

Air Quality Monitoring Results

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

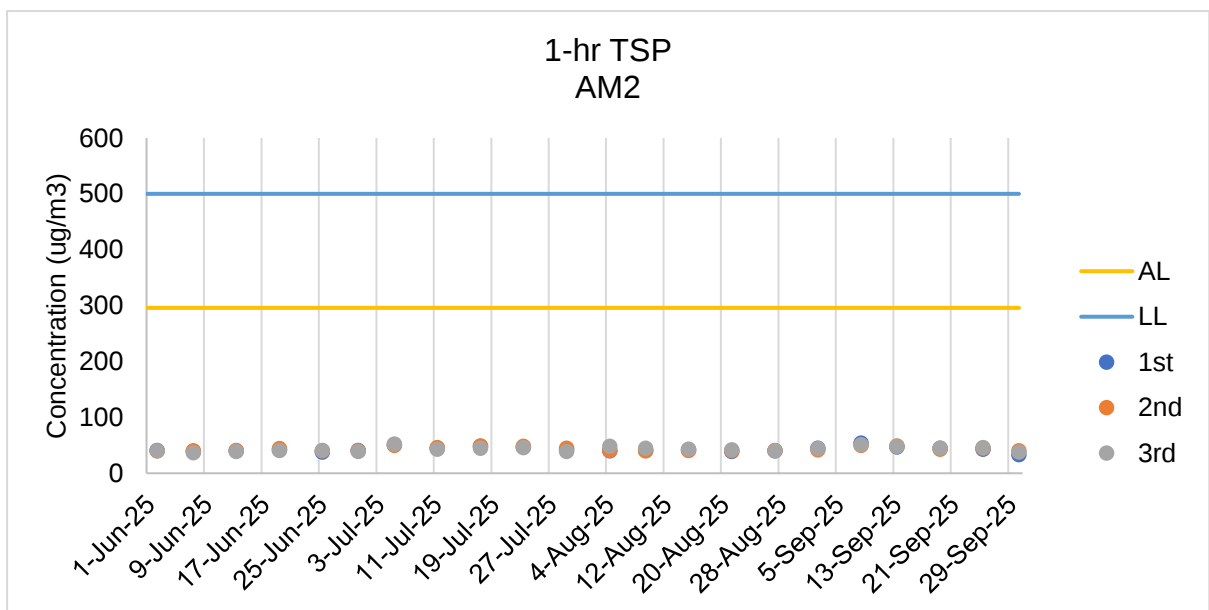
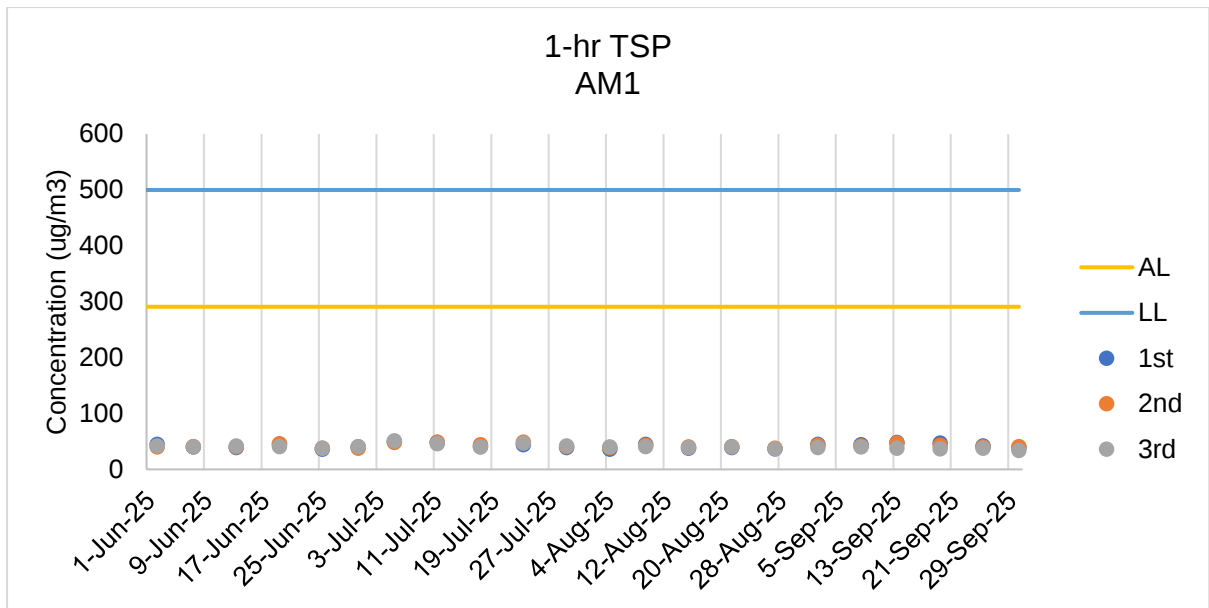
AM1 - Topline Machinery (China) Co. Ltd.			1-hour TSP (µg/m³)			Action Level (ug/m³)	Limit Level (ug/m³)
Date	Weather Condition	Start Time	1st Measurement	2nd Measurement	3rd Measurement		
2/9/2025	Fine	8:12	45	43	39	291	500
8/9/2025	Fine	8:22	44	42	40		
13/9/2025	Fine	8:10	48	47	38		
19/9/2025	Fine	8:21	47	43	37		
25/9/2025	Fine	8:11	42	40	38		
30/9/2025	Fine	8:02	39	41	34		
		Min	34				
		Max	48				
		Average	42				

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		
2/9/2025	Fine	13:21	45	42	44	296	500
8/9/2025	Fine	13:10	54	50	51		
13/9/2025	Fine	13:22	47	49	48		
19/9/2025	Fine	13:21	45	43	45		
25/9/2025	Fine	13:22	43	45	46		
30/9/2025	Fine	14:02	33	40	38		
			Min 33				
			Max 54				
			Average 45				

Note:

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



Air Quality Monitoring Results

Noise Monitoring Results

**Noise Impact Monitoring Result for
Contract No. SPW 01/2025
Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1**

CM1 - Squatter house to the north of YLSTW

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
2/9/2025	8:40	56.0	57.8	55.2	0.9	sunny	75
8/9/2025	8:49	57.5	59.4	56.4	4.5	sunny	75
19/9/2025	8:52	59.0	61.5	57.0	0.0	sunny	75
25/9/2025	8:43	61.2	62.9	59.1	0.2	sunny	75
30/9/2025	8:31	60.0	61.1	58.2	0.0	sunny	75
	Max	61.2					
	Min	56.0					

CM2 - Squatter house to the west of YLSTW

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
2/9/2025	13:21	56.5	58.5	55.5	0.0	sunny	75
8/9/2025	13:10	61.0	60.5	59.4	1.0	sunny	75
19/9/2025	13:21	57.8	58.5	56.5	1.0	sunny	75
25/9/2025	13:22	58.4	60.1	57.4	0.1	sunny	75
30/9/2025	14:02	57.5	58.9	56.1	0.0	sunny	75
	Max	61.0					
	Min	56.5					

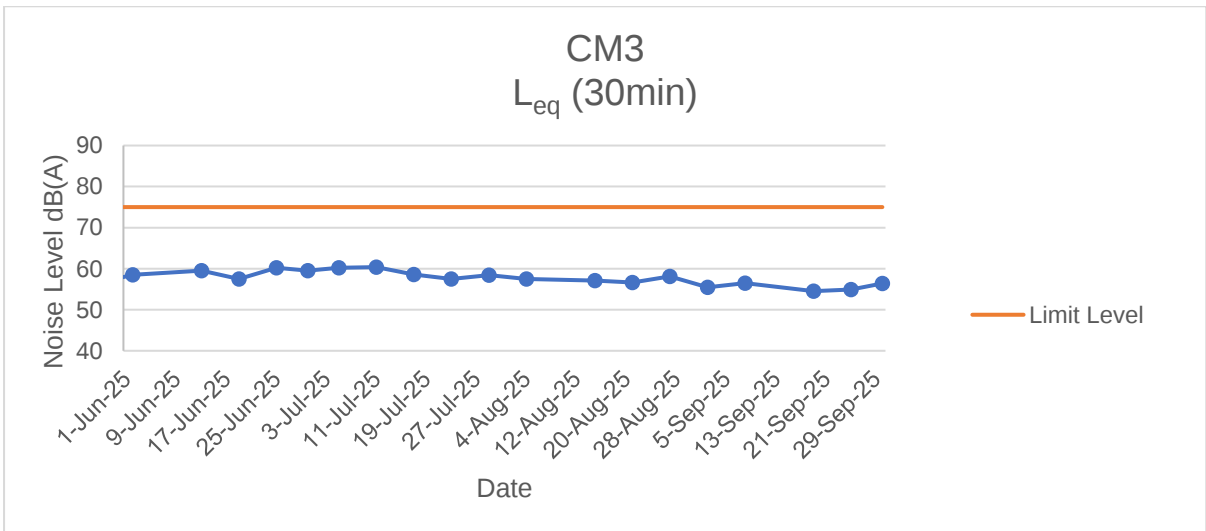
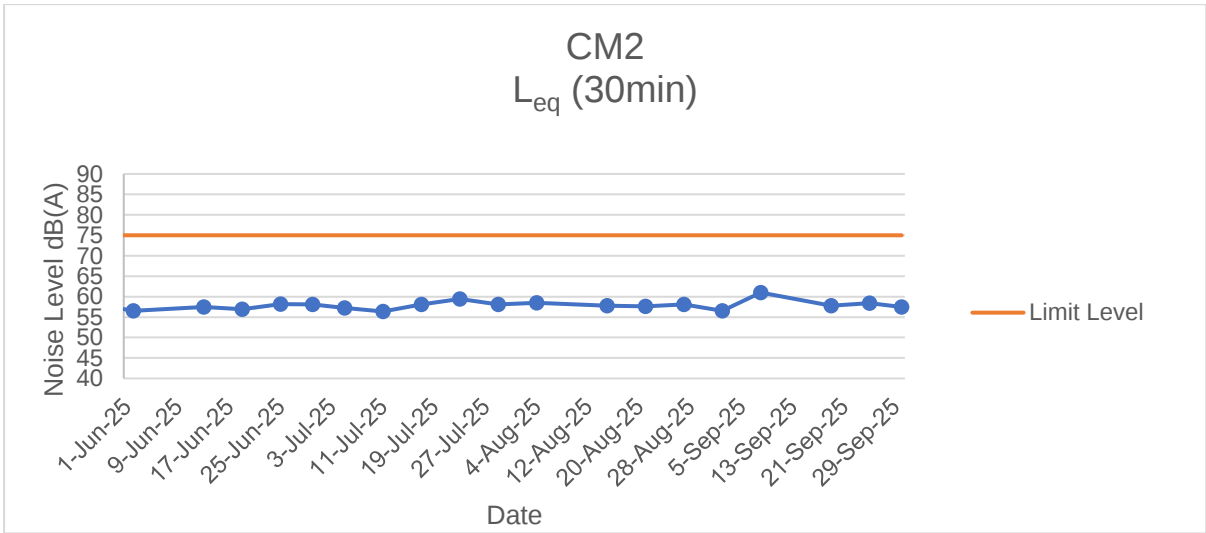
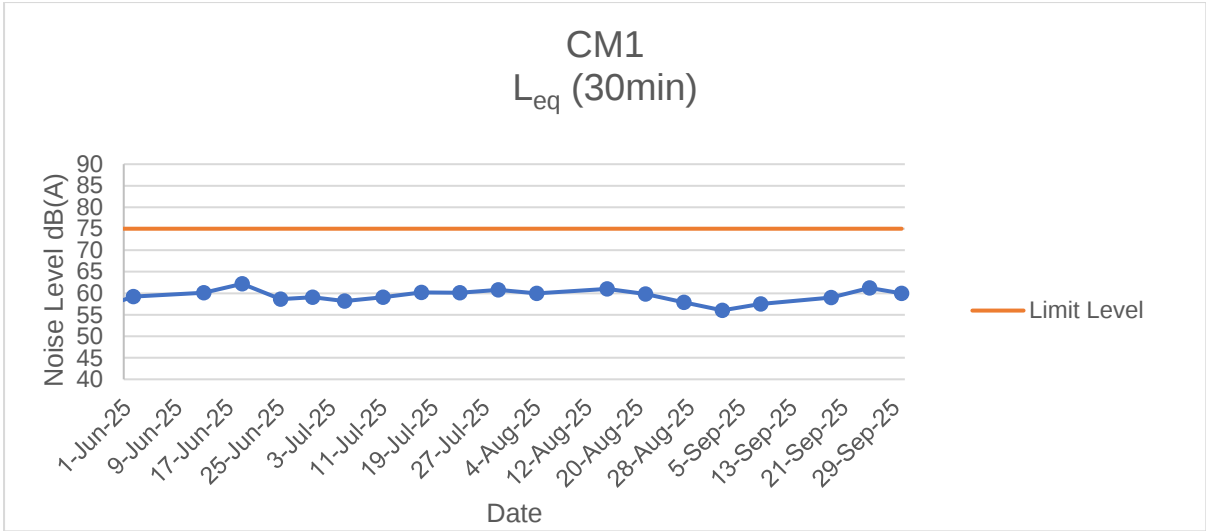
CM3 - Squatter house to the east of YLSTW

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)
2/9/2025	10:01	55.5	56.4	53.2	2.8	sunny	75
8/9/2025	10:18	56.5	58.5	54.5	1.6	sunny	75
19/9/2025	10:22	54.5	56.7	52.3	0.1	sunny	75
25/9/2025	10:07	54.9	56.8	53.1	0.2	sunny	75
30/9/2025	10:04	56.4	58.4	55.4	0.0	sunny	75
	Max	56.5					
	Min	54.5					

