	Cloudy	Low	8:29	2.3	M	1.15	1	0.072	341.256	7.04	7.04	3.22	3.20	25.8	25.85	38.7	38.70	2.87	2.87	25.98	26.14	28	36
M1	11/06/2025	Mid-Ebb	Cloudy	Low	8:29	2.3	M	1.15	2			7.04		3.17		25.9		38.7		2.87		26.3		44	
M2	11/06/2025	Mid-Ebb	Cloudy	Low	8:00	2.1	M	1.05	1	0.069	322.927	7.06	7.07	3.43	3.43	25.8	25.80	37.5	38.00	2.78	2.82	24.29	24.09	37	34
M2	11/06/2025	Mid-Ebb	Cloudy	Low	8:01	2.1	M	1.05	2			7.07		3.43		25.8		38.5		2.85		23.89		30	
M3	11/06/2025	Mid-Ebb	Cloudy	Low	8:45	1.8	M	0.90	1	0.063	335.278	7.08	7.08	3.85	3.84	25.7	25.70	51.2	50.90	3.79	3.77	31.68	31.61	45	43
M3	11/06/2025	Mid-Ebb	Cloudy	Low	8:45	1.8	M	0.90	2			7.07		3.83		25.7		50.6		3.75		31.54		41	

Remark

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

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	13/06/2025	Mid-Flood	Cloudy	Low	14:40	2.5	M	1.25	1	0.085	166.94	7.09	7.10	3.16	3.20	26.1	26.15	42.4	41.55	3.07	3.01	23.49	23.455	25	27
M1	13/06/2025	Mid-Flood	Cloudy	Low	14:41	2.5	M	1.25	2			7.1		3.23		26.2		40.7		2.95		23.42		28	
M2	13/06/2025	Mid-Flood	Cloudy	Low	15:08	2.3	M	1.15	1	0.084	184.208	7.11	7.10	3.13	3.18	26.1	26.15	43.5	44.05	3.15	3.19	24.11	24.29	28	26
M2	13/06/2025	Mid-Flood	Cloudy	Low	15:09	2.3	M	1.15	2			7.09		3.22		26.2		44.6		3.23		24.47		24	
M3	13/06/2025	Mid-Flood	Cloudy	Low	15:23	1.9	M	0.95	1	0.073	167.035	7.13	7.13	3.89	3.89	26.1	26.10	53.5	54.30	3.88	3.94	31.44	31.45	25	27
M3	13/06/2025	Mid-Flood	Cloudy	Low	15:23	1.9	M	0.95	2			7.13		3.88		26.1		55.1		3.99		31.46		28	
M1	13/06/2025	Mid-Ebb	Cloudy	Low	9:43	2.4	M	1.20	1	0.061	307.149	7.08	7.07	3.27	3.25	25.8	25.85	43.6	43.90	3.16	3.18	23.99	23.985	22	27
M1	13/06/2025	Mid-Ebb	Cloudy	Low	9:43	2.4	M	1.20	2			7.06		3.23		25.9		44.2		3.2		23.98		31	
M2	13/06/2025	Mid-Ebb	Cloudy	Low	9:11	2.2	M	1.10	1	0.075	332.227	7.07	7.07	3.27	3.28	25.8	25.85	44.9	44.90	3.25	3.25	23.33	23.42	26	28
M2	13/06/2025	Mid-Ebb	Cloudy	Low	9:11	2.2	M	1.10	2			7.06		3.29		25.9		44.9		3.25		23.51		29	
M3	13/06/2025	Mid-Ebb	Cloudy	Low	9:52	2	M	1.00	1	0.065	302.621	7.12	7.12	3.99	3.98	25.8	25.80	54.5	54.25	3.95	3.93	32.43	32.255	30	28
M3	13/06/2025	Mid-Ebb	Cloudy	Low	9:52	2	M	1.00	2			7.11		3.97		25.8		54.0		3.91		32.08		25	

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	16/06/2025	Mid-Flood	Cloudy	Low	16:38	2.3	M	1.15	1	0.08	165.649	7.12	7.12	3.28	3.24	26.3	26.30	41.7	41.85	3.16	3.17	22.45	22.43	25	26
M1	16/06/2025	Mid-Flood	Cloudy	Low	16:38	2.3	M	1.15	2			7.12		3.2		26.3		42.0		3.18		22.41		27	
M2	16/06/2025	Mid-Flood	Cloudy	Low	17:07	2.2	M	1.10	1	0.094	166.693	7.13	7.14	3.45	3.48	26.2	26.20	42.9	42.85	3.25	3.25	23.05	22.855	16	20
M2	16/06/2025	Mid-Flood	Cloudy	Low	17:07	2.2	M	1.10	2			7.14		3.51		26.2		42.8		3.24		22.66		23	
M3	16/06/2025	Mid-Flood	Cloudy	Low	17:21	1.9	M	0.95	1	0.086	187.899	7.16	7.15	3.95	3.96	26.1	26.10	51.3	51.60	3.89	3.91	31.50	31.45	26	23
M3	16/06/2025	Mid-Flood	Cloudy	Low	17:21	1.9	M	0.95	2			7.14		3.97		26.1		51.9		3.93		31.4		19	
M1	16/06/2025	Mid-Ebb	Cloudy	Low	9:45	2.4	M	1.20	1	0.071	326.036	7.13	7.13	3.33	3.36	26.5	26.50	37.9	36.90	2.87	2.80	21.10	21.165	21	21
M1	16/06/2025	Mid-Ebb	Cloudy	Low	9:45	2.4	M	1.20	2			7.13		3.38		26.5		35.9		2.72		21.23		21	
M2	16/06/2025	Mid-Ebb	Cloudy	Low	9:17	2.2	M	1.10	1	0.064	304.036	7.12	7.13	3.49	3.48	26.4	26.40	38.8	39.00	2.94	2.96	22.32	22.405	16	22
M2	16/06/2025	Mid-Ebb	Cloudy	Low	9:17	2.2	M	1.10	2			7.14		3.47		26.4		39.2		2.97		22.49		27	
M3	16/06/2025	Mid-Ebb	Cloudy	Low	9:56	2	M	1.00	1	0.067	328.723	7.15	7.16	4.07	4.06	26.4	26.40	51.6	51.30	3.91	3.89	29.90	29.86	31	31
M3	16/06/2025	Mid-Ebb	Cloudy	Low	9:56	2	M	1.00	2			7.16		4.04		26.4		51.0		3.86		29.82		31	

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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	18/06/2025	Mid-Flood	Sunny	Low	14:59	2.3	M	1.15	1	0.086	165.416	7.06	7.06	3.27	3.30	26.9	26.90	38.9	38.80	2.88	2.88	21.45	21.505	32	26
M1	18/06/2025	Mid-Flood	Sunny	Low	14:59	2.3	M	1.15	2			7.05		3.33		26.9		38.7		2.87		21.56		20	
M2	18/06/2025	Mid-Flood	Sunny	Low	15:28	2.1	M	1.05	1	0.085	183.766	7.07	7.08	3.35	3.32	26.9	26.90	37.7	37.40	2.79	2.77	22.25	22.17	30	29
M2	18/06/2025	Mid-Flood	Sunny	Low	15:28	2.1	M	1.05	2			7.09		3.29		26.9		37.1		2.75		22.09		28	
M3	18/06/2025	Mid-Flood	Sunny	Low	15:45	2	M	1.00	1	0.073	180.465	7.08	7.07	4.06	4.05	26.9	26.95	52.8	53.00	3.91	3.93	28.57	28.64	28	30
M3	18/06/2025	Mid-Flood	Sunny	Low	15:45	2	M	1.00	2			7.06		4.03		27		53.2		3.94		28.71		32	
M1	18/06/2025	Mid-Ebb	Sunny	Low	11:58	2.4	M	1.20	1	0.068	330.881	7.05	7.05	3.15	3.13	27.1	27.10	37.5	37.00	2.78	2.74	22.24	22.08	28	31
M1	18/06/2025	Mid-Ebb	Sunny	Low	11:58	2.4	M	1.20	2			7.05		3.11		27.1		36.5		2.7		21.92		33	
M2	18/06/2025	Mid-Ebb	Sunny	Low	11:33	2.2	M	1.10	1	0.066	341.607	7.06	7.07	3.29	3.28	27.1	27.10	38.1	37.35	2.82	2.77	22.96	22.865	31	35
M2	18/06/2025	Mid-Ebb	Sunny	Low	11:33	2.2	M	1.10	2			7.08		3.26		27.1		36.6		2.71		22.77		39	
M3	18/06/2025	Mid-Ebb	Sunny	Low	12:08	1.8	M	0.90	1	0.079	317.233	7.08	7.08	4.21	4.22	27.1	27.15	52.4	51.50	3.88	3.82	29.92	29.975	36	33
M3	18/06/2025	Mid-Ebb	Sunny	Low	12:08	1.8	M	0.90	2			7.07		4.23		27.2		50.6		3.75		30.03		29	

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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	20/06/2025	Mid-Flood	Cloudy	Low	8:38	2.3	M	1.15	1	0.086	186.537	7.05	7.05	3.56	3.54	27.5	27.55	39.8	40.00	2.99	3.01	22.47	22.425	14	14
M1	20/06/2025	Mid-Flood	Cloudy	Low	8:39	2.3	M	1.15	2			7.05		3.51		27.6		40.2		3.02		22.38		14	
M2	20/06/2025	Mid-Flood	Cloudy	Low	9:10	2.1	M	1.05	1	0.076	162.058	7.06	7.07	3.68	3.69	27.5	27.50	41.0	41.20	3.08	3.10	21.32	21.19	12	13
M2	20/06/2025	Mid-Flood	Cloudy	Low	9:10	2.1	M	1.05	2			7.07		3.69		27.5		41.4		3.11		21.06		14	
M3	20/06/2025	Mid-Flood	Cloudy	Low	9:25	1.9	M	0.95	1	0.084	180.577	7.09	7.10	4.12	4.14	27.5	27.50	53.1	52.40	3.99	3.94	30.54	30.21	15	15
M3	20/06/2025	Mid-Flood	Cloudy	Low	9:25	1.9	M	0.95	2			7.11		4.15		27.5		51.7		3.89		29.88		14	
M1	20/06/2025	Mid-Ebb	Cloudy	Low	14:41	2.3	M	1.15	1	0.062	342.316	7.05	7.05	3.68	3.69	27.3	27.35	37.9	38.50	2.85	2.90	22.16	22.085	14	15
M1	20/06/2025	Mid-Ebb	Cloudy	Low	14:41	2.3	M	1.15	2			7.05		3.7		27.4		39.1		2.94		22.01		15	
M2	20/06/2025	Mid-Ebb	Cloudy	Low	14:13	2.1	M	1.05	1	0.06	331.771	7.08	7.09	3.79	3.77	27.3	27.30	39.5	38.55	2.97	2.90	20.15	20.075	14	15
M2	20/06/2025	Mid-Ebb	Cloudy	Low	14:13	2.1	M	1.05	2			7.1		3.75		27.3		37.6		2.83		20		15	
M3	20/06/2025	Mid-Ebb	Cloudy	Low	14:58	1.8	M	0.90	1	0.061	315.545	7.11	7.11	4.23	4.26	27.3	27.30	54.8	54.55	4.12	4.10	31.86	31.955	15	15
M3	20/06/2025	Mid-Ebb	Cloudy	Low	14:58	1.8	M	0.90	2			7.1		4.29		27.3		54.3		4.08		32.05		14	

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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	23/06/2025	Mid-Flood	Sunny	Low	11:13	2.4	M	1.20	1	0.076	162.058	7.12	7.12	3.38	3.42	27.9	27.90	40.2	40.95	2.98	3.04	24.58	24.755	31	34
M1	23/06/2025	Mid-Flood	Sunny	Low	11:14	2.4	M	1.20	2			7.11		3.46		27.9		41.7		3.09		24.93		37	
M2	23/06/2025	Mid-Flood	Sunny	Low	11:42	2	M	1.00	1	0.081	188.433	7.13	7.13	3.45	3.42	27.9	27.95	41.6	40.80	3.08	3.02	25.48	25.275	31	37
M2	23/06/2025	Mid-Flood	Sunny	Low	11:42	2	M	1.00	2			7.13		3.38		28		40.0		2.96		25.07		43	
M3	23/06/2025	Mid-Flood	Sunny	Low	11:53	1.9	M	0.95	1	0.082	183.923	7.15	7.16	4.12	4.13	27.9	27.95	53.9	53.50	3.99	3.96	29.56	29.41	27	38
M3	23/06/2025	Mid-Flood	Sunny	Low	11:53	1.9	M	0.95	2			7.16		4.14		28		53.1		3.93		29.26		48	
M1	23/06/2025	Mid-Ebb	Sunny	Low	16:48	2.3	M	1.15	1	0.074	325.587	7.11	7.10	3.49	3.50	27.5	27.50	41.2	41.20	3.05	3.05	24.31	24.275	27	33
M1	23/06/2025	Mid-Ebb	Sunny	Low	16:48	2.3	M	1.15	2			7.09		3.51		27.5		41.2		3.05		24.24		38	
M2	23/06/2025	Mid-Ebb	Sunny	Low	16:15	2.1	M	1.05	1	0.078	317.125	7.12	7.12	3.51	3.48	27.5	27.50	43.1	43.20	3.19	3.20	25.16	24.98	32	34
M2	23/06/2025	Mid-Ebb	Sunny	Low	16:15	2.1	M	1.05	2			7.12		3.44		27.5		43.3		3.21		24.8		35	
M3	23/06/2025	Mid-Ebb	Sunny	Low	17:01	1.8	M	0.90	1	0.064	333.423	7.14	7.15	4.24	4.22	27.5	27.55	55.1	54.90	4.08	4.07	32.25	32.05	20	30
M3	23/06/2025	Mid-Ebb	Sunny	Low	17:02	1.8	M	0.90	2			7.15		4.19		27.6		54.7		4.05		31.85		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	25/06/2025	Mid-Flood	Cloudy	Low	13:02	2.3	M	1.15	1	0.077	185.554	7.18	7.19	3.66	3.62	28.2	28.25	45.3	45.00	3.28	3.26	23.56	23.655	57	60
M1	25/06/2025	Mid-Flood	Cloudy	Low	13:02	2.3	M	1.15	2			7.19		3.58		28.3		44.7		3.24		23.75		62	
M2	25/06/2025	Mid-Flood	Cloudy	Low	13:36	2	M	1.00	1	0.087	185.068	7.18	7.19	3.53	3.57	28.2	28.25	44.0	43.30	3.19	3.14	24.33	24.14	48	54
M2	25/06/2025	Mid-Flood	Cloudy	Low	13:36	2	M	1.00	2			7.2		3.61		28.3		42.6		3.09		23.95		59	
M3	25/06/2025	Mid-Flood	Cloudy	Low	13:45	1.8	M	0.90	1	0.092	169.017	7.2	7.21	4.25	4.23	28.2	28.25	53.0	52.50	3.84	3.81	32.99	32.98	58	59
M3	25/06/2025	Mid-Flood	Cloudy	Low	13:45	1.8	M	0.90	2			7.22		4.21		28.3		52.0		3.77		32.97		60	
M1	25/06/2025	Mid-Ebb	Cloudy	Low	18:55	2.2	M	1.10	1	0.059	344.619	7.17	7.17	3.55	3.57	27.8	27.85	39.9	38.85	2.89	2.82	22.81	22.935	62	63
M1	25/06/2025	Mid-Ebb	Cloudy	Low	18:55	2.2	M	1.10	2			7.17		3.59		27.9		37.8		2.74		23.06		64	
M2	25/06/2025	Mid-Ebb	Cloudy	Low	18:26	1.9	M	0.95	1	0.066	313.497	7.18	7.17	3.48	3.50	27.8	27.80	40.8	40.15	2.96	2.91	23.26	23.21	74	74
M2	25/06/2025	Mid-Ebb	Cloudy	Low	18:26	1.9	M	0.95	2			7.16		3.51		27.8		39.5		2.86		23.16		74	
M3	25/06/2025	Mid-Ebb	Cloudy	Low	17:03	1.7	M	0.85	1	0.077	304.335	7.19	7.20	4.14	4.15	27.8	27.85	53.4	53.95	3.87	3.91	31.89	32.05	73	74
M3	25/06/2025	Mid-Ebb	Cloudy	Low	17:03	1.7	M	0.85	2			7.21		4.15		27.9		54.5		3.95		32.21		74	

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	88.5	95.875

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	27/06/2025	Mid-Flood	Cloudy	Low	14:38	2.3	M	1.15	1	0.085	177.762	7.05	7.06	3.25	3.22	28.1	28.15	38.0	37.40	2.88	2.84	21.59	21.395	25	29
M1	27/06/2025	Mid-Flood	Cloudy	Low	14:38	2.3	M	1.15	2			7.07		3.18		28.2		36.8		2.79		21.2		32	
M2	27/06/2025	Mid-Flood	Cloudy	Low	14:57	2.1	M	1.05	1	0.084	164.478	7.03	7.04	3.37	3.42	28.1	28.15	38.9	39.65	2.95	3.01	22.40	22.435	27	28
M2	27/06/2025	Mid-Flood	Cloudy	Low	14:57	2.1	M	1.05	2			7.04		3.46		28.2		40.4		3.06		22.47		28	
M3	27/06/2025	Mid-Flood	Cloudy	Low	15:12	1.9	M	0.95	1	0.083	186.457	7.11	7.12	4.08	4.04	28.1	28.10	50.8	50.35	3.85	3.82	26.90	26.96	24	25
M3	27/06/2025	Mid-Flood	Cloudy	Low	15:12	1.9	M	0.95	2			7.12		4		28.1		49.9		3.78		27.02		25	
M1	27/06/2025	Mid-Ebb	Cloudy	Low	9:41	2.3	M	1.15	1	0.081	306.833	7.07	7.06	3.16	3.16	28.3	28.30	38.5	39.10	2.92	2.97	22.17	22.265	25	26
M1	27/06/2025	Mid-Ebb	Cloudy	Low	9:42	2.3	M	1.15	2			7.05		3.15		28.3		39.7		3.01		22.36		26	
M2	27/06/2025	Mid-Ebb	Cloudy	Low	9:11	2	M	1.00	1	0.065	321.584	7.04	7.04	3.49	3.49	28.3	28.35	40.3	39.30	3.05	2.98	22.30	22.3	23	26
M2	27/06/2025	Mid-Ebb	Cloudy	Low	9:12	2	M	1.00	2			7.04		3.48		28.4		38.3		2.9		22.3		28	
M3	27/06/2025	Mid-Ebb	Cloudy	Low	9:57	1.8	M	0.90	1	0.066	300.749	7.12	7.13	4.18	4.14	28.3	28.30	54.3	55.00	4.11	4.17	27.85	28.03	28	30
M3	27/06/2025	Mid-Ebb	Cloudy	Low	9:57	1.8	M	0.90	2			7.13		4.1		28.3		55.7		4.22		28.21		31	

Remark

1. Orange and Bold: Action Level Exceedance (For Impact Station Only)
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For Flood Tide						
Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167
For Ebb Tide						
Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

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

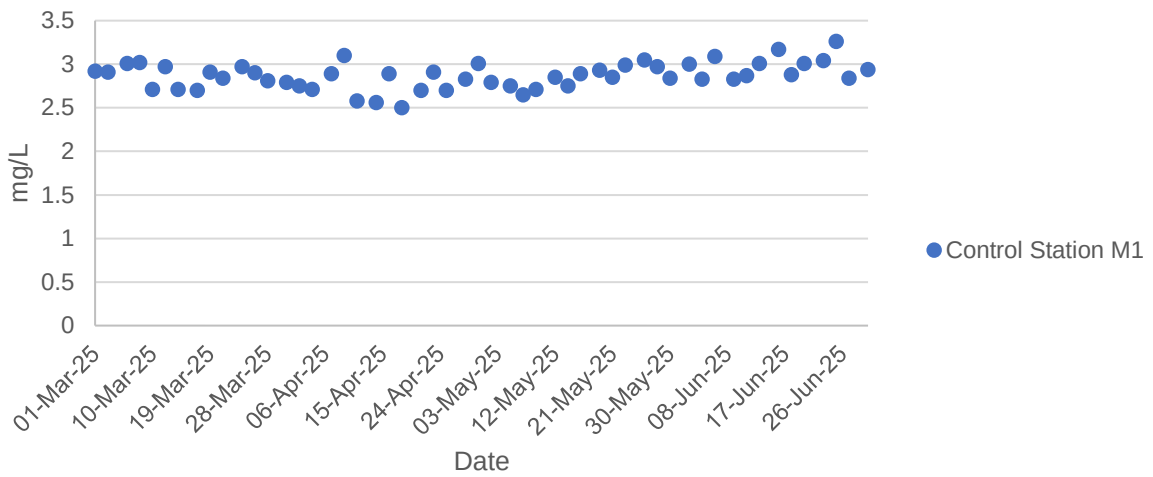
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	30/06/2025	Mid-Flood	Cloudy	Low	16:41	2.4	M	1.20	1	0.09	181.298	7.16	7.17	3.12	3.12	27.8	27.85	40.1	39.65	2.97	2.94	24.85	24.705	11	14
M1	30/06/2025	Mid-Flood	Cloudy	Low	16:41	2.4	M	1.20	2			7.18		3.12		27.9		39.2		2.9		24.56		16	
M2	30/06/2025	Mid-Flood	Cloudy	Low	17:08	2.1	M	1.05	1	0.09	171.726	7.17	7.18	2.99	3.03	27.8	27.85	41.2	41.85	3.05	3.10	23.43	23.345	13	15
M2	30/06/2025	Mid-Flood	Cloudy	Low	17:09	2.1	M	1.05	2			7.19		3.07		27.9		42.5		3.15		23.26		17	
M3	30/06/2025	Mid-Flood	Cloudy	Low	17:22	1.9	M	0.95	1	0.084	187.091	7.22	7.22	3.69	3.72	27.8	27.85	49.8	50.55	3.69	3.75	31.55	31.62	12	12
M3	30/06/2025	Mid-Flood	Cloudy	Low	17:23	1.9	M	0.95	2			7.21		3.75		27.9		51.3		3.8		31.69		12	
M1	30/06/2025	Mid-Ebb	Cloudy	Low	9:51	2.3	M	1.15	1	0.058	319.006	7.14	7.13	2.88	2.91	27.9	27.90	38.7	38.95	2.87	2.89	25.11	24.67	12	12
M1	30/06/2025	Mid-Ebb	Cloudy	Low	9:51	2.3	M	1.15	2			7.12		2.94		27.9		39.2		2.9		24.23		11	
M2	30/06/2025	Mid-Ebb	Cloudy	Low	9:26	2	M	1.00	1	0.075	329.223	7.18	7.17	2.91	2.90	27.9	27.95	35.6	35.55	2.64	2.64	23.28	23.25	11	13
M2	30/06/2025	Mid-Ebb	Cloudy	Low	9:26	2	M	1.00	2			7.16		2.88		28.0		35.5		2.63		23.22		15	
M3	30/06/2025	Mid-Ebb	Cloudy	Low	10:08	1.8	M	0.90	1	0.058	314.972	7.21	7.22	3.58	3.62	27.9	27.95	49.8	50.15	3.69	3.72	30.85	30.835	15	13
M3	30/06/2025	Mid-Ebb	Cloudy	Low	10:08	1.8	M	0.90	2			7.23		3.66		28.0		50.5		3.74		30.82		11	