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 01/2025 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	2/9/2025	Mid-Flood	Sunny	Low	8:37	2.5	M	1.25	1	0.089	173.775	7.17	7.17	3.09	3.05	28.1	28.10	36.0	35.95	2.67	2.67	22.52	22.42	19	20
M1	2/9/2025	Mid-Flood	Sunny	Low	8:37	2.5	M	1.25	2			7.16	7.17	3.01	3.05	28.1	28.10	35.9	35.95	2.66	2.67	22.32	22.42	21	20
M2	2/9/2025	Mid-Flood	Sunny	Low	9:03	2.2	M	1.10	1	0.087	165.736	7.13	7.14	2.93	2.97	28.1	28.15	38.2	37.80	2.83	2.80	23.53	23.325	24	24
M2	2/9/2025	Mid-Flood	Sunny	Low	9:03	2.2	M	1.10	2			7.14	7.14	3	2.97	28.2	28.15	37.4	37.80	2.77	2.80	23.12	23.325	24	24
M3	2/9/2025	Mid-Flood	Sunny	Low	9:16	2.1	M	1.05	1	0.078	172.309	7.2	7.21	3.43	3.40	28.1	28.10	51.7	50.70	3.83	3.76	29.04	29.21	25	29
M3	2/9/2025	Mid-Flood	Sunny	Low	9:16	2.1	M	1.05	2			7.21	7.21	3.36	3.40	28.1	28.10	49.7	50.70	3.68	3.76	29.38	29.21	32	29
M1	2/9/2025	Mid-Ebb	Sunny	Low	14:55	2.4	M	1.20	1	0.075	331.04	7.18	7.17	2.99	2.96	28.3	28.30	37.7	38.45	2.79	2.85	21.13	21.05	22	21
M1	2/9/2025	Mid-Ebb	Sunny	Low	14:55	2.4	M	1.20	2			7.16	7.17	2.93	2.96	28.3	28.30	39.2	38.45	2.9	2.85	20.97	21.05	19	21
M2	2/9/2025	Mid-Ebb	Sunny	Low	14:23	2.1	M	1.05	1	0.058	302.227	7.19	7.20	3.13	3.13	28.3	28.30	37.1	36.35	2.75	2.70	23.32	23.15	25	27
M2	2/9/2025	Mid-Ebb	Sunny	Low	14:23	2.1	M	1.05	2			7.2	7.20	3.12	3.13	28.3	28.30	35.6	36.35	2.64	2.70	22.98	23.15	29	27
M3	2/9/2025	Mid-Ebb	Sunny	Low	15:05	2	M	1.00	1	0.065	311.283	7.19	7.18	3.81	3.85	28.3	28.30	51.3	51.15	3.8	3.79	30.99	31.04	27	27
M3	2/9/2025	Mid-Ebb	Sunny	Low	15:05	2	M	1.00	2			7.17	7.18	3.89	3.85	28.3	28.30	51.0	51.15	3.78	3.79	31.09	31.04	26	27

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 01/2025 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	4/9/2025	Mid-Flood	Sunny	Low	10:54	2.5	M	1.25	1	0.083	182.682	7.12	7.12	3.24	3.20	28.6	28.65	38.9	38.00	2.88	2.82	24.21	24.28	23	28
M1	4/9/2025	Mid-Flood	Sunny	Low	10:54	2.5	M	1.25	2			7.11	7.11	3.16	3.20	28.7	28.65	37.1	38.00	2.75	2.82	24.35	24.28	33	28
M2	4/9/2025	Mid-Flood	Sunny	Low	11:24	2.2	M	1.10	1	0.083	170.686	7.11	7.11	3.29	3.28	28.6	28.60	39.6	39.45	2.93	2.92	23.39	23.44	37	40
M2	4/9/2025	Mid-Flood	Sunny	Low	11:24	2.2	M	1.10	2			7.1	7.11	3.26	3.28	28.6	28.60	39.3	39.45	2.91	2.92	23.49	23.44	43	40
M3	4/9/2025	Mid-Flood	Sunny	Low	11:36	2.1	M	1.05	1	0.085	188.915	7.18	7.19	4.05	4.06	28.6	28.65	53.3	54.00	3.95	4.00	31.26	31.365	38	36
M3	4/9/2025	Mid-Flood	Sunny	Low	11:36	2.1	M	1.05	2			7.19	7.19	4.06	4.06	28.7	28.65	54.7	54.00	4.05	4.00	31.47	31.365	33	36
M1	4/9/2025	Mid-Ebb	Sunny	Low	16:42	2.4	M	1.20	1	0.058	320.469	7.13	7.14	3.17	3.15	28.4	28.40	38.9	39.30	2.88	2.91	23.96	24	42	41
M1	4/9/2025	Mid-Ebb	Sunny	Low	16:42	2.4	M	1.20	2			7.14	7.14	3.12	3.15	28.4	28.40	39.7	39.30	2.94	2.91	24.04	24	39	41
M2	4/9/2025	Mid-Ebb	Sunny	Low	16:10	2.2	M	1.10	1	0.069	335.864	7.14	7.15	3.22	3.21	28.4	28.40	36.6	36.65	2.71	2.72	24.22	24.06	44	42
M2	4/9/2025	Mid-Ebb	Sunny	Low	16:10	2.2	M	1.10	2			7.16	7.15	3.19	3.21	28.4	28.40	36.7	36.65	2.72	2.72	23.9	24.06	39	42
M3	4/9/2025	Mid-Ebb	Sunny	Low	16:55	1.9	M	0.95	1	0.072	328.961	7.17	7.18	3.99	4.02	28.4	28.40	51.7	52.05	3.83	3.86	31.92	31.905	43	39
M3	4/9/2025	Mid-Ebb	Sunny	Low	16:55	1.9	M	0.95	2			7.18	7.18	4.04	4.02	28.4	28.40	52.4	52.05	3.88	3.86	31.89	31.905	35	39

Remark

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

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

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

Contract No. SPW 01/2025 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	9/9/2025	Mid-Flood	Cloudy	Low	14:19	2.5	M	1.25	1	0.08	174.899	7.2	7.19	2.95	2.98	27.5	27.50	37.4	37.65	2.77	2.79	24.58	24.44	2.5	3
M1	9/9/2025	Mid-Flood	Cloudy	Low	14:19	2.5	M	1.25	2			7.18		3		27.5		37.9		2.81		24.3		2.5	
M2	9/9/2025	Mid-Flood	Cloudy	Low	14:50	2.2	M	1.10	1	0.091	166.378	7.17	7.18	2.90	2.92	27.5	27.55	37.9	37.40	2.81	2.77	25.47	25.61	3	3
M2	9/9/2025	Mid-Flood	Cloudy	Low	14:51	2.2	M	1.10	2			7.18		2.93		27.6		36.9		2.73		25.75		3	
M3	9/9/2025	Mid-Flood	Cloudy	Low	15:01	2.1	M	1.05	1	0.082	189.407	7.2	7.19	3.38	3.39	27.5	27.50	51.6	50.85	3.82	3.77	29.34	29.265	2.5	3
M3	9/9/2025	Mid-Flood	Cloudy	Low	15:01	2.1	M	1.05	2			7.18		3.4		27.5		50.1		3.71		29.19		4	
M1	9/9/2025	Mid-Ebb	Cloudy	Low	8:38	2.4	M	1.20	1	0.067	332.865	7.14	7.13	2.78	2.76	27.5	27.50	37.7	37.70	2.79	2.79	26.03	25.82	2.5	3
M1	9/9/2025	Mid-Ebb	Cloudy	Low	8:38	2.4	M	1.20	2			7.12		2.74		27.5		37.7		2.79		25.61		2.5	
M2	9/9/2025	Mid-Ebb	Cloudy	Low	8:00	2.1	M	1.05	1	0.063	309.983	7.19	7.20	2.80	2.85	27.5	27.55	38.9	39.15	2.88	2.90	25.34	25.26	3	3
M2	9/9/2025	Mid-Ebb	Cloudy	Low	8:01	2.1	M	1.05	2			7.21		2.89		27.6		39.4		2.92		25.18		2.5	
M3	9/9/2025	Mid-Ebb	Cloudy	Low	8:49	2	M	1.00	1	0.065	300.88	7.18	7.18	3.59	3.60	27.5	27.50	52.2	51.35	3.87	3.81	31.85	31.675	3	3
M3	9/9/2025	Mid-Ebb	Cloudy	Low	8:49	2	M	1.00	2			7.17		3.6		27.5		50.5		3.74		31.5		2.5	

Remark

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

For Flood Tide

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

For Ebb Tide

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

Contract No. SPW 01/2025 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	9/9/2025	Mid-Flood	Cloudy	Low	14:19	2.5	M	1.25	1	0.08	174.899	7.2	7.19	2.95	2.98	27.5	27.50	37.4	37.65	2.77	2.79	24.58	24.44	77	79
M1	9/9/2025	Mid-Flood	Cloudy	Low	14:19	2.5	M	1.25	2			7.18		3		27.5		37.9		2.81		24.3		80	
M2	9/9/2025	Mid-Flood	Cloudy	Low	14:50	2.2	M	1.10	1	0.091	166.378	7.17	7.18	2.90	2.92	27.5	27.55	37.9	37.40	2.81	2.77	25.47	25.61	80	88
M2	9/9/2025	Mid-Flood	Cloudy	Low	14:51	2.2	M	1.10	2			7.18		2.93		27.6		36.9		2.73		25.75		96	
M3	9/9/2025	Mid-Flood	Cloudy	Low	15:01	2.1	M	1.05	1	0.082	189.407	7.2	7.19	3.38	3.39	27.5	27.50	51.6	50.85	3.82	3.77	29.34	29.265	64	74
M3	9/9/2025	Mid-Flood	Cloudy	Low	15:01	2.1	M	1.05	2			7.18		3.4		27.5		50.1		3.71		29.19		83	
M1	9/9/2025	Mid-Ebb	Cloudy	Low	8:38	2.4	M	1.20	1	0.067	332.865	7.14	7.13	2.78	2.76	27.5	27.50	37.7	37.70	2.79	2.79	26.03	25.82	88	79
M1	9/9/2025	Mid-Ebb	Cloudy	Low	8:38	2.4	M	1.20	2			7.12		2.74		27.5		37.7		2.79		25.61		70	
M2	9/9/2025	Mid-Ebb	Cloudy	Low	8:00	2.1	M	1.05	1	0.063	309.983	7.19	7.20	2.80	2.85	27.5	27.55	38.9	39.15	2.88	2.90	25.34	25.26	80	72
M2	9/9/2025	Mid-Ebb	Cloudy	Low	8:01	2.1	M	1.05	2			7.21		2.89		27.6		39.4		2.92		25.18		63	
M3	9/9/2025	Mid-Ebb	Cloudy	Low	8:49	2	M	1.00	1	0.065	300.88	7.18	7.18	3.59	3.60	27.5	27.50	52.2	51.35	3.87	3.81	31.85	31.675	84	72
M3	9/9/2025	Mid-Ebb	Cloudy	Low	8:49	2	M	1.00	2			7.17		3.6		27.5		50.5		3.74		31.5		59	

Remark

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For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	94	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	85.8	92.95

Contract No. SPW 01/2025 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	11/9/2025	Mid-Flood	Sunny	Low	15:25	2.5	M	1.25	1	0.084	175.13	7.12	7.13	2.88	2.84	28.3	28.35	37.0	36.40	2.74	2.70	19.28	19.2	58	55
M1	11/9/2025	Mid-Flood	Sunny	Low	15:25	2.5	M	1.25	2			7.13	7.13	2.79	2.84	28.4	28.35	35.8	36.40	2.65	2.70	19.12	19.2	52	55
M2	11/9/2025	Mid-Flood	Sunny	Low	15:57	2.1	M	1.05	1	0.082	167.356	7.11	7.11	2.93	2.91	28.3	28.35	36.6	36.30	2.71	2.69	19.53	19.36	46	44
M2	11/9/2025	Mid-Flood	Sunny	Low	15:57	2.1	M	1.05	2			7.1	7.11	2.89	2.91	28.4	28.35	36.0	36.30	2.67	2.69	19.19	19.36	42	44
M3	11/9/2025	Mid-Flood	Sunny	Low	15:11	2	M	1.00	1	0.085	180.998	7.18	7.18	3.37	3.34	28.3	28.30	52.1	52.30	3.86	3.88	26.55	26.375	28	36
M3	11/9/2025	Mid-Flood	Sunny	Low	15:11	2	M	1.00	2			7.18	7.18	3.31	3.34	28.3	28.30	52.5	52.30	3.89	3.88	26.2	26.375	43	36
M1	11/9/2025	Mid-Ebb	Sunny	Low	10:01	2.4	M	1.20	1	0.06	309.345	7.17	7.18	2.77	2.78	28.1	28.10	37.1	36.15	2.75	2.68	18.04	18.075	49	51
M1	11/9/2025	Mid-Ebb	Sunny	Low	10:01	2.4	M	1.20	2			7.19	7.18	2.78	2.78	28.1	28.10	35.2	36.15	2.61	2.68	18.11	18.075	53	51
M2	11/9/2025	Mid-Ebb	Sunny	Low	9:28	2.1	M	1.05	1	0.074	312.46	7.11	7.12	2.75	2.74	28.1	28.10	37.9	37.05	2.81	2.75	18.29	18.39	37	47
M2	11/9/2025	Mid-Ebb	Sunny	Low	9:28	2.1	M	1.05	2			7.13	7.12	2.73	2.74	28.1	28.10	36.2	37.05	2.68	2.75	18.49	18.39	56	47
M3	11/9/2025	Mid-Ebb	Sunny	Low	10:15	1.9	M	0.95	1	0.061	308.408	7.18	7.17	3.43	3.44	28.1	28.15	52.1	52.50	3.86	3.89	27.96	27.91	58	71
M3	11/9/2025	Mid-Ebb	Sunny	Low	10:16	1.9	M	0.95	2			7.16	7.17	3.44	3.44	28.2	28.15	52.9	52.50	3.92	3.89	27.86	27.91	83	71

Remark

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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	70.2	76.05