Remark

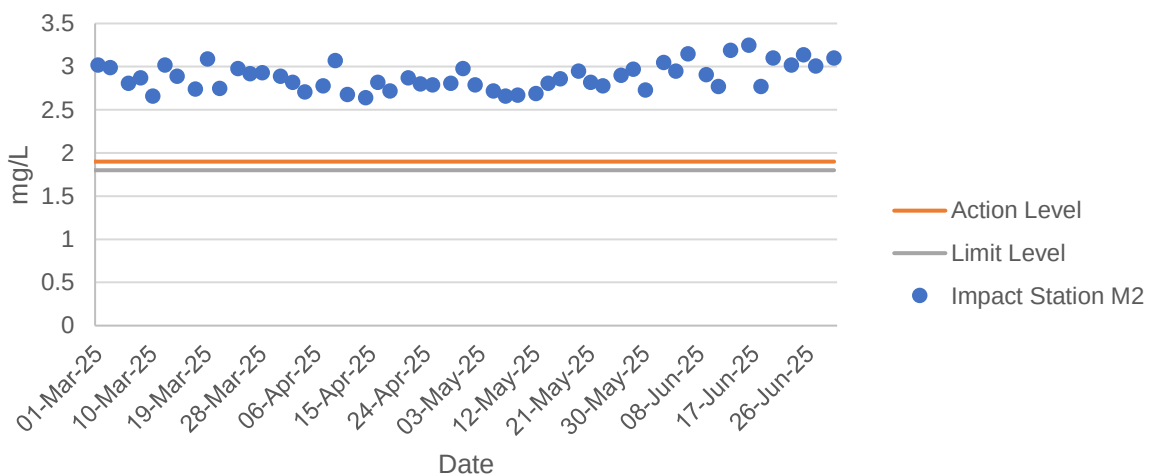
1. Orange and Bold: Action Level Exceedance (For Impact Station Only)
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For Flood Tide						
Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167
For Ebb Tide						
Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

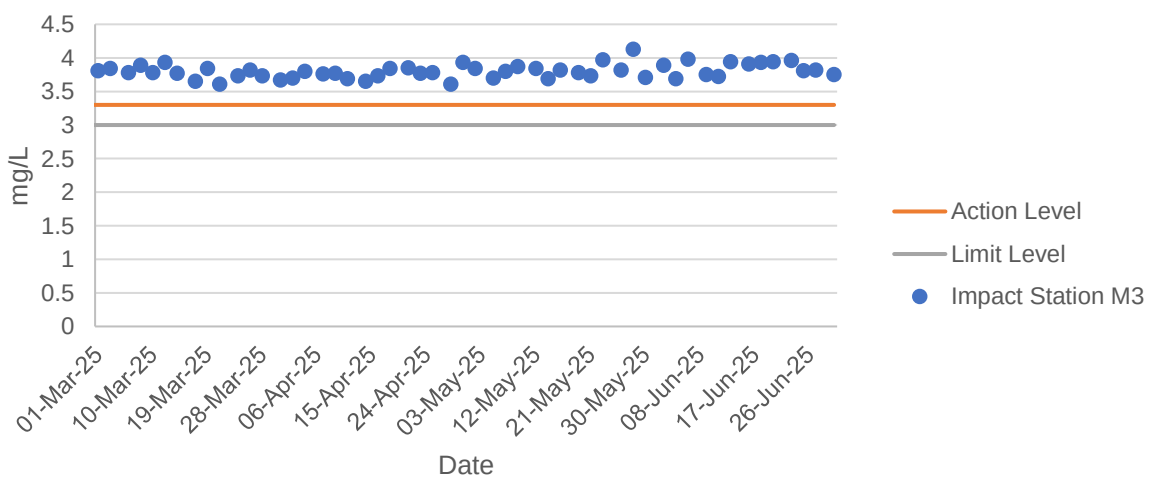
Dissolved Oxygen at Mid-Flood Tide



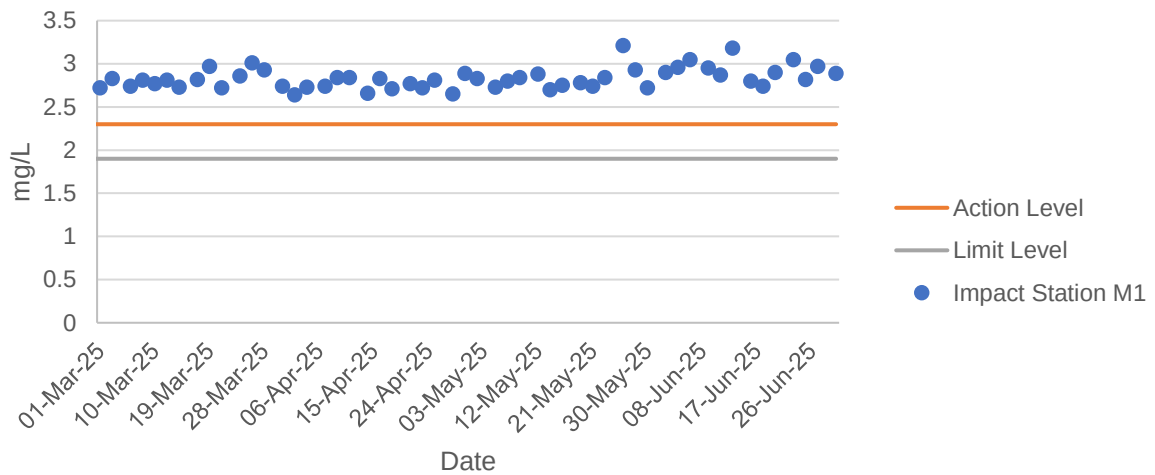
Dissolved Oxygen at Mid-Flood Tide



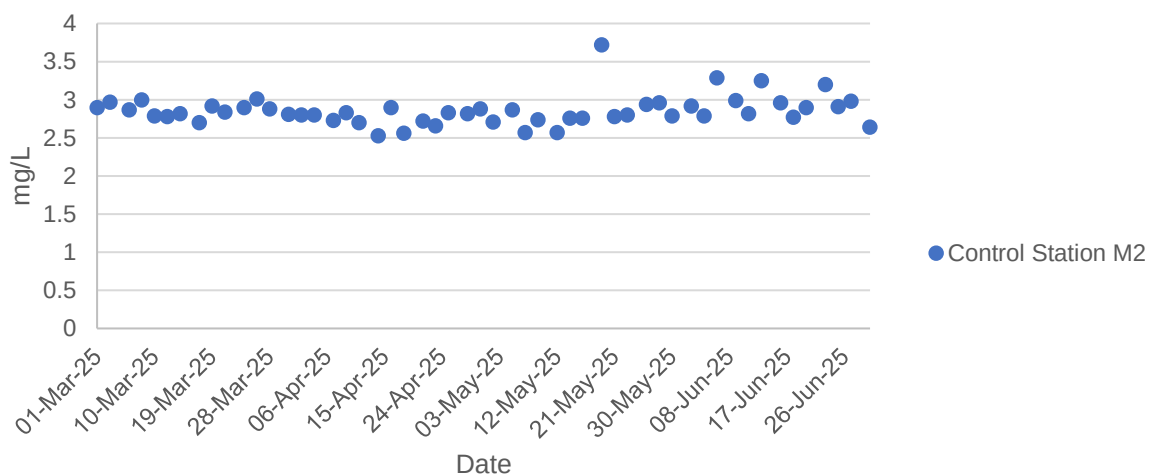
Dissolved Oxygen at Mid-Flood Tide



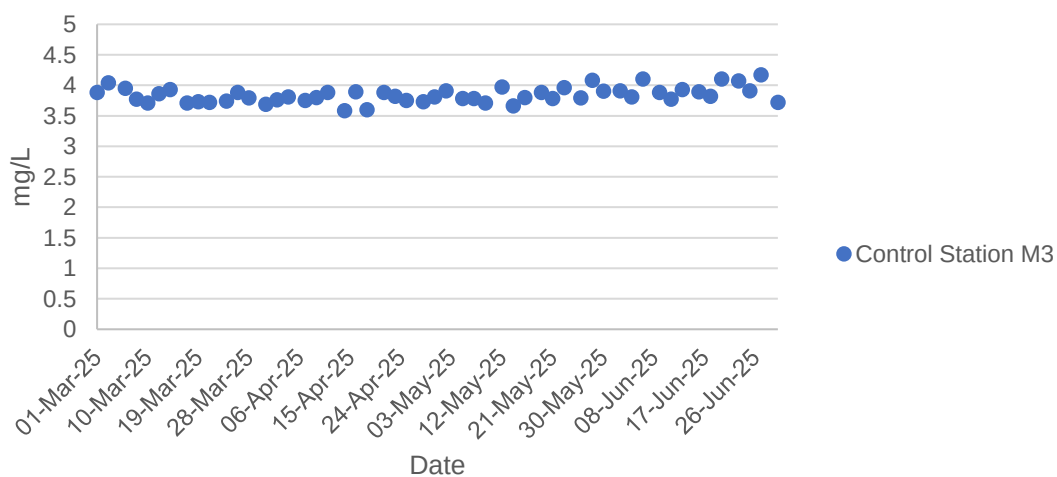
Dissolved Oxygen at Mid-Ebb Tide

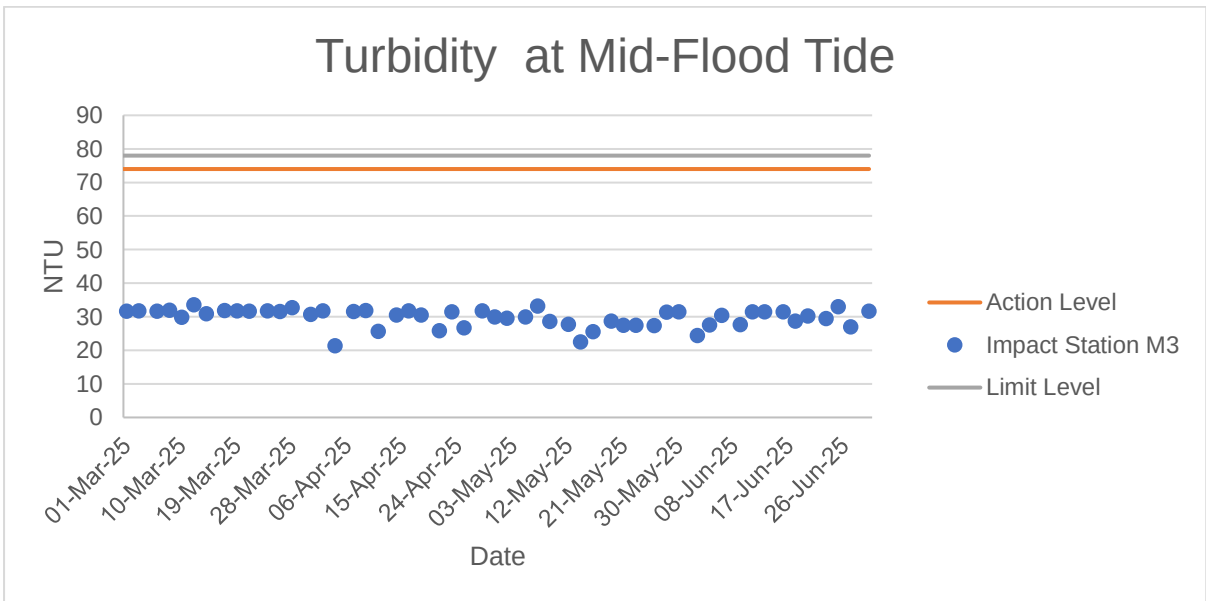
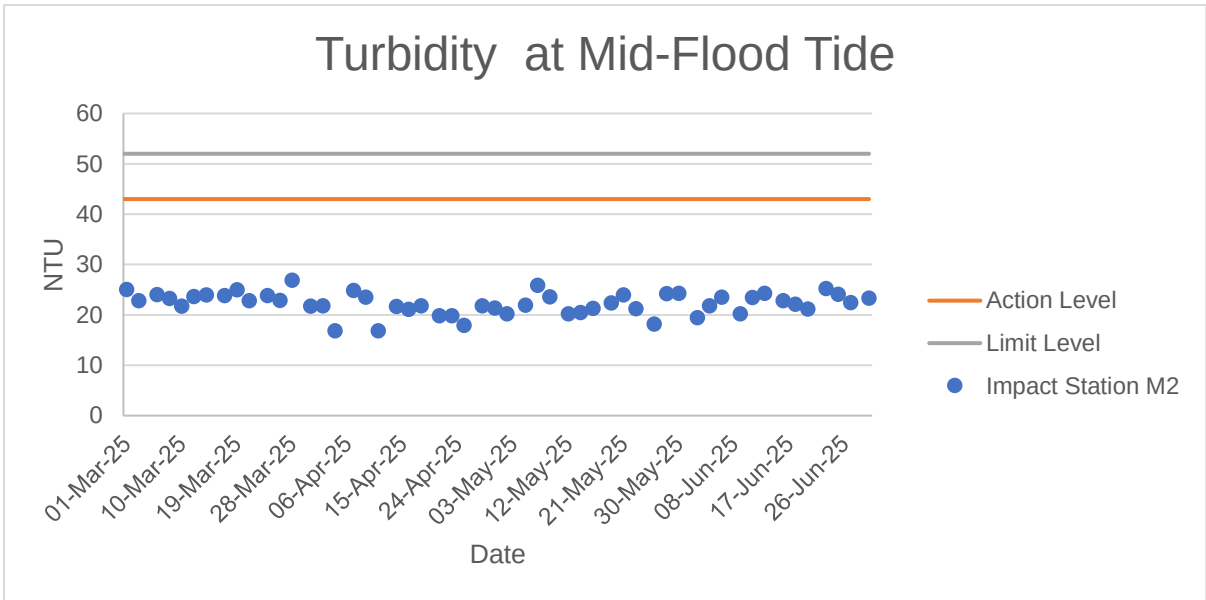
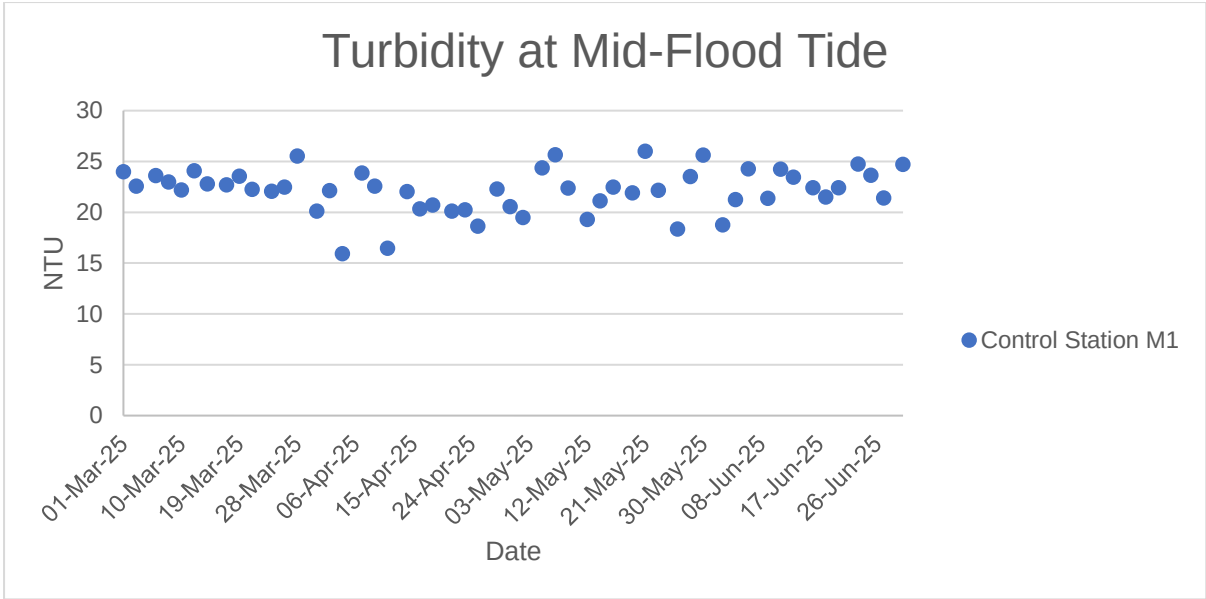