Contract No. SPW 01/2025 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	13/9/2025	Mid-Flood	Sunny	Low	16:47	2.6	M	1.30	1	0.085	179.482	7.08	7.07	3.13	3.12	28.2	28.20	39.3	39.16	2.91	2.90	24.14	24.23	2.5	3
M1	13/9/2025	Mid-Flood	Sunny	Low	16:47	2.6	M	1.30	2			7.06		3.1		28.2		39.0		2.89		24.32		2.5	
M2	13/9/2025	Mid-Flood	Sunny	Low	17:17	2.2	M	1.10	1			7.09	7.08	2.95	2.93	28.2	28.20	39.8	39.60	2.95	2.94	24.58	24.645	3	3
M2	13/9/2025	Mid-Flood	Sunny	Low	17:18	2.2	M	1.10	2	0.094	172.334	7.07		2.91		28.2		39.4		2.92		24.71		3	
M3	13/9/2025	Mid-Flood	Sunny	Low	17:25	2	M	1.00	1			7.13	7.14	3.55	3.55	28.2	28.20	52.4	52.20	3.88	3.87	30.17	29.975	3	3
M3	13/9/2025	Mid-Flood	Sunny	Low	17:25	2	M	1.00	2			7.15		3.54		28.2		52.0		3.85		29.78		3	
M1	13/9/2025	Mid-Ebb	Sunny	Low	11:57	2.5	M	1.25	1	0.068	302.897	7.08	7.09	2.96	2.95	28.4	28.40	38.5	38.75	2.85	2.87	25.04	25.145	2.5	3
M1	13/9/2025	Mid-Ebb	Sunny	Low	11:57	2.5	M	1.25	2			7.1		2.94		28.4		39.0		2.89		25.25		2.5	
M2	13/9/2025	Mid-Ebb	Sunny	Low	11:24	2.2	M	1.10	1			7.07	7.08	3.08	3.08	28.4	28.45	37.8	36.85	2.8	2.73	24.21	24.335	3	3
M2	13/9/2025	Mid-Ebb	Sunny	Low	11:24	2.2	M	1.10	2	0.058	319.944	7.09		3.07		28.5		35.9		2.66		24.46		2.5	
M3	13/9/2025	Mid-Ebb	Sunny	Low	12:08	2	M	1.00	1			7.14	7.15	3.69	3.71	28.4	28.45	53.2	53.20	3.95	3.95	30.87	30.785	2.5	3
M3	13/9/2025	Mid-Ebb	Sunny	Low	12:08	2	M	1.00	2			7.15		3.72		28.5		53.2		3.94		30.7		2.5	

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

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

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

Contract No. SPW 01/2025 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	16/9/2025	Mid-Flood	Cloudy	Low	8:00	2.5	M	1.25	1	0.09	169.797	7.09	7.10	2.91	2.88	27.8	27.85	38.2	38.00	2.83	2.82	22.99	22.84	45	43
M1	16/9/2025	Mid-Flood	Cloudy	Low	8:00	2.5	M	1.25	2			7.11	7.10	2.85	2.88	27.9	27.85	37.8	38.00	2.8	2.82	22.69	22.84	41	43
M2	16/9/2025	Mid-Flood	Cloudy	Low	8:39	2.2	M	1.10	1	0.074	186.393	7.11	7.10	2.85	2.83	27.8	27.85	36.5	36.25	2.7	2.69	23.28	23.415	35	35
M2	16/9/2025	Mid-Flood	Cloudy	Low	8:39	2.2	M	1.10	2			7.09	7.10	2.8	2.83	27.9	27.85	36.0	36.25	2.67	2.69	23.55	23.415	34	35
M3	16/9/2025	Mid-Flood	Cloudy	Low	8:51	2.1	M	1.05	1	0.095	178.289	7.14	7.14	3.31	3.35	27.8	27.85	50.9	51.05	3.77	3.78	30.45	30.425	31	29
M3	16/9/2025	Mid-Flood	Cloudy	Low	8:51	2.1	M	1.05	2			7.14	7.14	3.38	3.35	27.9	27.85	51.2	51.05	3.79	3.78	30.4	30.425	27	29
M1	16/9/2025	Mid-Ebb	Cloudy	Low	18:37	2.4	M	1.20	1	0.069	327.91	7.08	7.07	2.77	2.82	27.7	27.75	37.1	36.10	2.75	2.68	21.96	21.925	41	41
M1	16/9/2025	Mid-Ebb	Cloudy	Low	18:37	2.4	M	1.20	2			7.06	7.07	2.86	2.82	27.8	27.75	35.1	36.10	2.6	2.68	21.89	21.925	40	41
M2	16/9/2025	Mid-Ebb	Cloudy	Low	18:03	2.1	M	1.05	1	0.06	330.198	7.09	7.10	2.82	2.87	27.7	27.75	36.3	36.90	2.69	2.74	22.33	22.11	49	44
M2	16/9/2025	Mid-Ebb	Cloudy	Low	18:03	2.1	M	1.05	2			7.11	7.10	2.91	2.87	27.8	27.75	37.5	36.90	2.78	2.74	21.89	22.11	39	44
M3	16/9/2025	Mid-Ebb	Cloudy	Low	18:49	2	M	1.00	1	0.063	308.375	7.16	7.15	3.48	3.45	27.7	27.75	50.6	50.30	3.75	3.73	31.12	31.12	34	45
M3	16/9/2025	Mid-Ebb	Cloudy	Low	18:49	2	M	1.00	2			7.14	7.15	3.42	3.45	27.8	27.75	50.0	50.30	3.7	3.73	31.12	31.12	55	45

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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 01/2025 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	18/9/2025	Mid-Flood	Cloudy	Low	10:52	2.5	M	1.25	1	0.073	184.672	7.03	7.03	3.12	3.10	28.1	28.10	40.0	40.05	2.96	2.97	24.55	24.495	28	32
M1	18/9/2025	Mid-Flood	Cloudy	Low	10:52	2.5	M	1.25	2			7.03	7.03	3.08	3.10	28.1	28.10	40.1	40.05	2.97	2.97	24.44	24.495	36	32
M2	18/9/2025	Mid-Flood	Cloudy	Low	11:29	2.1	M	1.05	1	0.085	167.882	7.04	7.03	3.22	3.22	28.1	28.10	40.8	40.80	3.02	3.02	23.53	23.66	35	40
M2	18/9/2025	Mid-Flood	Cloudy	Low	11:30	2.1	M	1.05	2			7.02	7.03	3.22	3.22	28.1	28.10	40.8	40.80	3.02	3.02	23.79	23.66	44	40
M3	18/9/2025	Mid-Flood	Cloudy	Low	11:45	1.9	M	0.95	1	0.09	165.583	7.09	7.09	4.25	4.22	28.1	28.15	53.6	53.00	3.97	3.93	31.15	31.18	29	30
M3	18/9/2025	Mid-Flood	Cloudy	Low	11:45	1.9	M	0.95	2			7.09	7.09	4.18	4.22	28.2	28.15	52.4	53.00	3.88	3.93	31.21	31.18	30	30
M1	18/9/2025	Mid-Ebb	Cloudy	Low	18:44	2.3	M	1.15	1	0.063	322.863	7.05	7.05	3.44	3.41	27.9	27.95	40.0	40.05	2.96	2.97	23.33	23.345	39	35
M1	18/9/2025	Mid-Ebb	Cloudy	Low	18:44	2.3	M	1.15	2			7.05	7.05	3.38	3.41	28.0	27.95	40.1	40.05	2.97	2.97	23.36	23.345	31	35
M2	18/9/2025	Mid-Ebb	Cloudy	Low	18:13	2	M	1.00	1	0.078	338.781	7.04	7.05	3.59	3.62	27.9	27.95	41.7	40.75	3.09	3.02	23.31	23.305	34	35
M2	18/9/2025	Mid-Ebb	Cloudy	Low	18:13	2	M	1.00	2			7.06	7.05	3.65	3.62	28.0	27.95	39.8	40.75	2.95	3.02	23.3	23.305	35	35
M3	18/9/2025	Mid-Ebb	Cloudy	Low	18:50	1.8	M	0.90	1	0.064	332.907	7.09	7.08	4.55	4.57	27.9	27.90	55.5	56.15	4.11	4.16	30.85	30.68	32	33
M3	18/9/2025	Mid-Ebb	Cloudy	Low	18:50	1.8	M	0.90	2			7.07	7.08	4.59	4.57	27.9	27.90	56.8	56.15	4.21	4.16	30.51	30.68	34	33

Remark

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

Contract No. SPW 01/2025 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	20/9/2025	Mid-Flood	Cloudy	Low	12:23	2.6	M	1.30	1	0.078	189.688	7.11	7.11	3.06	3.04	28.5	28.55	38.7	38.45	2.87	2.85	17.66	17.685	2.5	3
M1	20/9/2025	Mid-Flood	Cloudy	Low	12:23	2.6	M	1.30	2			7.1	7.11	3.01	3.04	28.6	28.55	38.2	38.45	2.83	2.85	17.71	17.685	2.5	3
M2	20/9/2025	Mid-Flood	Cloudy	Low	12:55	2.3	M	1.15	1	0.074	189.599	7.09	7.09	2.89	2.90	28.5	28.50	39.3	40.05	2.91	2.97	16.85	16.78	2.5	3
M2	20/9/2025	Mid-Flood	Cloudy	Low	12:56	2.3	M	1.15	2			7.08	7.09	2.9	2.90	28.5	28.50	40.8	40.05	3.02	2.97	16.71	16.78	2.5	3
M3	20/9/2025	Mid-Flood	Cloudy	Low	13:04	2	M	1.00	1	0.079	177.856	7.18	7.18	3.98	3.99	28.5	28.55	51.2	50.85	3.79	3.77	24.11	24.075	2.5	3
M3	20/9/2025	Mid-Flood	Cloudy	Low	13:04	2	M	1.00	2			7.18	7.18	3.99	3.99	28.6	28.55	50.5	50.85	3.74	3.77	24.04	24.075	2.5	3
M1	20/9/2025	Mid-Ebb	Cloudy	Low	17:40	2.4	M	1.20	1	0.072	326.971	7.09	7.10	2.75	2.79	28.3	28.30	36.7	36.70	2.72	2.72	17.16	17.21	2.5	3
M1	20/9/2025	Mid-Ebb	Cloudy	Low	17:40	2.4	M	1.20	2			7.1	7.10	2.82	2.79	28.3	28.30	36.7	36.70	2.72	2.72	17.26	17.21	2.5	3
M2	20/9/2025	Mid-Ebb	Cloudy	Low	17:05	2.1	M	1.05	1	0.078	316.742	7.11	7.11	2.72	2.71	28.3	28.30	38.9	38.10	2.88	2.82	17.39	17.335	2.5	3
M2	20/9/2025	Mid-Ebb	Cloudy	Low	17:05	2.1	M	1.05	2			7.11	7.11	2.69	2.71	28.3	28.30	37.3	38.10	2.76	2.82	17.28	17.335	2.5	3
M3	20/9/2025	Mid-Ebb	Cloudy	Low	17:49	2	M	1.00	1	0.065	326.379	7.19	7.20	4.09	4.05	28.3	28.35	53.5	52.55	3.96	3.89	25.99	25.775	2.5	3
M3	20/9/2025	Mid-Ebb	Cloudy	Low	17:49	2	M	1.00	2			7.2	7.20	4	4.05	28.4	28.35	51.6	52.55	3.82	3.89	25.56	25.775	2.5	3

Remark

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

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

Contract No. SPW 01/2025 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	25/9/2025	Mid-Flood	Cloudy	Low	14:53	2.7	M	1.35	1	0.078	184.942	7.14	7.15	3.69	3.67	28.1	28.10	40.4	39.50	2.99	2.93	21.63	21.52	48	51
M1	25/9/2025	Mid-Flood	Cloudy	Low	14:53	2.7	M	1.35	2			7.15		3.64		28.1		38.6		2.86		21.41		53	
M2	25/9/2025	Mid-Flood	Cloudy	Low	15:29	2.2	M	1.10	1	0.09	178.24	7.15	7.15	3.85	3.90	28.1	28.10	41.4	40.55	3.07	3.01	23.46	23.445	6	32
M2	25/9/2025	Mid-Flood	Cloudy	Low	15:30	2.2	M	1.10	2			7.14		3.94		28.1		39.7		2.94		23.43		57	
M3	25/9/2025	Mid-Flood	Cloudy	Low	15:45	2	M	1.00	1	0.087	177.028	7.21	7.21	4.42	4.40	28.1	28.15	49.8	49.00	3.69	3.63	29.29	29.3	59	54
M3	25/9/2025	Mid-Flood	Cloudy	Low	15:45	2	M	1.00	2			7.2		4.37		28.2		48.2		3.57		29.31		49	
M1	25/9/2025	Mid-Ebb	Cloudy	Low	9:33	2.5	M	1.25	1	0.069	340.916	7.12	7.13	3.51	3.56	27.9	27.95	38.5	37.70	2.85	2.79	21.23	21.37	50	51
M1	25/9/2025	Mid-Ebb	Cloudy	Low	9:33	2.5	M	1.25	2			7.13		3.6		28.0		36.9		2.73		21.51		51	
M2	25/9/2025	Mid-Ebb	Cloudy	Low	9:01	2.2	M	1.10	1	0.071	310.719	7.15	7.16	3.69	3.72	27.9	27.95	39.3	38.50	2.91	2.85	23.19	23.305	63	63
M2	25/9/2025	Mid-Ebb	Cloudy	Low	9:01	2.2	M	1.10	2			7.17		3.75		28.0		37.7		2.79		23.42		63	
M3	25/9/2025	Mid-Ebb	Cloudy	Low	9:49	2	M	1.00	1	0.078	336.16	7.19	7.20	4.55	4.59	27.9	27.90	52.1	51.10	3.86	3.79	30.94	30.92	64	65
M3	25/9/2025	Mid-Ebb	Cloudy	Low	9:49	2	M	1.00	2			7.21		4.62		27.9		50.1		3.71		30.9		65	