Dissolved Oxygen at Mid-Ebb Tide

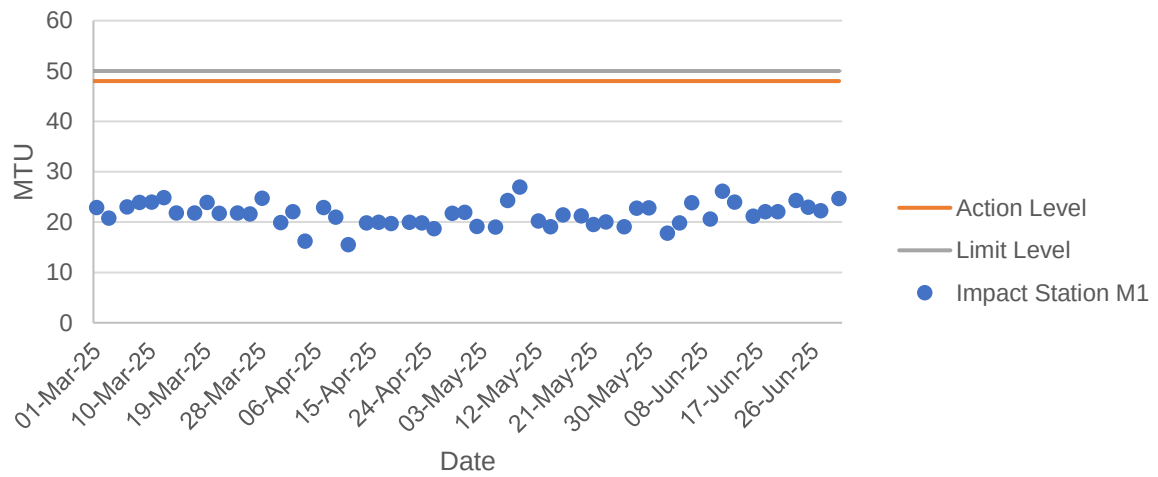


Dissolved Oxygen at Mid-Ebb Tide

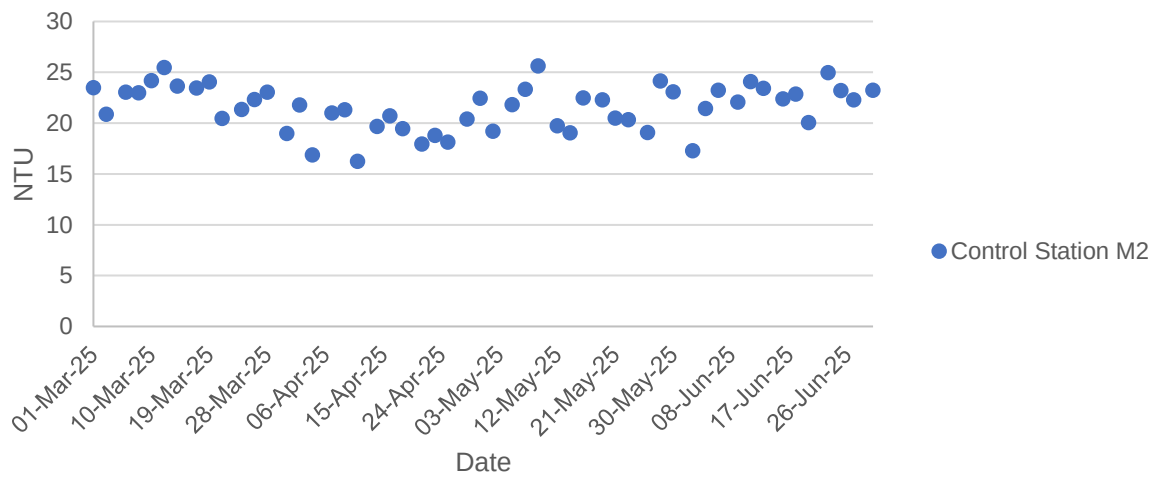




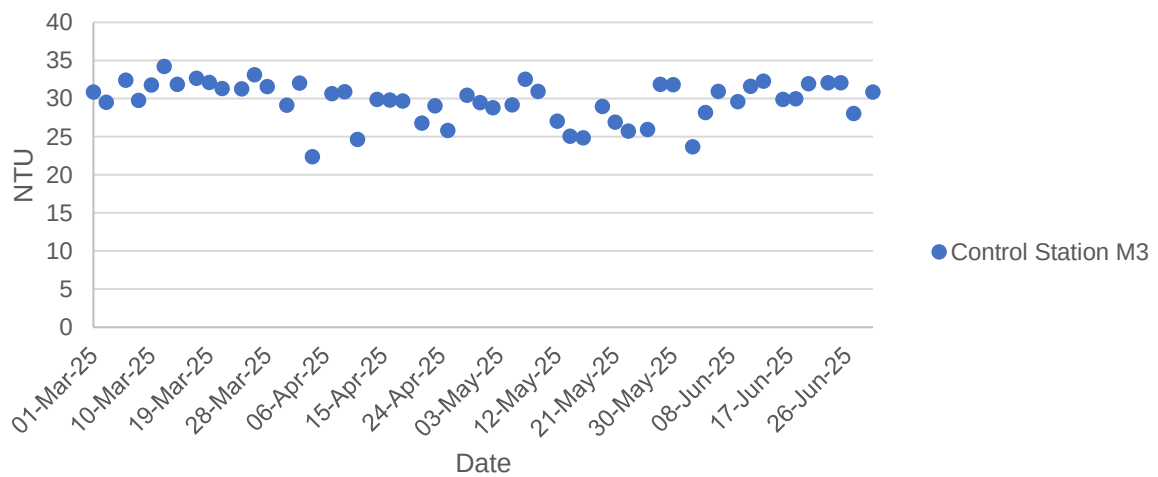
Turbidity at Mid-Ebb Tide



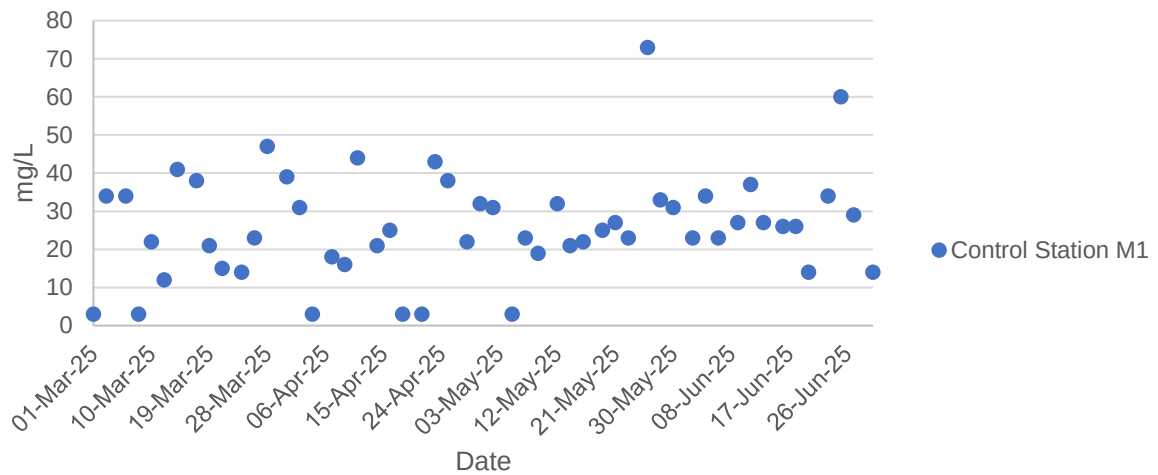
Turbidity at Mid-Ebb Tide



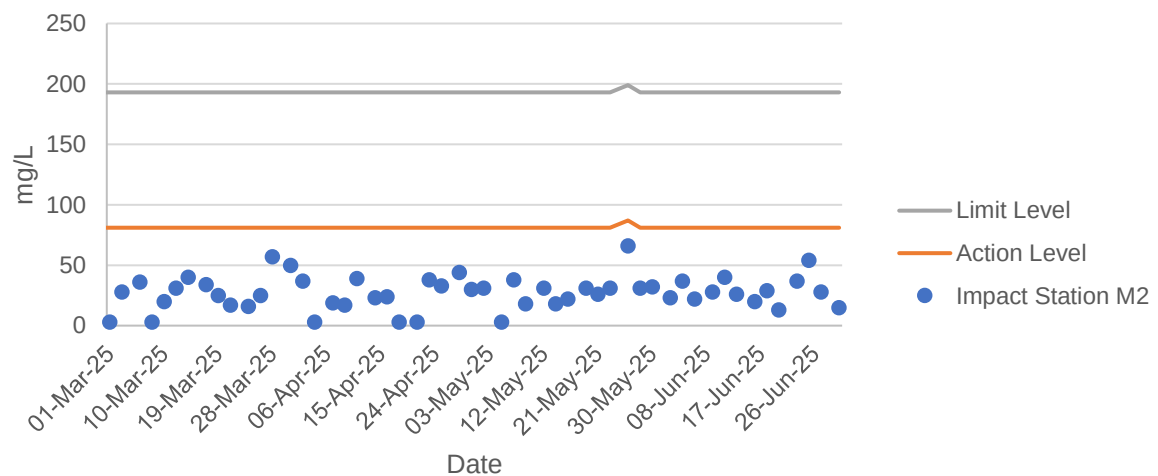
Turbidity at Mid-Ebb Tide



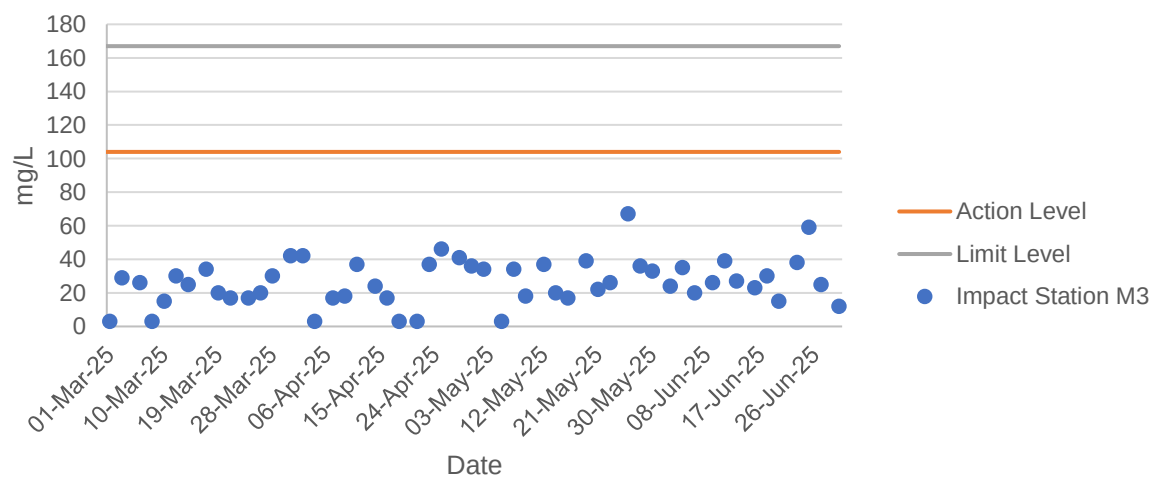
Total Suspended Solids at Mid-Flood Tide



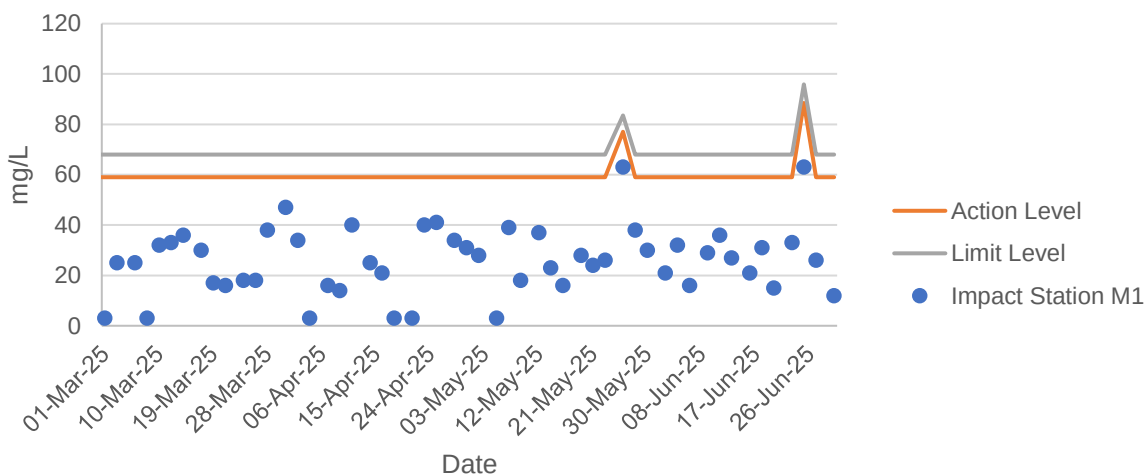
Total Suspended Solids at Mid-Flood Tide



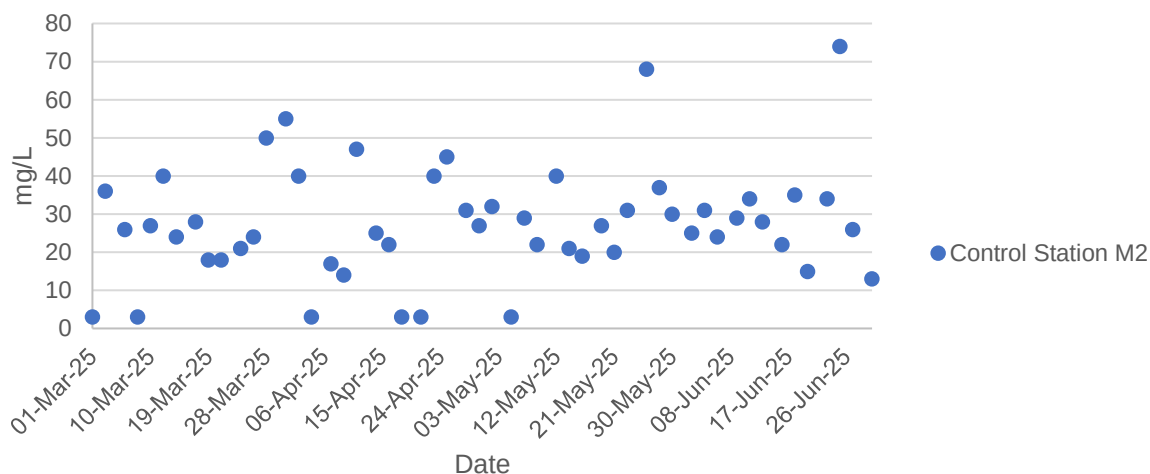
Total Suspended Solids at Mid-Flood Tide