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	76.5	82.875

Contract No. SPW 01/2025 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	27/9/2025	Mid-Flood	Cloudy	Low	15:59	2.6	M	1.30	1	0.091	170.073	7.03	7.03	2.88	2.87	27.6	27.65	40.4	40.50	2.99	3.00	24.55	24.59	45	49
M1	27/9/2025	Mid-Flood	Cloudy	Low	16:00	2.6	M	1.30	2			7.02	7.03	2.85	2.87	27.7	27.65	40.6	40.50	3.01	3.00	24.63	24.59	52	49
M2	27/9/2025	Mid-Flood	Cloudy	Low	16:35	2.3	M	1.15	1	0.081	182.623	7.05	7.04	2.87	2.86	27.6	27.65	40.9	39.90	3.03	2.96	23.50	23.625	87	66
M2	27/9/2025	Mid-Flood	Cloudy	Low	16:36	2.3	M	1.15	2			7.03	7.04	2.84	2.86	27.7	27.65	38.9	39.90	2.88	2.96	23.75	23.625	45	66
M3	27/9/2025	Mid-Flood	Cloudy	Low	16:49	2	M	1.00	1	0.073	163.642	7.11	7.12	3.59	3.64	27.6	27.65	52.1	52.05	3.86	3.86	31.94	31.805	55	63
M3	27/9/2025	Mid-Flood	Cloudy	Low	16:49	2	M	1.00	2			7.13	7.12	3.68	3.64	27.7	27.65	52.0	52.05	3.85	3.86	31.67	31.805	70	63
M1	27/9/2025	Mid-Ebb	Cloudy	Low	11:06	2.4	M	1.20	1	0.071	304.332	7.04	7.04	2.82	2.80	27.9	27.95	40.4	40.60	2.99	3.01	23.33	23.3	60	73
M1	27/9/2025	Mid-Ebb	Cloudy	Low	11:06	2.4	M	1.20	2			7.03	7.04	2.77	2.80	28.0	27.95	40.8	40.60	3.02	3.01	23.27	23.3	86	73
M2	27/9/2025	Mid-Ebb	Cloudy	Low	10:32	2.1	M	1.05	1	0.081	311.753	7.05	7.05	2.74	2.72	27.9	27.90	41.6	42.35	3.08	3.14	23.89	23.98	65	66
M2	27/9/2025	Mid-Ebb	Cloudy	Low	10:32	2.1	M	1.05	2			7.05	7.05	2.7	2.72	27.9	27.90	43.1	42.35	3.19	3.14	24.07	23.98	66	66
M3	27/9/2025	Mid-Ebb	Cloudy	Low	11:18	2	M	1.00	1	0.072	322.509	7.12	7.13	3.66	3.67	27.9	27.95	54.7	53.90	4.05	3.99	31.86	31.78	60	59
M3	27/9/2025	Mid-Ebb	Cloudy	Low	11:18	2	M	1.00	2			7.14	7.13	3.67	3.67	28.0	27.95	53.1	53.90	3.93	3.99	31.7	31.78	58	59

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	74.7	80.925

Contract No. SPW 01/2025 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	30/9/2025	Mid-Flood	Sunny	Low	9:42	2.5	M	1.25	1	0.081	166.996	7.12	7.12	3.04	3.04	28.7	28.70	38.7	39.45	2.87	2.93	18.99	19.135	46	49
M1	30/9/2025	Mid-Flood	Sunny	Low	9:42	2.5	M	1.25	2			7.12	7.12	3.03	3.04	28.7	28.70	40.2	39.45	2.98	2.93	19.28	19.135	52	49
M2	30/9/2025	Mid-Flood	Sunny	Low	10:15	2.1	M	1.05	1	0.079	185.538	7.11	7.11	2.91	2.88	28.7	28.70	39.8	39.50	2.95	2.93	18.45	18.33	54	56
M2	30/9/2025	Mid-Flood	Sunny	Low	10:15	2.1	M	1.05	2			7.1	7.11	2.84	2.88	28.7	28.70	39.2	39.50	2.9	2.93	18.21	18.33	57	56
M3	30/9/2025	Mid-Flood	Sunny	Low	10:26	1.9	M	0.95	1	0.073	188.773	7.19	7.20	3.88	3.85	28.7	28.75	52.8	52.85	3.91	3.92	25.99	26.045	67	65
M3	30/9/2025	Mid-Flood	Sunny	Low	10:26	1.9	M	0.95	2			7.21	7.20	3.81	3.85	28.8	28.75	52.9	52.85	3.92	3.92	26.1	26.045	63	65
M1	30/9/2025	Mid-Ebb	Sunny	Low	17:44	2.3	M	1.15	1	0.065	335.866	7.1	7.10	2.93	2.90	28.5	28.55	37.9	37.70	2.81	2.80	19.21	19.015	70	63
M1	30/9/2025	Mid-Ebb	Sunny	Low	17:44	2.3	M	1.15	2			7.1	7.10	2.86	2.90	28.6	28.55	37.5	37.70	2.78	2.80	18.82	19.015	56	63
M2	30/9/2025	Mid-Ebb	Sunny	Low	17:05	2	M	1.00	1	0.071	308.978	7.12	7.12	2.87	2.86	28.5	28.55	38.9	38.55	2.88	2.86	19.45	19.345	46	52
M2	30/9/2025	Mid-Ebb	Sunny	Low	17:05	2	M	1.00	2			7.12	7.12	2.85	2.86	28.6	28.55	38.2	38.55	2.83	2.86	19.24	19.345	58	52
M3	30/9/2025	Mid-Ebb	Sunny	Low	17:56	1.8	M	0.90	1	0.07	309.217	7.18	7.17	3.54	3.52	28.5	28.55	53.6	53.55	3.97	3.97	26.66	26.655	68	68
M3	30/9/2025	Mid-Ebb	Sunny	Low	17:56	1.8	M	0.90	2			7.16	7.17	3.49	3.52	28.6	28.55	53.5	53.55	3.96	3.97	26.65	26.655	67	68

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.
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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.

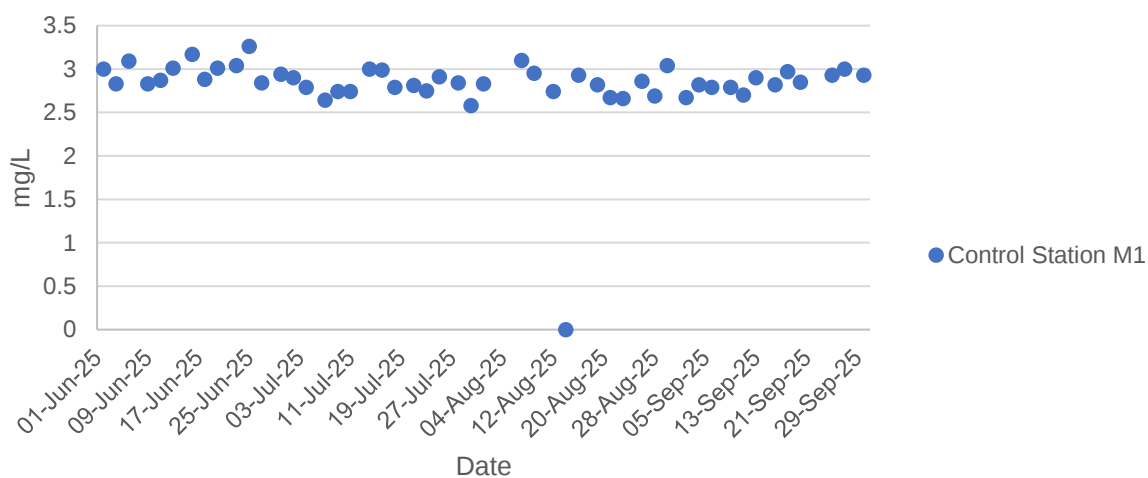
For Flood Tide

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

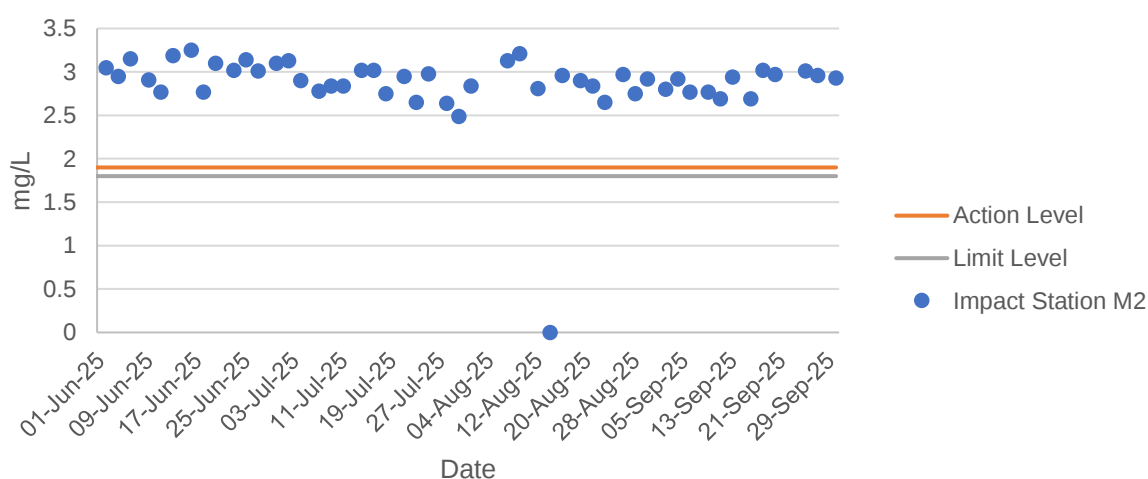
For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	71.7	77.675

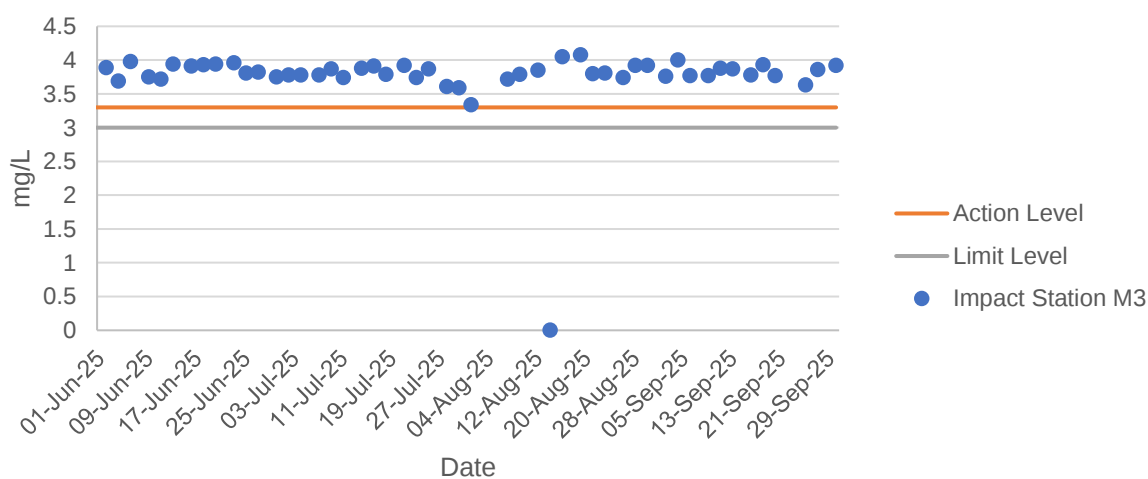
Dissolved Oxygen at Mid-Flood Tide



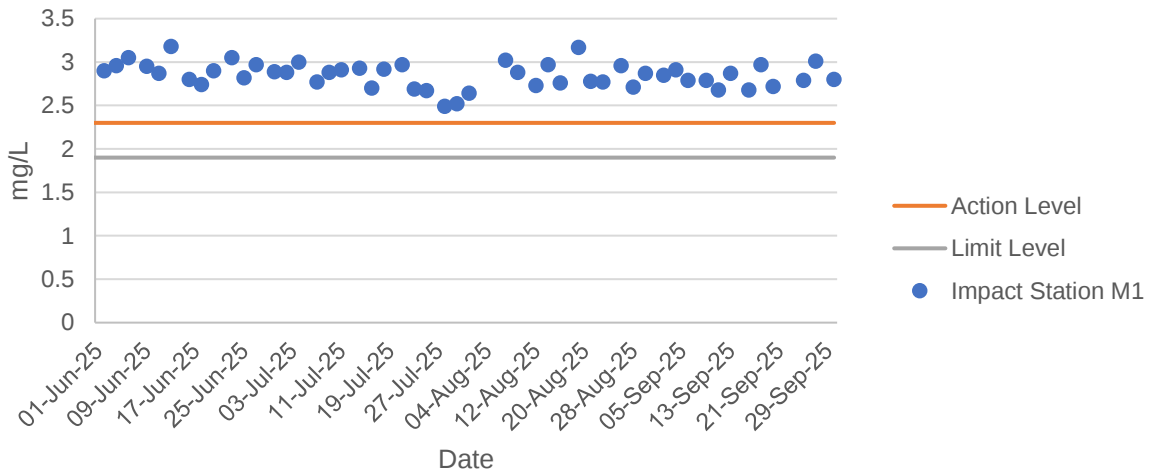
Dissolved Oxygen at Mid-Flood Tide



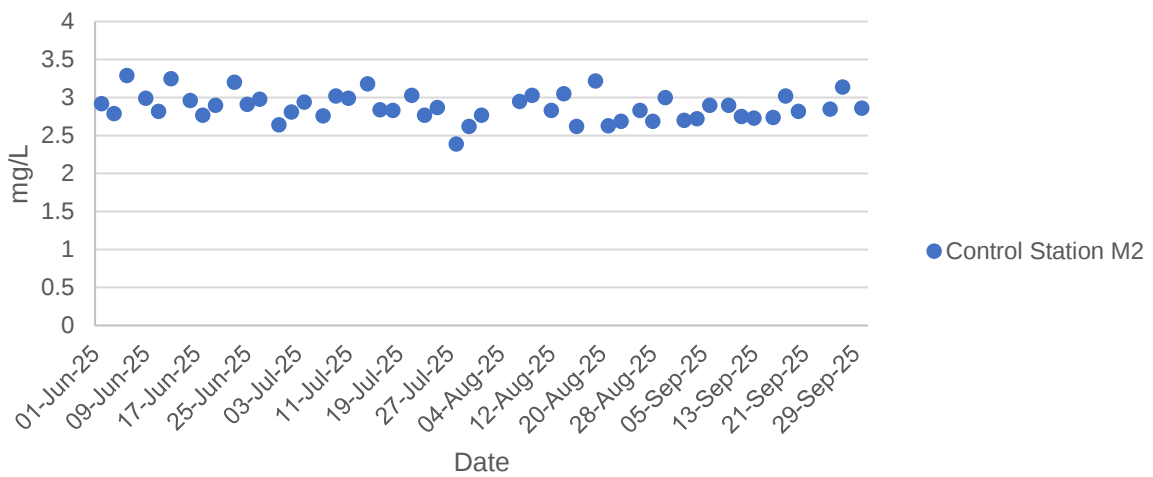
Dissolved Oxygen at Mid-Flood Tide



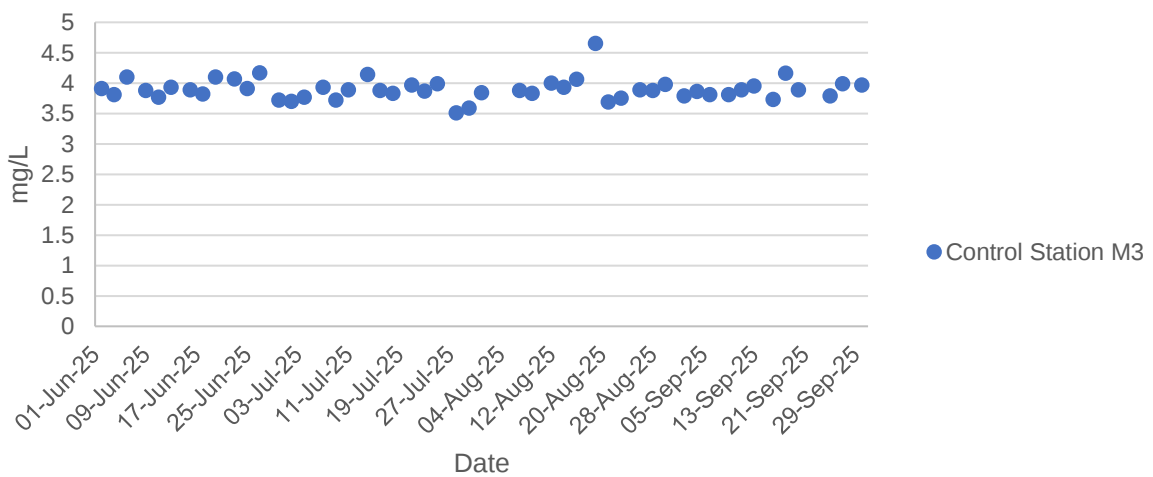
Dissolved Oxygen at Mid-Ebb Tide



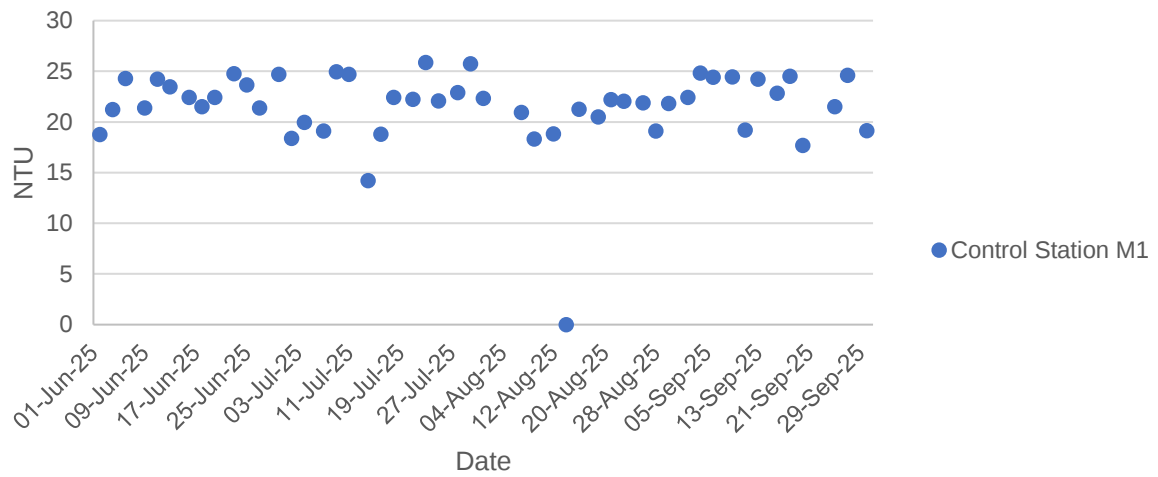
Dissolved Oxygen at Mid-Ebb Tide



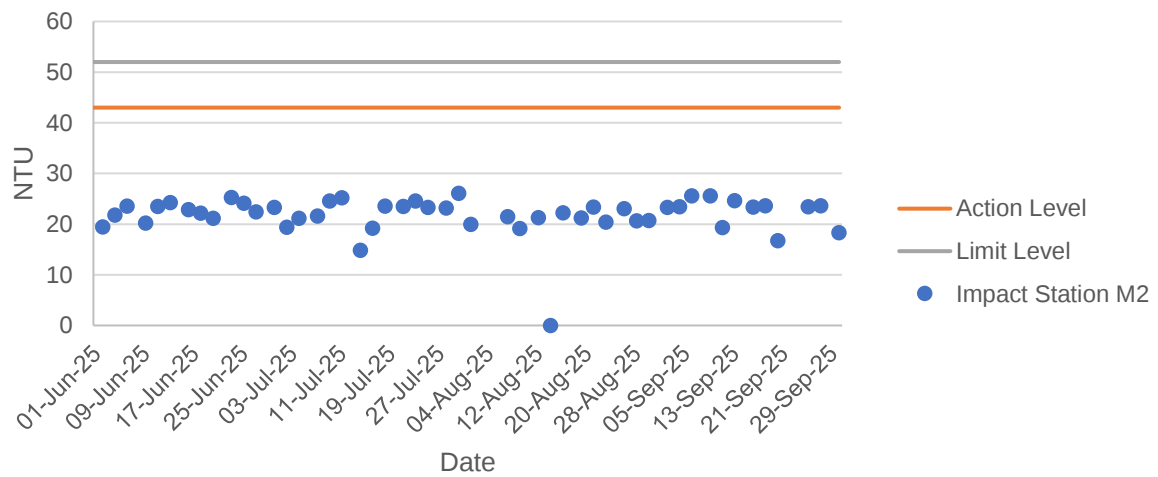
Dissolved Oxygen at Mid-Ebb Tide



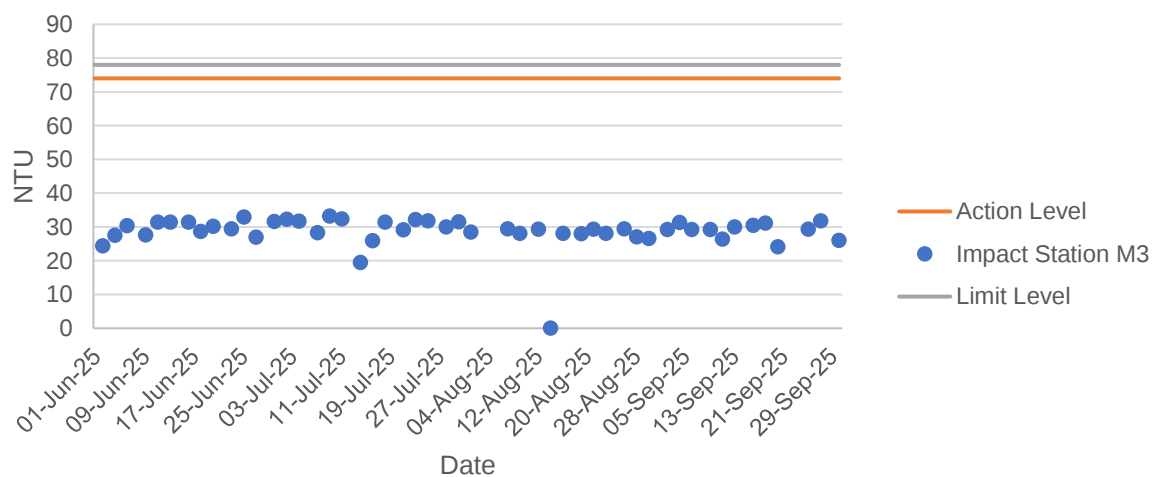
Turbidity at Mid-Flood Tide



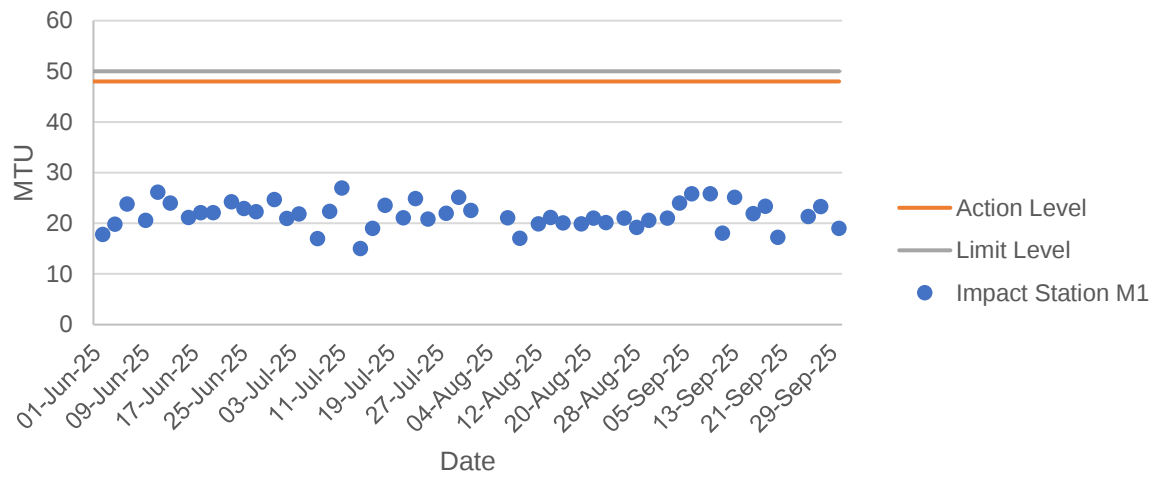
Turbidity at Mid-Flood Tide



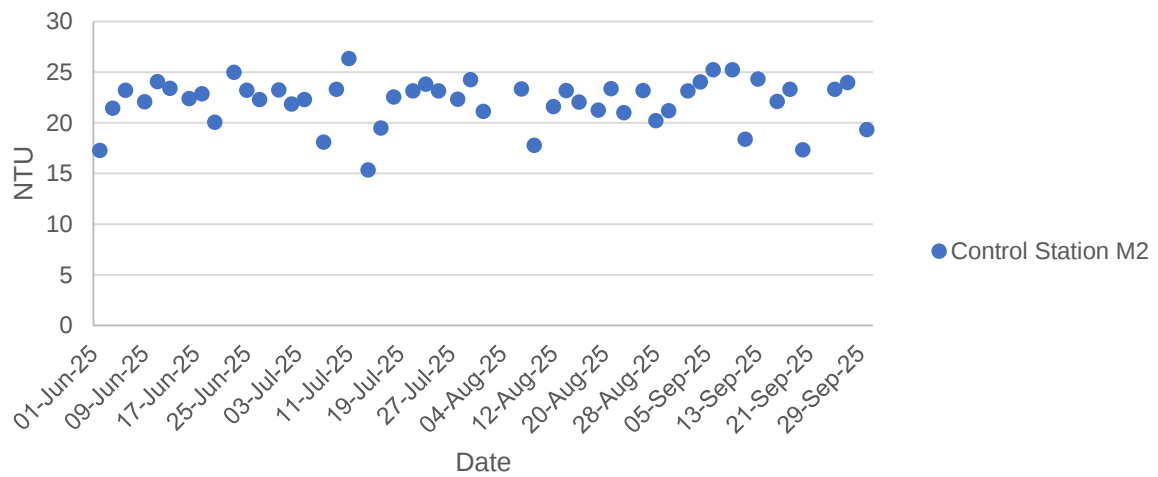
Turbidity at Mid-Flood Tide



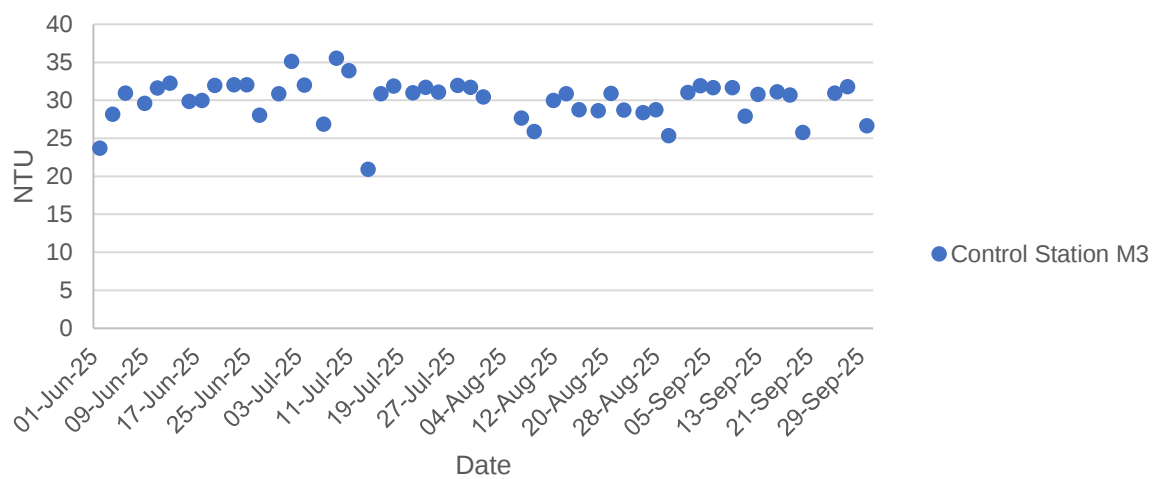
Turbidity at Mid-Ebb Tide



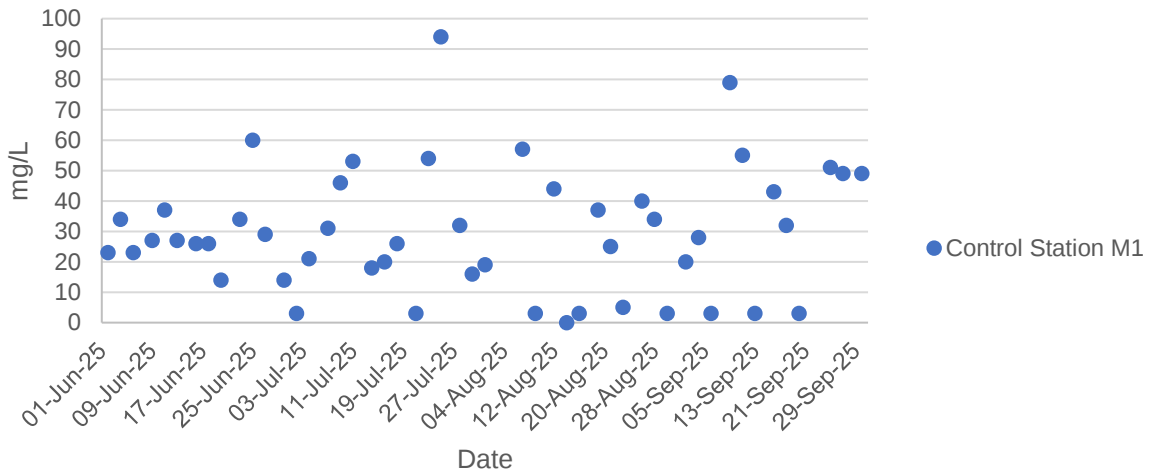
Turbidity at Mid-Ebb Tide



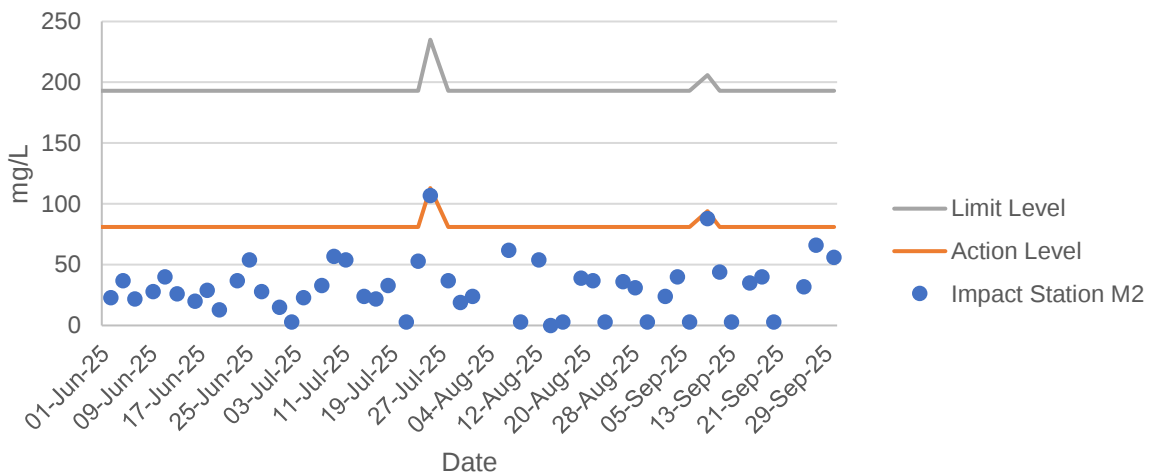
Turbidity at Mid-Ebb Tide



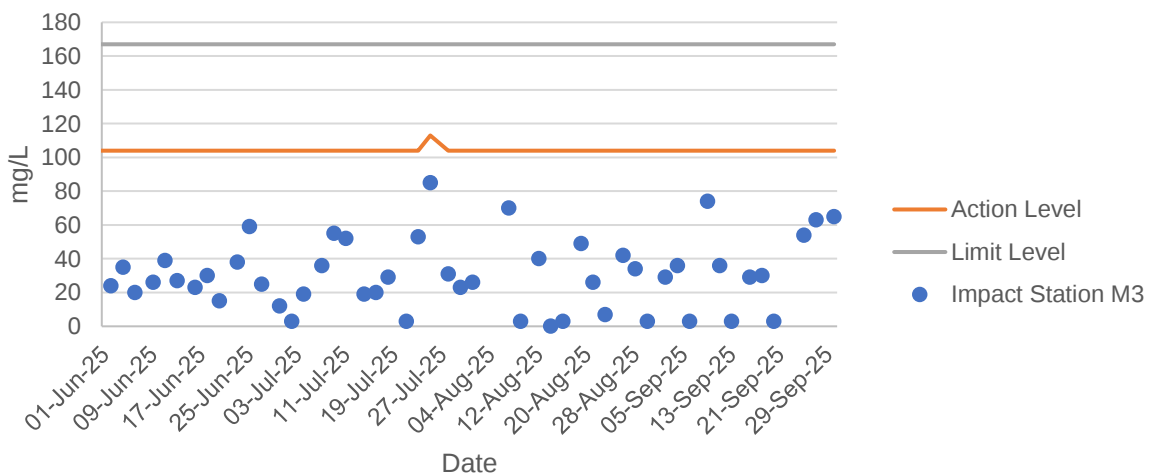
Total Suspended Solids at Mid-Flood Tide



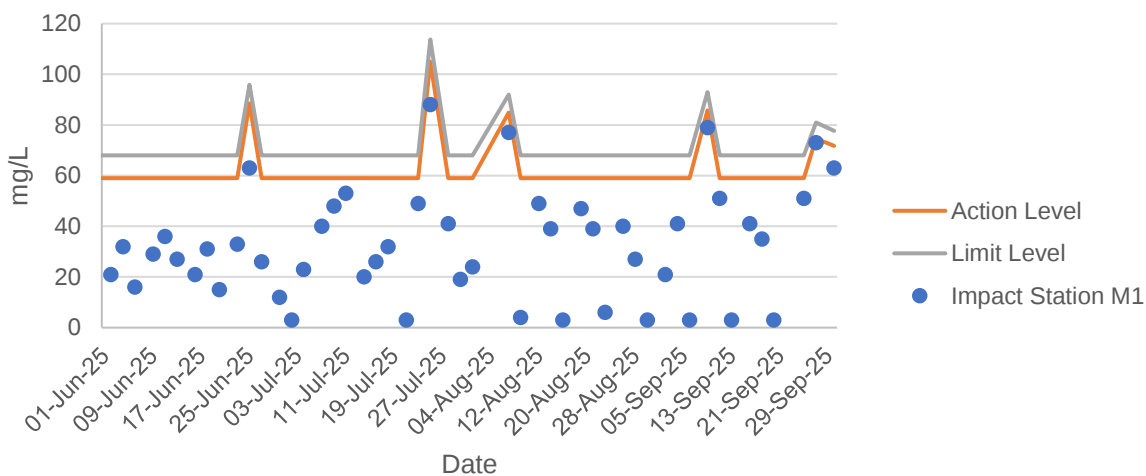
Total Suspended Solids at Mid-Flood Tide



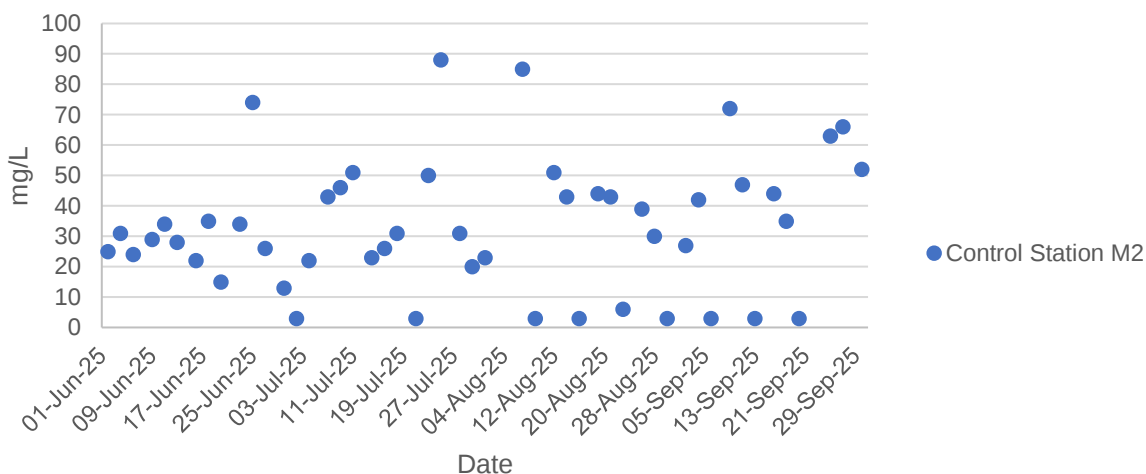
Total Suspended Solids at Mid-Flood Tide



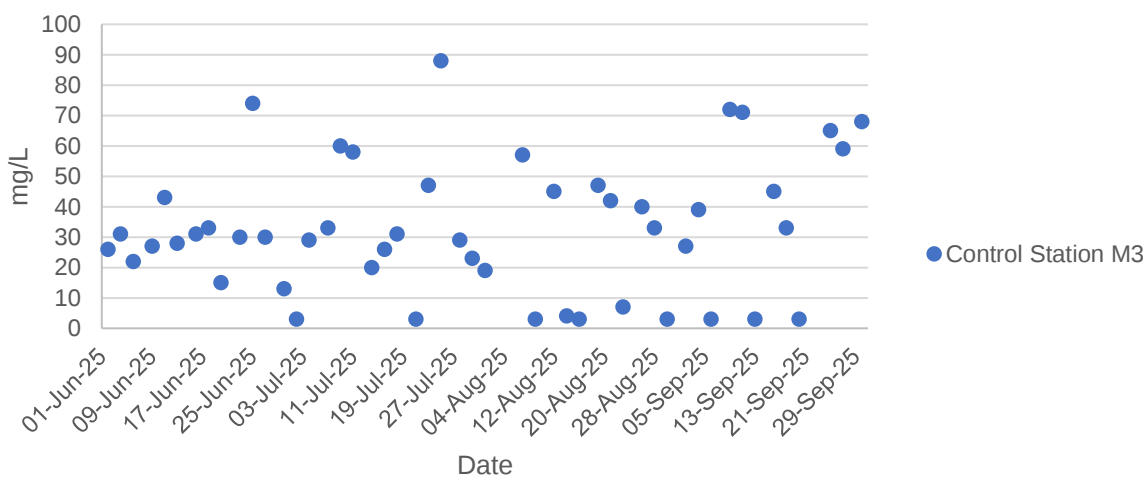
Total Suspended Solids at Mid-Ebb Tide



Total Suspended Solids at Mid-Ebb Tide



Total Suspended Solids at Mid-Ebb Tide



Ecology Monitoring Results for

Contract No. SPW 01/2025

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

Appendix F.1 Ecological Bird Monitoring Result (10 & 29 September 2025)

Date (dd/mm/yyyy)	Daytime/ Night- time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong ²	Principal Status ³	Level of Concern ⁴	Protection Status in China ⁵	China Red Data Book ⁶	Red List of China's Vertebrates ⁹	IUCN Red List ⁷ (v.2020-3)	Species of Conservation Importance	Wetland Dependent ⁸
10/09/2025	Daytime	Wet	FLW	Point Count	FLW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW1	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW1	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW1	Black Kite	<i>Milvus migrans</i>	2	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW1	Common Sandpiper	<i>Actitis hypoleucos</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW1	Asian Koel	<i>Eudynamys scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW1	Barn Swallow	<i>Hirundo rustica</i>	8	Abundant	PM,SV	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW1	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW1	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW2	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW2	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW2	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW3	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW3	Barn Swallow	<i>Hirundo rustica</i>	3	Abundant	PM,SV	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW4	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW4	Black-winged stilt	<i>Himantopus himantopus</i>	3	Common	PM	RC	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW4	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW4	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW4	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	Black-winged stilt	<i>Himantopus himantopus</i>	3	Common	PM	RC	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	Little Ringed Plover	<i>Charadrius dubius</i>	13	Common	WV,PM	(LC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	Common Redshank	<i>Tringa totanus</i>	1	Common	PM	RC	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	Wood Sandpiper	<i>Tringa glareola</i>	2	Common	PM,WV	LC	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	Pied Kingfisher	<i>Ceryle rudis</i>	2	Uncommon	R	-	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	Azure-winged Magpie	<i>Cyanopica cyanus</i>	4	Introduced	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	Collared Crow	<i>Corvus torquatus</i>	2	Uncommon	R	LC	-	-	NT	VU	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	Common Myna	<i>Acridotheres tristis</i>	6	Uncommon	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	Eurasian Tree Sparrow	<i>Passer montanus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW5	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW6	Grey Heron	<i>Ardea cinerea</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (10 & 29 September 2025)

Date (dd/mm/yyyy)	Daytime/ Night- time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong ²	Principal Status ³	Level of Concern ⁴	Protection Status in China ⁵	China Red Data Book ⁶	Red List of China's Vertebrates ⁹	IUCN Red List ⁷ (v.2020-3)	Species of Conservation Importance	Wetland Dependent ⁸