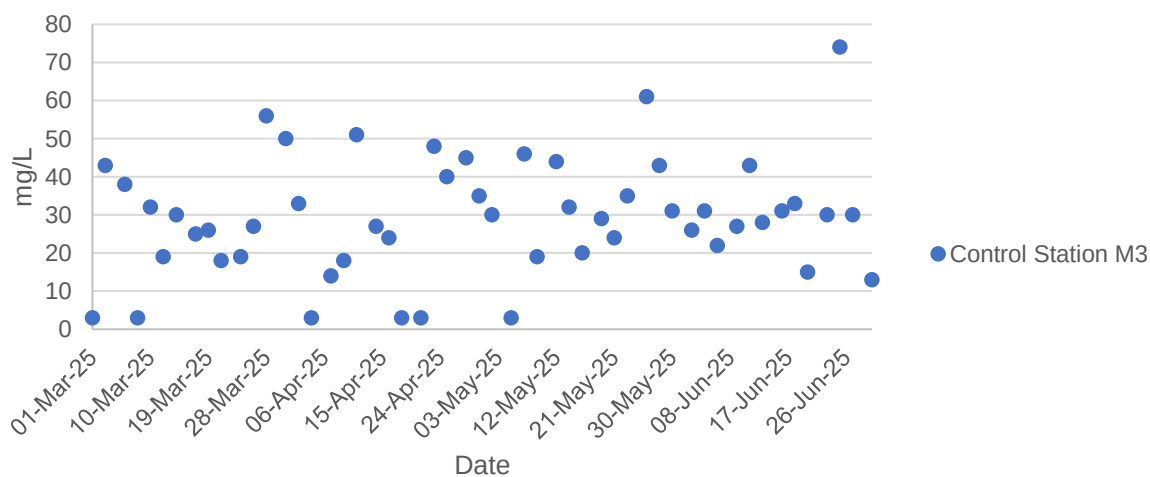
Total Suspended Solids at Mid-Ebb Tide



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 (11 & 18 June 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
18/06/2025	Daytime	Wet	FLW	Point Count	FLW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	18	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	FLW	Point Count	FLW1	Black-winged stilt	<i>Himantopus himantopus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	FLW	Point Count	FLW1	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW1	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
18/06/2025	Daytime	Wet	FLW	Point Count	FLW1	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW1	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW1	Common Myna	<i>Acridotheres tristis</i>	4	Uncommon	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW1	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW1	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW2	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	FLW	Point Count	FLW2	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW2	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW2	Barn Swallow	<i>Hirundo rustica</i>	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW2	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW3	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW3	Crested Myna	<i>Acridotheres cristatellus</i>	3	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW4	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
18/06/2025	Daytime	Wet	FLW	Point Count	FLW4	Spotted Dove	<i>Spilopelia chinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW4	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW4	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW4	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW4	Crested Myna	<i>Acridotheres cristatellus</i>	3	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW4	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW5	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (11 & 18 June 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
18/06/2025	Daytime	Wet	FLW	Point Count	FLW5	Besra	<i>Accipiter virgatus</i>	1	Scarce	R	-	Class II	-	LC	LC	Y	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW5	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
18/06/2025	Daytime	Wet	FLW	Point Count	FLW5	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW5	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW5	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW5	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	5	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW5	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW5	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW5	Black-collared Starling	<i>Gracupica nigricollis</i>	2	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW5	Oriental Magpie Robin	<i>Copsychus saularis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW5	Eurasian Tree Sparrow	<i>Passer montanus</i>	5	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW5	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW6	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	FLW	Point Count	FLW6	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	FLW	Point Count	FLW6	Black-winged stilt	<i>Himantopus himantopus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	FLW	Point Count	FLW6	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	FLW	Point Count	FLW6	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW6	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	2	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW6	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW7	Chinese Pond Heron	<i>Ardeola bacchus</i>	26	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	FLW	Point Count	FLW7	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW7	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW7	Azure-winged Magpie	<i>Cyanopica cyanus</i>	9	Introduced	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW7	Crested Myna	<i>Acridotheres cristatellus</i>	2	Common	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (11 & 18 June 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
18/06/2025	Daytime	Wet	FLW	Point Count	FLW7	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Point Count	FLW7	Oriental Magpie Robin	<i>Copsychus saularis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	NSW1	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
18/06/2025	Daytime	Wet	NSW	Point Count	NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	6	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	NSW1	House Swift	<i>Apus nipalensis</i>	3	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	NSW1	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	NSW	Point Count	NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	NSW1	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	NSW1	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	NSW1	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	NSW1	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	NSW1	Swinhoe's White-eye	<i>Zosterops simplex</i>	3	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	NSW1	White-shouldered Starling	<i>Sturnia sinensis</i>	4	Common	M,W,Su	(LC)	-	-	-	LC	Y	N
18/06/2025	Daytime	Wet	NSW	Point Count	NSW1	Oriental Magpie Robin	<i>Copsychus saularis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Tree Sparrow	<i>Passer montanus</i>	6	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	House Swift	<i>Apus nipalensis</i>	4	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Azure-winged Magpie	<i>Cyanopica cyanus</i>	3	Introduced	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Barn Swallow	<i>Hirundo rustica</i>	4	Abundant	PM,SV	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (11 & 18 June 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
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	2	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	5	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Asian Koel	<i>Eudynamys scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Black Drongo	<i>Dicrurus macrocerus</i>	2	Common	SV	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Azure-winged Magpie	<i>Cyanopica cyanus</i>	2	Introduced	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Crested Myna	<i>Acridotheres cristatellus</i>	3	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Grey Heron	<i>Ardea cinerea</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Great Egret	<i>Ardea alba</i>	7	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Little Egret	<i>Egretta garzetta</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Moorhen	<i>Gallinula chloropus</i>	2	Common	R	-	-	-	LC	LC	N	Y
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Indian Cuckoo	<i>Cuculus micropterus</i>	1	Uncommon	SV	-	-	-	LC	LC	N	N

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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
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	House Swift	<i>Apus nipalensis</i>	15	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Black-collared Starling	<i>Gracupica nigricollis</i>	5	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Oriental Magpie Robin	<i>Copsychus saularis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Transect	FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	FLW	Transect	FLW	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	FLW	Transect	FLW	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	FLW	Transect	FLW	Spotted Dove	<i>Spilopelia chinensis</i>	18	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Transect	FLW	Greater Coucal	<i>Centropus sinensis</i>	2	Common	R	-	Class II	VU	LC	LC	Y	N
18/06/2025	Daytime	Wet	FLW	Transect	FLW	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	FLW	Transect	FLW	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Transect	FLW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	4	Introduced	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Transect	FLW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Transect	FLW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Transect	FLW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Transect	FLW	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Transect	FLW	Swinhoe's White- eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Transect	FLW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Transect	FLW	Scaly-breasted Munia	<i>Lonchura punctulata</i>	15	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Transect	FLW	Sooty-headed Bulbul	<i>Pycnonotus aurigaster</i>	3	Uncommon	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	FLW	Transect	FLW	Hair-crested Drongo	<i>Dicrurus hottentottus</i>	2	Common	PM,SV	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Transect	NSW	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	NSW	Transect	NSW	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (11 & 18 June 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
18/06/2025	Daytime	Wet	NSW	Transect	NSW	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Transect	NSW	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Transect	NSW	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Transect	NSW	Swinhoe's White- eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Transect	NSW	Crested Myna	<i>Acridotheres cristatellus</i>	3	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Transect	NSW	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	NSW	Transect	NSW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Great Egret	<i>Ardea alba</i>	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Little Egret	<i>Egretta garzetta</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
18/06/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
18/06/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Common Moorhen	<i>Gallinula chloropus</i>	2	Common	R	-	-	-	LC	LC	N	Y
18/06/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	House Swift	<i>Apus nipalensis</i>	20	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	5	Introduced	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Large-billed Crow	<i>Corvus macrorhynchos</i>	1	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Swinhoe's White- eye	<i>Zosterops simplex</i>	4	Abundant	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Crested Myna	<i>Acridotheres cristatellus</i>	6	Common	R	-	-	-	LC	LC	N	N
18/06/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
11/06/2025	Night-time	Wet	FLW	Point Count	FLW5	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	1	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
11/06/2025	Night-time	Wet	FLW	Point Count	FLW6	Black-winged stilt	<i>Himantopus himantopus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (11 & 18 June 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
11/06/2025	Night-time	Wet	FLW	Transect	FLW	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	2	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
11/06/2025	Night-time	Wet	FLW	Transect	FLW	Collared Scops Owl	<i>Otus lettia</i>	3	Common	R	-	Class II	-	LC	LC	Y	N
11/06/2025	Night-time	Wet	FLW	Transect	FLW	Savanna Nightjar	<i>Caprimulgus affinis</i>	1	Uncommon	R.PM	-	-	-	DD	-	N	N
11/06/2025	Night-time	Wet	NSW	Transect	NSW	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	3	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
11/06/2025	Night-time	Wet	NSW	Transect	NSW	Black-winged stilt	<i>Himantopus himantopus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y

- 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 (11 & 18 June 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Nycticorax nycticorax</i>	1	0.0032	-5.7301	-0.0186	0.1066
<i>Ardeola bacchus</i>	55	0.1786	-1.7228	-0.3076	0.5300
<i>Ardea cinerea</i>	3	0.0097	-4.6315	-0.0451	0.2089
<i>Ardea alba</i>	9	0.0292	-3.5329	-0.1032	0.3647
<i>Egretta garzetta</i>	10	0.0325	-3.4275	-0.1113	0.3814
<i>Accipiter virgatus</i>	1	0.0032	-5.7301	-0.0186	0.1066
<i>Milvus migrans</i>	1	0.0032	-5.7301	-0.0186	0.1066
<i>Amaurornis phoenicurus</i>	5	0.0162	-4.1207	-0.0669	0.2756
<i>Gallinula chloropus</i>	2	0.0065	-5.0370	-0.0327	0.1647
<i>Himantopus himantopus</i>	8	0.0260	-3.6507	-0.0948	0.3462
<i>Streptopelia decaocto</i>	4	0.0130	-4.3438	-0.0564	0.2450
<i>Spilopelia chinensis</i>	21	0.0682	-2.6856	-0.1831	0.4917
<i>Centropus sinensis</i>	2	0.0065	-5.0370	-0.0327	0.1647
<i>Eudynamys scolopaceus</i>	1	0.0032	-5.7301	-0.0186	0.1066
<i>Cuculus micropterus</i>	1	0.0032	-5.7301	-0.0186	0.1066
<i>Apus nipalensis</i>	22	0.0714	-2.6391	-0.1885	0.4975
<i>Halcyon smyrnensis</i>	2	0.0065	-5.0370	-0.0327	0.1647
<i>Alcedo atthis</i>	1	0.0032	-5.7301	-0.0186	0.1066
<i>Dicrurus macrocercus</i>	2	0.0065	-5.0370	-0.0327	0.1647
<i>Cyanopica cyanus</i>	14	0.0455	-3.0910	-0.1405	0.4343
<i>Pycnonotus jocosus</i>	16	0.0519	-2.9575	-0.1536	0.4544
<i>Pycnonotus sinensis</i>	18	0.0584	-2.8397	-0.1660	0.4713
<i>Hirundo rustica</i>	6	0.0195	-3.9383	-0.0767	0.3022
<i>Prinia flaviventris</i>	5	0.0162	-4.1207	-0.0669	0.2756
<i>Prinia inornata</i>	8	0.0260	-3.6507	-0.0948	0.3462
<i>Orthotomus sutorius</i>	2	0.0065	-5.0370	-0.0327	0.1647
<i>Pterorhinus perspicillatus</i>	5	0.0162	-4.1207	-0.0669	0.2756
<i>Zosterops simplex</i>	3	0.0097	-4.6315	-0.0451	0.2089
<i>Acridotheres cristatellus</i>	19	0.0617	-2.7857	-0.1718	0.4787
<i>Acridotheres tristis</i>	4	0.0130	-4.3438	-0.0564	0.2450
<i>Gracupica nigricollis</i>	25	0.0812	-2.5112	-0.2038	0.5119
<i>Sturnia sinensis</i>	4	0.0130	-4.3438	-0.0564	0.2450
<i>Copsychus saularis</i>	12	0.0390	-3.2452	-0.1264	0.4103
<i>Passer montanus</i>	11	0.0357	-3.3322	-0.1190	0.3966
<i>Motacilla alba</i>	5	0.0162	-4.1207	-0.0669	0.2756
Total	308	1	-144.3524	-3.0435	10.1362
Richness	35				
SS	10.1362				
SQ	9.2632				
H	3.0435				
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 (11 & 18 June 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Nycticorax nycticorax</i>	1	0.0104	-4.5643	-0.0475	0.2170
<i>Ardeola bacchus</i>	55	0.5729	-0.5570	-0.3191	0.1778
<i>Ardea cinerea</i>	3	0.0313	-3.4657	-0.1083	0.3754
<i>Ardea alba</i>	9	0.0938	-2.3671	-0.2219	0.5253
<i>Egretta garzetta</i>	10	0.1042	-2.2618	-0.2356	0.5329
<i>Accipiter virgatus</i>	1	0.0104	-4.5643	-0.0475	0.2170
<i>Milvus migrans</i>	1	0.0104	-4.5643	-0.0475	0.2170
<i>Himantopus himantopus</i>	8	0.0833	-2.4849	-0.2071	0.5146
<i>Centropus sinensis</i>	2	0.0208	-3.8712	-0.0807	0.3122
<i>Halcyon smyrnensis</i>	2	0.0208	-3.8712	-0.0807	0.3122
<i>Sturnia sinensis</i>	4	0.0417	-3.1781	-0.1324	0.4208
Total	96	1	-35.7500	-1.5284	3.8222
Richness	11				
SS	3.8222				
SQ	2.3359				
H	1.5284				
S ² H	0.01602				