10/09/2025	Daytime	Wet	FLW	Point Count	FLW6	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW6	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW6	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW6	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW6	Crested Myna	<i>Acridotheres cristatellus</i>	5	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW6	Eurasian Tree Sparrow	<i>Passer montanus</i>	8	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW7	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW7	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW7	Little Egret	<i>Egretta garzetta</i>	5	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW7	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW7	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Point Count	FLW7	Azure-winged Magpie	<i>Cyanopica cyanus</i>	3	Introduced	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW7	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW7	Crested Myna	<i>Acridotheres cristatellus</i>	6	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW7	Black-collared Starling	<i>Gracupica nigricollis</i>	2	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Point Count	FLW7	Eurasian Tree Sparrow	<i>Passer montanus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Point Count	NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	NSW	Point Count	NSW1	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	NSW	Point Count	NSW1	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	NSW	Point Count	NSW1	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
10/09/2025	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	3	Common	-	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Point Count	NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Point Count	NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Point Count	NSW1	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Point Count	NSW1	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Point Count	NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	7	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Tree Sparrow	<i>Passer montanus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Point Count	NSW1	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Black-winged stilt	<i>Himantopus himantopus</i>	3	Common	PM	RC	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	2	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	2	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Oriental Magpie	<i>Copsychus</i>	1	Abundant	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (10 & 29 September 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
						Robin	<i>sauularis</i>										
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Cinnamon Bittern	<i>Ixobrychus cinnamomeus</i>	1	Scarce	M	LC	-	-	-	-	Y	Y
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Great Egret	<i>Ardea alba</i>	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Moorhen	<i>Gallinula chloropus</i>	1	Common	R	-	-	-	LC	LC	N	Y
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Black-winged stilt	<i>Himantopus himantopus</i>	7	Common	PM	RC	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Sandpiper	<i>Actitis hypoleucos</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Redshank	<i>Tringa totanus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Greenshank	<i>Tringa nebularia</i>	3	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Transect	FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Transect	FLW	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Transect	FLW	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
10/09/2025	Daytime	Wet	FLW	Transect	FLW	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Transect	FLW	Pied Kingfisher	<i>Ceryle rudis</i>	2	Uncommon	R	-	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	FLW	Transect	FLW	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Transect	FLW	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Transect	FLW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	7	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Transect	FLW	Barn Swallow	<i>Hirundo rustica</i>	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Transect	FLW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Transect	FLW	Common Tailorbird	<i>Orthotomus sutorius</i>	2	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Transect	FLW	Swinhoe's White-eye	<i>Zosterops simplex</i>	3	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Transect	FLW	Scaly-breasted Munia	<i>Lonchura punctulata</i>	3	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	FLW	Transect	FLW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Transect	NSW	Spotted Dove	<i>Spilopelia chinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Transect	NSW	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
10/09/2025	Daytime	Wet	NSW	Transect	NSW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Transect	NSW	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Transect	NSW	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Transect	NSW	Swinhoe's White-eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Transect	NSW	Crested Myna	<i>Acridotheres cristatellus</i>	8	Common	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (10 & 29 September 2025)

Date (dd/mm/yyyy)	Daytime/ Night- time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong ²	Principal Status ³	Level of Concern ⁴	Protection Status in China ⁵	China Red Data Book ⁶	Red List of China's Vertebrates ⁹	IUCN Red List ⁷ (v.2020-3)	Species of Conservation Importance	Wetland Dependent ⁸
10/09/2025	Daytime	Wet	NSW	Transect	NSW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	NSW	Transect	NSW	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Chinese Pond Heron	<i>Ardeola bacchus</i>	8	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Black-winged stilt	<i>Himantopus himantopus</i>	14	Common	PM	RC	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
10/09/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Redshank	<i>Tringa totanus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Marsh Sandpiper	<i>Tringa stagnatilis</i>	1	Common	PM,WV	RC	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Greenshank	<i>Tringa nebularia</i>	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
10/09/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Swinhoe's White-eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Eurasian Tree Sparrow	<i>Passer montanus</i>	6	Abundant	R	-	-	-	LC	LC	N	N
10/09/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
29/09/2025	Night-time	Wet	FLW	Point Count	FLW5	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	2	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
29/09/2025	Night-time	Wet	FLW	Point Count	FLW5	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
29/09/2025	Night-time	Wet	FLW	Point Count	FLW7	Chinese Pond Heron	<i>Ardeola bacchus</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
29/09/2025	Night-time	Wet	NSW	Point Count	NSW1	Great Cormorant	<i>Phalacrocorax carbo</i>	5	Common	WV	PRC	-	-	LC	LC	Y	Y
29/09/2025	Night-time	Wet	NSW	Point Count	SP/NSW2	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	2	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
29/09/2025	Night-time	Wet	NSW	Point Count	SP/NSW2	Common Redshank	<i>Tringa totanus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
29/09/2025	Night-time	Wet	NSW	Point Count	SP/NSW2	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
29/09/2025	Night-time	Wet	NSW	Point Count	SP/NSW3	Collared Scops Owl	<i>Otus lettia</i>	1	Common	R	-	Class II	-	LC	LC	Y	N
29/09/2025	Night-time	Wet	FLW	Transect	FLW	Savanna Nightjar	<i>Caprimulgus affinis</i>	2	Uncommon	R.PM	-	-	-	DD	-	N	N
29/09/2025	Night-time	Wet	NSW	Transect	NSW	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	1	Common	R,WV	(LC)	-	-	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 (10 & 29 September 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Ixobrychus cinnamomeus</i>	1	0.0041	-5.4889	-0.0227	0.1245
<i>Nycticorax nycticorax</i>	4	0.0165	-4.1026	-0.0678	0.2782
<i>Ardeola bacchus</i>	21	0.0868	-2.4444	-0.2121	0.5185
<i>Ardea cinerea</i>	4	0.0165	-4.1026	-0.0678	0.2782
<i>Ardea alba</i>	12	0.0496	-3.0040	-0.1490	0.4475
<i>Egretta garzetta</i>	14	0.0579	-2.8499	-0.1649	0.4699
<i>Phalacrocorax carbo</i>	5	0.0207	-3.8795	-0.0802	0.3110
<i>Milvus migrans</i>	3	0.0124	-4.3903	-0.0544	0.2389
<i>Amaurornis phoenicurus</i>	2	0.0083	-4.7958	-0.0396	0.1901
<i>Gallinula chloropus</i>	1	0.0041	-5.4889	-0.0227	0.1245
<i>Himantopus himantopus</i>	16	0.0661	-2.7163	-0.1796	0.4878
<i>Charadrius dubius</i>	13	0.0537	-2.9240	-0.1571	0.4593
<i>Actitis hypoleucos</i>	7	0.0289	-3.5430	-0.1025	0.3631
<i>Tringa totanus</i>	5	0.0207	-3.8795	-0.0802	0.3110
<i>Tringa glareola</i>	2	0.0083	-4.7958	-0.0396	0.1901
<i>Tringa nebularia</i>	3	0.0124	-4.3903	-0.0544	0.2389
<i>Streptopelia decaocto</i>	5	0.0207	-3.8795	-0.0802	0.3110
<i>Spilopelia chinensis</i>	10	0.0413	-3.1864	-0.1317	0.4195
<i>Eudynamis scolopaceus</i>	1	0.0041	-5.4889	-0.0227	0.1245
<i>Otus lettia</i>	1	0.0041	-5.4889	-0.0227	0.1245
<i>Halcyon smyrnensis</i>	3	0.0124	-4.3903	-0.0544	0.2389
<i>Alcedo atthis</i>	2	0.0083	-4.7958	-0.0396	0.1901
<i>Ceryle rudis</i>	2	0.0083	-4.7958	-0.0396	0.1901
<i>Lanius schach</i>	1	0.0041	-5.4889	-0.0227	0.1245
<i>Cyanopica cyanus</i>	7	0.0289	-3.5430	-0.1025	0.3631
<i>Corvus torquatus</i>	2	0.0083	-4.7958	-0.0396	0.1901
<i>Pycnonotus jocosus</i>	9	0.0372	-3.2917	-0.1224	0.4030
<i>Hirundo rustica</i>	11	0.0455	-3.0910	-0.1405	0.4343
<i>Prinia flaviventris</i>	1	0.0041	-5.4889	-0.0227	0.1245
<i>Prinia inornata</i>	2	0.0083	-4.7958	-0.0396	0.1901
<i>Orthotomus sutorius</i>	2	0.0083	-4.7958	-0.0396	0.1901
<i>Pterorhinus perspicillatus</i>	4	0.0165	-4.1026	-0.0678	0.2782
<i>Acridotheres cristatellus</i>	24	0.0992	-2.3109	-0.2292	0.5296
<i>Acridotheres tristis</i>	6	0.0248	-3.6972	-0.0917	0.3389
<i>Gracupica nigricollis</i>	10	0.0413	-3.1864	-0.1317	0.4195
<i>Copsychus saularis</i>	1	0.0041	-5.4889	-0.0227	0.1245
<i>Passer montanus</i>	18	0.0744	-2.5986	-0.1933	0.5023
<i>Motacilla tschutschensis</i>	2	0.0083	-4.7958	-0.0396	0.1901
<i>Motacilla alba</i>	5	0.0207	-3.8795	-0.0802	0.3110
Total	242	1.0000	-160.1726	-3.2711	11.3437
Richness	39				
SS	11.3437				
SQ	10.7004				
H	3.2711				
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 (10 & 29 September 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Ixobrychus cinnamomeus</i>	1	0.0090	-4.7095	-0.0424	0.1998
<i>Nycticorax nycticorax</i>	4	0.0360	-3.3232	-0.1198	0.3980
<i>Ardeola bacchus</i>	21	0.1892	-1.6650	-0.3150	0.5245
<i>Ardea cinerea</i>	4	0.0360	-3.3232	-0.1198	0.3980
<i>Ardea alba</i>	12	0.1081	-2.2246	-0.2405	0.5350
<i>Egretta garzetta</i>	14	0.1261	-2.0705	-0.2611	0.5407
<i>Phalacrocorax carbo</i>	5	0.0450	-3.1001	-0.1396	0.4329
<i>Milvus migrans</i>	3	0.0270	-3.6109	-0.0976	0.3524
<i>Himantopus himantopus</i>	16	0.1441	-1.9369	-0.2792	0.5408
<i>Charadrius dubius</i>	13	0.1171	-2.1446	-0.2512	0.5386
<i>Tringa totanus</i>	5	0.0450	-3.1001	-0.1396	0.4329
<i>Tringa glareola</i>	2	0.0180	-4.0164	-0.0724	0.2907
<i>Tringa nebularia</i>	3	0.0270	-3.6109	-0.0976	0.3524
<i>Otus lettia</i>	1	0.0090	-4.7095	-0.0424	0.1998
<i>Halcyon smyrnensis</i>	3	0.0270	-3.6109	-0.0976	0.3524
<i>Ceryle rudis</i>	2	0.0180	-4.0164	-0.0724	0.2907
<i>Corvus torquatus</i>	2	0.0180	-4.0164	-0.0724	0.2907
Total	111	1.0000	-55.1892	-2.4605	6.6702
Richness	17				
SS	6.6702				
SQ	6.0543				
H	2.4605				
S ² H	0.00620				

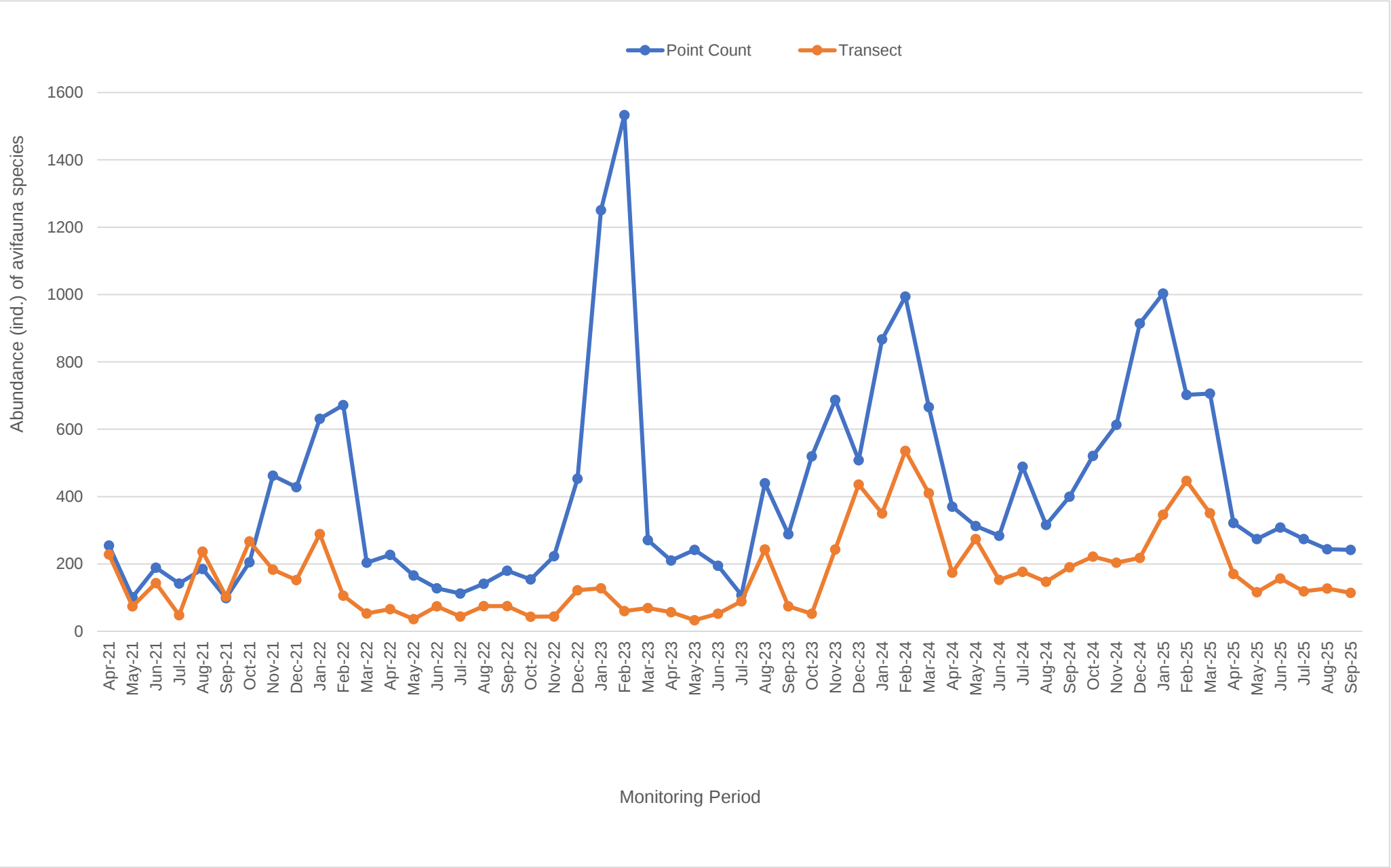
**Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method)
in All Habitats (10 & 29 September 2025)**