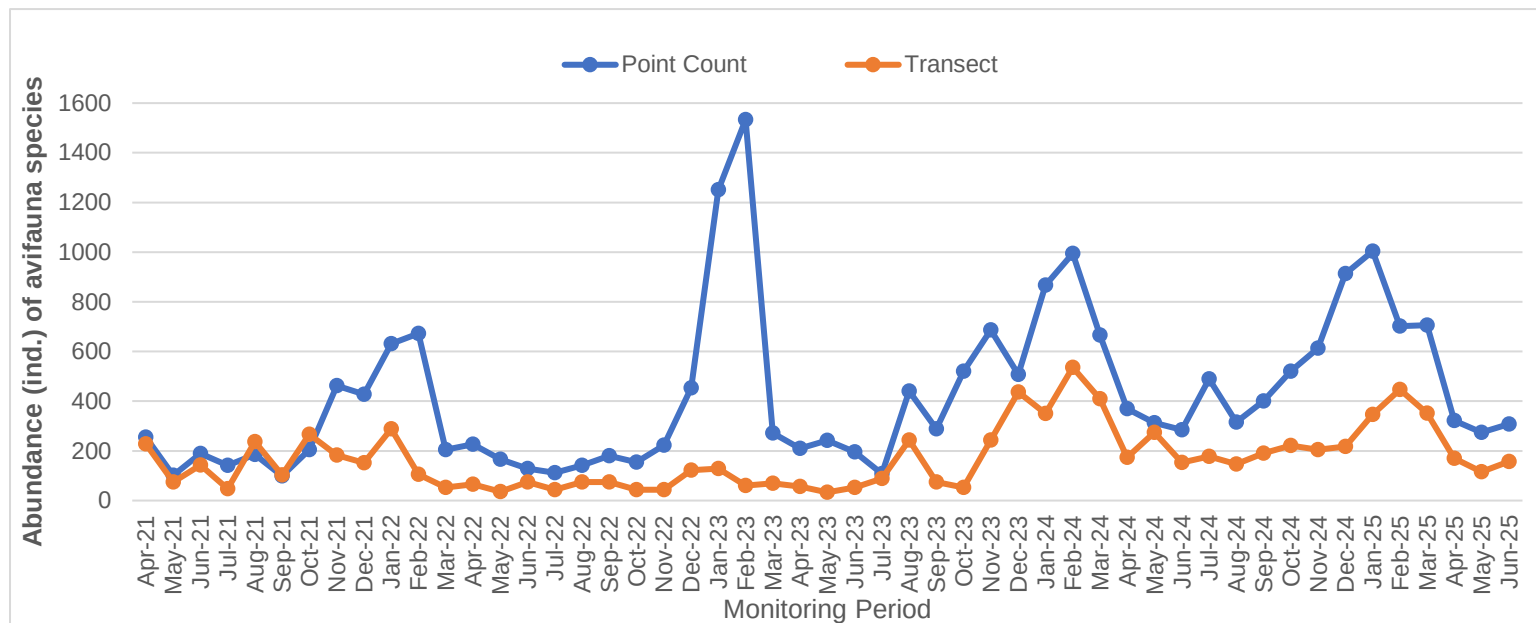
**Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method)
in All Habitats (11 & 18 June 2025)**

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Nycticorax nycticorax</i>	5	0.0318	-3.4468	-0.1098	0.3784
<i>Ardeola bacchus</i>	10	0.0637	-2.7537	-0.1754	0.4830
<i>Ardea cinerea</i>	1	0.0064	-5.0562	-0.0322	0.1628
<i>Ardea alba</i>	3	0.0191	-3.9576	-0.0756	0.2993
<i>Egretta garzetta</i>	5	0.0318	-3.4468	-0.1098	0.3784
<i>Milvus migrans</i>	2	0.0127	-4.3631	-0.0556	0.2425
<i>Amaurornis phoenicurus</i>	1	0.0064	-5.0562	-0.0322	0.1628
<i>Gallinula chloropus</i>	2	0.0127	-4.3631	-0.0556	0.2425
<i>Himantopus himantopus</i>	4	0.0255	-3.6700	-0.0935	0.3431
<i>Spilopelia chinensis</i>	18	0.1146	-2.1659	-0.2483	0.5378
<i>Centropus sinensis</i>	2	0.0127	-4.3631	-0.0556	0.2425
<i>Otus lettia</i>	3	0.0191	-3.9576	-0.0756	0.2993
<i>Caprimulgus affinis</i>	1	0.0064	-5.0562	-0.0322	0.1628
<i>Apus nipalensis</i>	20	0.1274	-2.0605	-0.2625	0.5409
<i>Halcyon smyrnensis</i>	1	0.0064	-5.0562	-0.0322	0.1628
<i>Lanius schach</i>	1	0.0064	-5.0562	-0.0322	0.1628
<i>Dicrurus hottentottus</i>	2	0.0127	-4.3631	-0.0556	0.2425
<i>Cyanopica cyanus</i>	9	0.0573	-2.8590	-0.1639	0.4686
<i>Corvus macrorhynchos</i>	1	0.0064	-5.0562	-0.0322	0.1628
<i>Parus minor</i>	4	0.0255	-3.6700	-0.0935	0.3431
<i>Pycnonotus jocosus</i>	2	0.0127	-4.3631	-0.0556	0.2425
<i>Pycnonotus sinensis</i>	4	0.0255	-3.6700	-0.0935	0.3431
<i>Pycnonotus aurigaster</i>	3	0.0191	-3.9576	-0.0756	0.2993
<i>Prinia flaviventris</i>	1	0.0064	-5.0562	-0.0322	0.1628
<i>Prinia inornata</i>	4	0.0255	-3.6700	-0.0935	0.3431
<i>Pterorhinus perspicillatus</i>	5	0.0318	-3.4468	-0.1098	0.3784
<i>Zosterops simplex</i>	8	0.0510	-2.9768	-0.1517	0.4515
<i>Acridotheres cristatellus</i>	9	0.0573	-2.8590	-0.1639	0.4686
<i>Gracupica nigricollis</i>	8	0.0510	-2.9768	-0.1517	0.4515
<i>Copsychus saularis</i>	2	0.0127	-4.3631	-0.0556	0.2425
<i>Lonchura punctulata</i>	15	0.0955	-2.3482	-0.2243	0.5268
<i>Motacilla alba</i>	1	0.0064	-5.0562	-0.0322	0.1628
Total	157	1	-124.5216	-3.0630	10.0920
Richness	32				
SS	10.0920				
SQ	9.3821				
H	3.0630				
S ² H	0.005150				

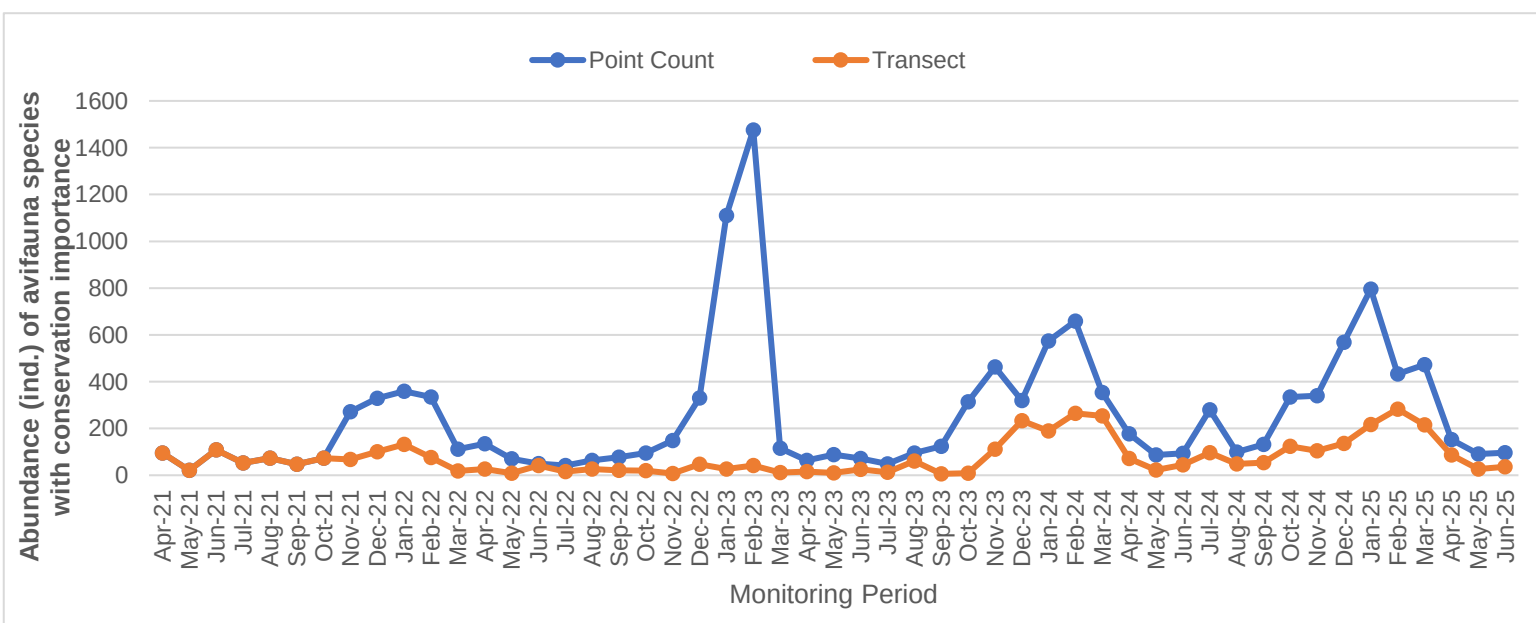
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (11 & 18 June 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Nycticorax nycticorax</i>	5	0.1389	-1.9741	-0.2742	0.5412
<i>Ardeola bacchus</i>	10	0.2778	-1.2809	-0.3558	0.4558
<i>Ardea cinerea</i>	1	0.0278	-3.5835	-0.0995	0.3567
<i>Ardea alba</i>	3	0.0833	-2.4849	-0.2071	0.5146
<i>Egretta garzetta</i>	5	0.1389	-1.9741	-0.2742	0.5412
<i>Milvus migrans</i>	2	0.0556	-2.8904	-0.1606	0.4641
<i>Himantopus himantopus</i>	4	0.1111	-2.1972	-0.2441	0.5364
<i>Centropus sinensis</i>	2	0.0556	-2.8904	-0.1606	0.4641
<i>Otus lettia</i>	3	0.0833	-2.4849	-0.2071	0.5146
<i>Halcyon smyrnensis</i>	1	0.0278	-3.5835	-0.0995	0.3567
Total	36	1	-25.3439	-2.0827	4.7455
Richness	10				
SS	4.7455				
SQ	4.3376				
H	2.0827				
S ² H	0.01480				

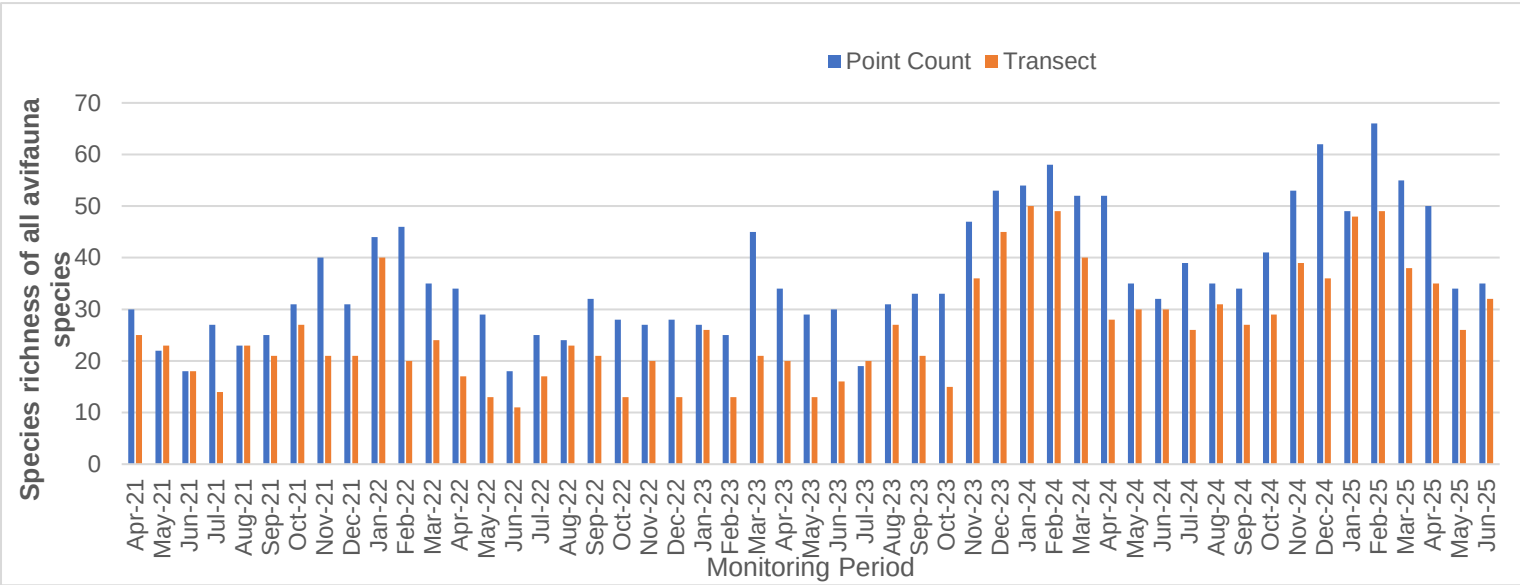
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



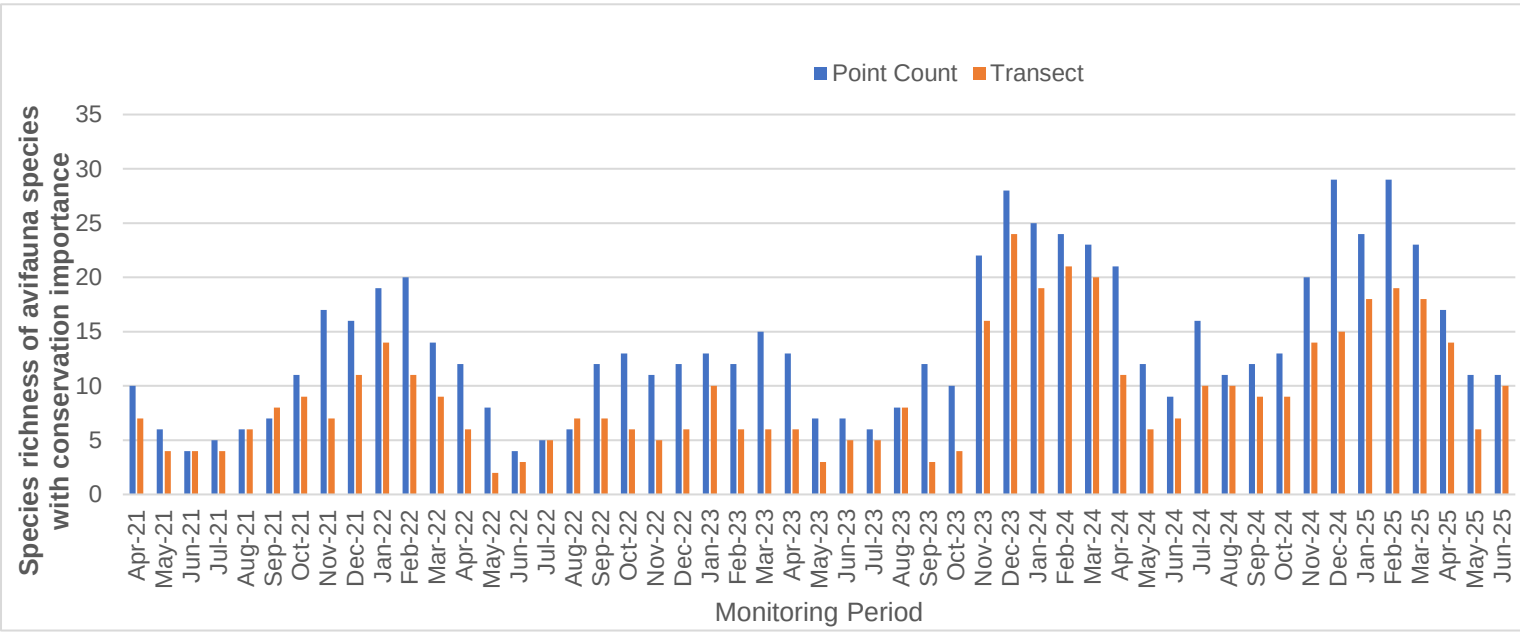
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



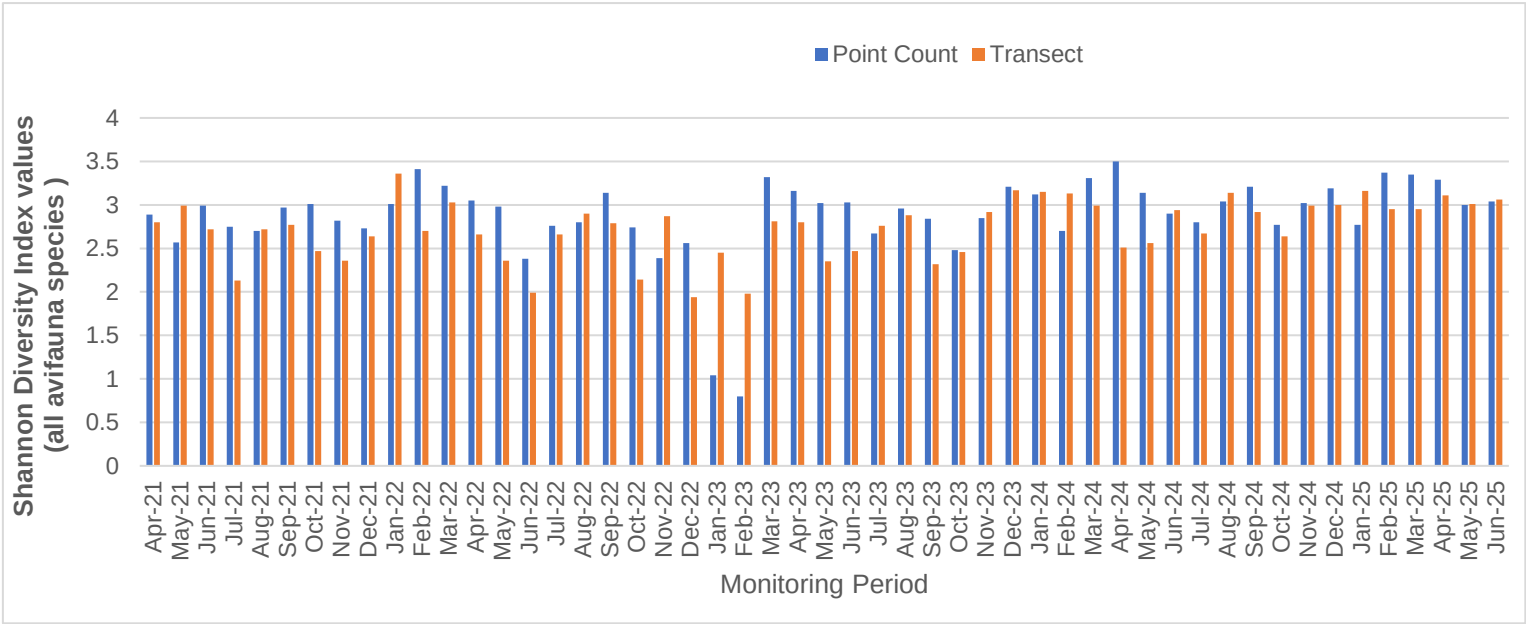
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



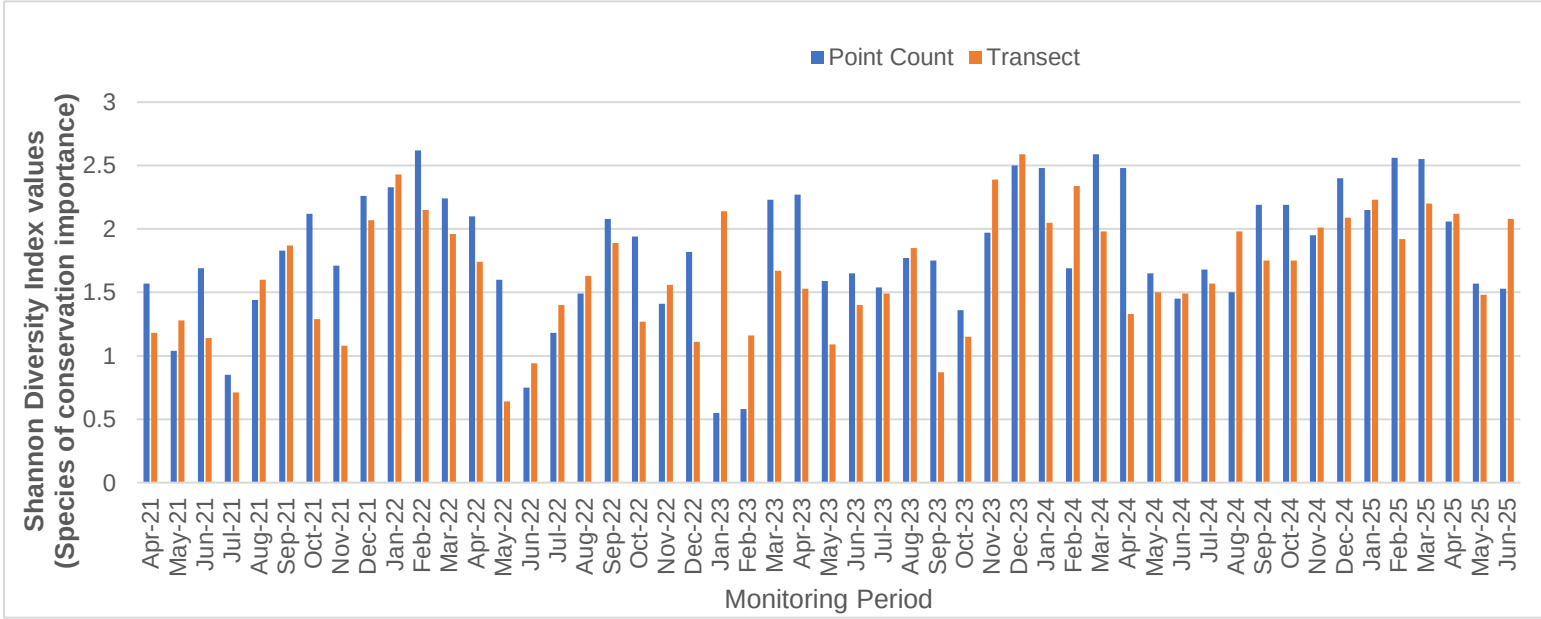
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



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	June 2017	June 2025
Total	121	308
Richness	25	35
H	2.8670	3.0435
S ² H	0.006152	0.003014
t	1.8446	
df	245.4415	
Crit	1.9697	
p	6.63E-02	
CI	0.1569	0.1098

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

Months	June 2017	June 2025
Total	69	157
Richness	13	32
H	2.0883	3.0630
S ² H	0.01170	0.005150
t	7.5087	
df	131.8817	
Crit	1.9782	
p	8.20E-12	
CI	0.2163	0.1435

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

Months	June 2017	June 2025
Total	45	96
Richness	5	11
H	1.4282	1.5284
S ² H	0.007418	0.016024
t	0.6545	
df	140.9952	
Crit	1.9771	
p	5.14E-01	
CI	0.1723	0.2532

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

Months	June 2017	June 2025
Total	40	36
Richness	3	10
H	1.0397	2.0827
S ² H	0.00363	0.01480
t	7.6826	
df	52.9464	
Crit	2.0066	
p	4.05E-10	
CI	0.1205	0.2433