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Nycticorax nycticorax</i>	1	0.0088	-4.7362	-0.0415	0.1968
<i>Ardeola bacchus</i>	11	0.0965	-2.3383	-0.2256	0.5276
<i>Ardea cinerea</i>	1	0.0088	-4.7362	-0.0415	0.1968
<i>Egretta garzetta</i>	2	0.0175	-4.0431	-0.0709	0.2868
<i>Milvus migrans</i>	1	0.0088	-4.7362	-0.0415	0.1968
<i>Himantopus himantopus</i>	14	0.1228	-2.0971	-0.2575	0.5401
<i>Actitis hypoleucos</i>	2	0.0175	-4.0431	-0.0709	0.2868
<i>Tringa totanus</i>	4	0.0351	-3.3499	-0.1175	0.3937
<i>Tringa stagnatilis</i>	1	0.0088	-4.7362	-0.0415	0.1968
<i>Tringa nebularia</i>	2	0.0175	-4.0431	-0.0709	0.2868
<i>Spilopelia chinensis</i>	7	0.0614	-2.7903	-0.1713	0.4781
<i>Centropus sinensis</i>	1	0.0088	-4.7362	-0.0415	0.1968
<i>Caprimulgus affinis</i>	2	0.0175	-4.0431	-0.0709	0.2868
<i>Ceryle rudis</i>	2	0.0175	-4.0431	-0.0709	0.2868
<i>Lanius schach</i>	1	0.0088	-4.7362	-0.0415	0.1968
<i>Parus minor</i>	2	0.0175	-4.0431	-0.0709	0.2868
<i>Pycnonotus jocosus</i>	2	0.0175	-4.0431	-0.0709	0.2868
<i>Pycnonotus sinensis</i>	9	0.0789	-2.5390	-0.2004	0.5089
<i>Hirundo rustica</i>	2	0.0175	-4.0431	-0.0709	0.2868
<i>Prinia inornata</i>	4	0.0351	-3.3499	-0.1175	0.3937
<i>Orthotomus sutorius</i>	2	0.0175	-4.0431	-0.0709	0.2868
<i>Pterorhinus perspicillatus</i>	2	0.0175	-4.0431	-0.0709	0.2868
<i>Zosterops simplex</i>	7	0.0614	-2.7903	-0.1713	0.4781
<i>Acridotheres cristatellus</i>	12	0.1053	-2.2513	-0.2370	0.5335
<i>Gracupica nigricollis</i>	6	0.0526	-2.9444	-0.1550	0.4563
<i>Copsychus saularis</i>	1	0.0088	-4.7362	-0.0415	0.1968
<i>Passer montanus</i>	6	0.0526	-2.9444	-0.1550	0.4563
<i>Lonchura punctulata</i>	3	0.0263	-3.6376	-0.0957	0.3482
<i>Motacilla alba</i>	4	0.0351	-3.3499	-0.1175	0.3937
Total	114	1.0000	-107.9664	-3.0217	9.7535
Richness	29				
SS	9.7535				
SQ	9.1305				
H	3.0217				
S ² H	0.006542				

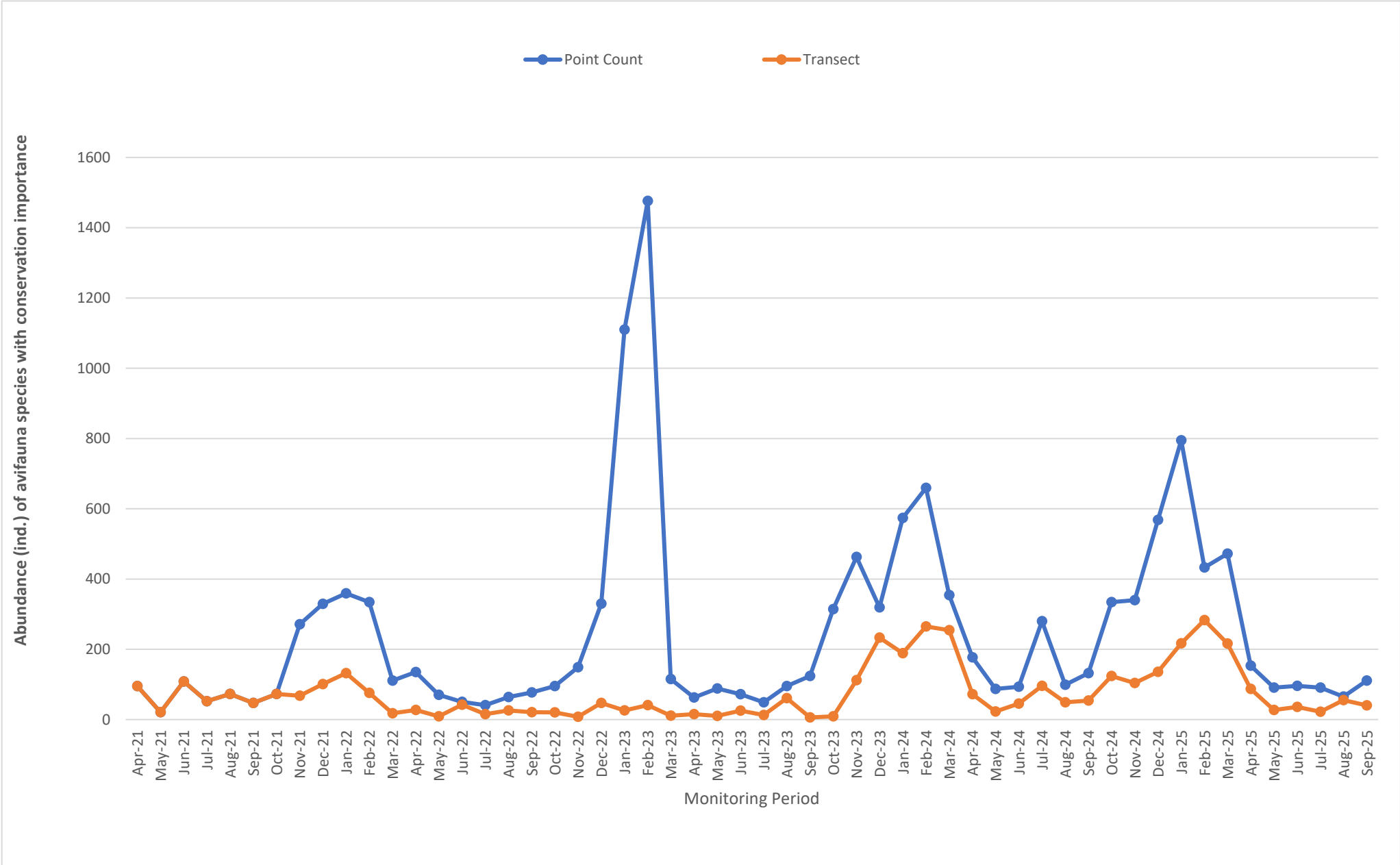
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (10 & 29 September 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Nycticorax nycticorax</i>	1	0.0250	-3.6889	-0.0922	0.3402
<i>Ardeola bacchus</i>	11	0.2750	-1.2910	-0.3550	0.4583
<i>Ardea cinerea</i>	1	0.0250	-3.6889	-0.0922	0.3402
<i>Egretta garzetta</i>	2	0.0500	-2.9957	-0.1498	0.4487
<i>Milvus migrans</i>	1	0.0250	-3.6889	-0.0922	0.3402
<i>Himantopus himantopus</i>	14	0.3500	-1.0498	-0.3674	0.3857
<i>Tringa totanus</i>	4	0.1000	-2.3026	-0.2303	0.5302
<i>Tringa stagnatilis</i>	1	0.0250	-3.6889	-0.0922	0.3402
<i>Tringa nebularia</i>	2	0.0500	-2.9957	-0.1498	0.4487
<i>Centropus sinensis</i>	1	0.0250	-3.6889	-0.0922	0.3402
<i>Ceryle rudis</i>	2	0.0500	-2.9957	-0.1498	0.4487
Total	40	1.0000	-32.0750	-1.8632	4.4214
Richness	11				
SS	4.4214				
SQ	3.4715				
H	1.8632				
S ² H	0.02687				

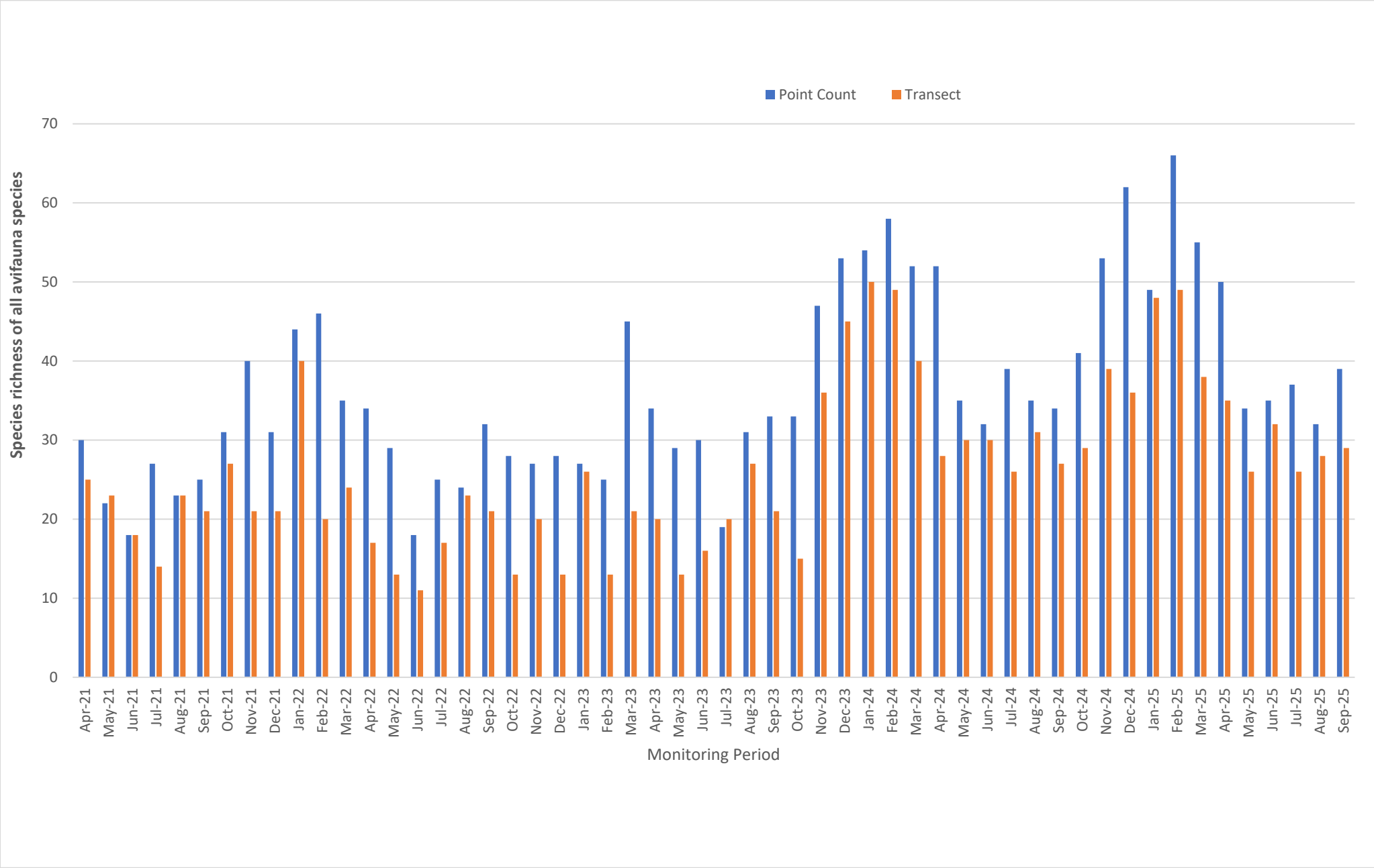
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



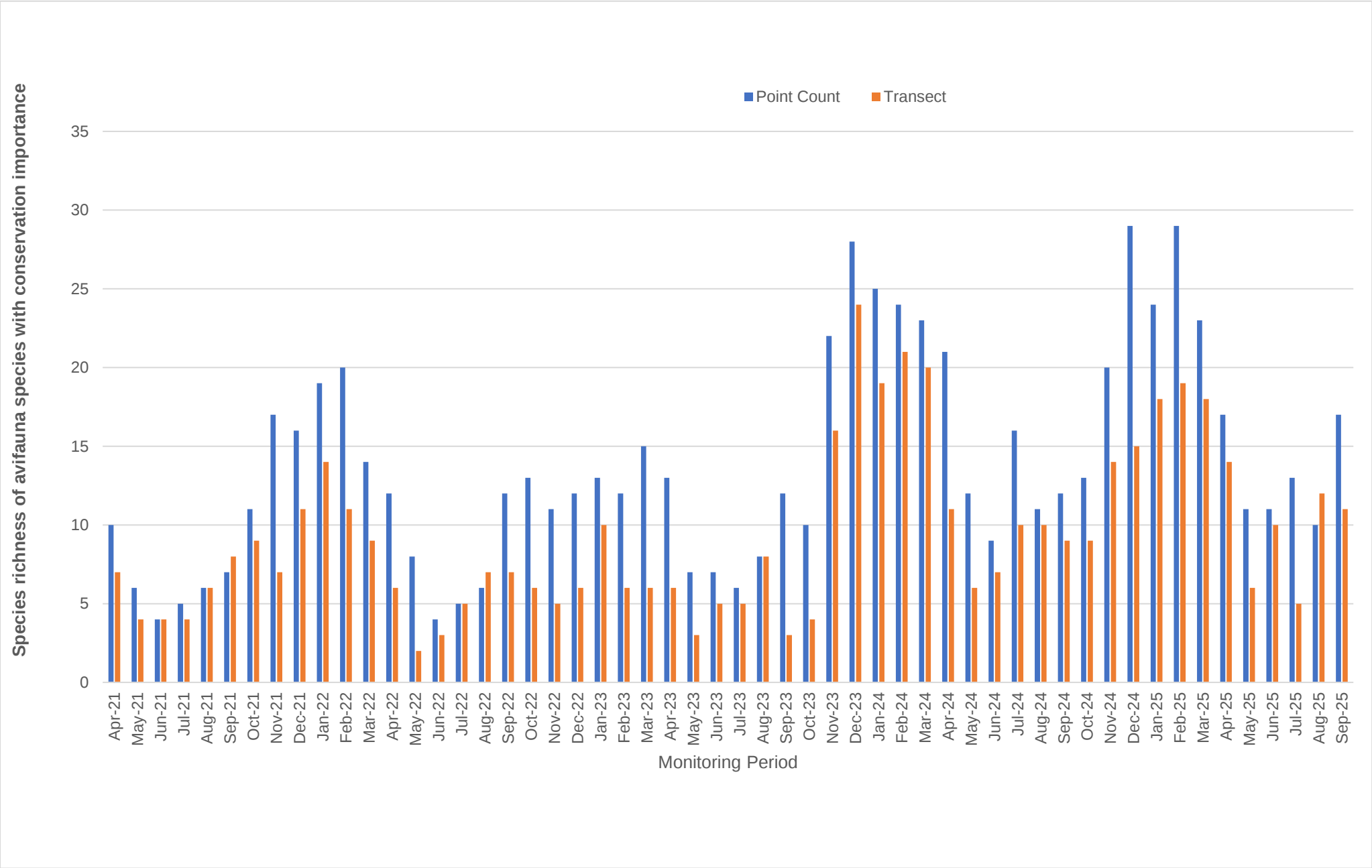
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



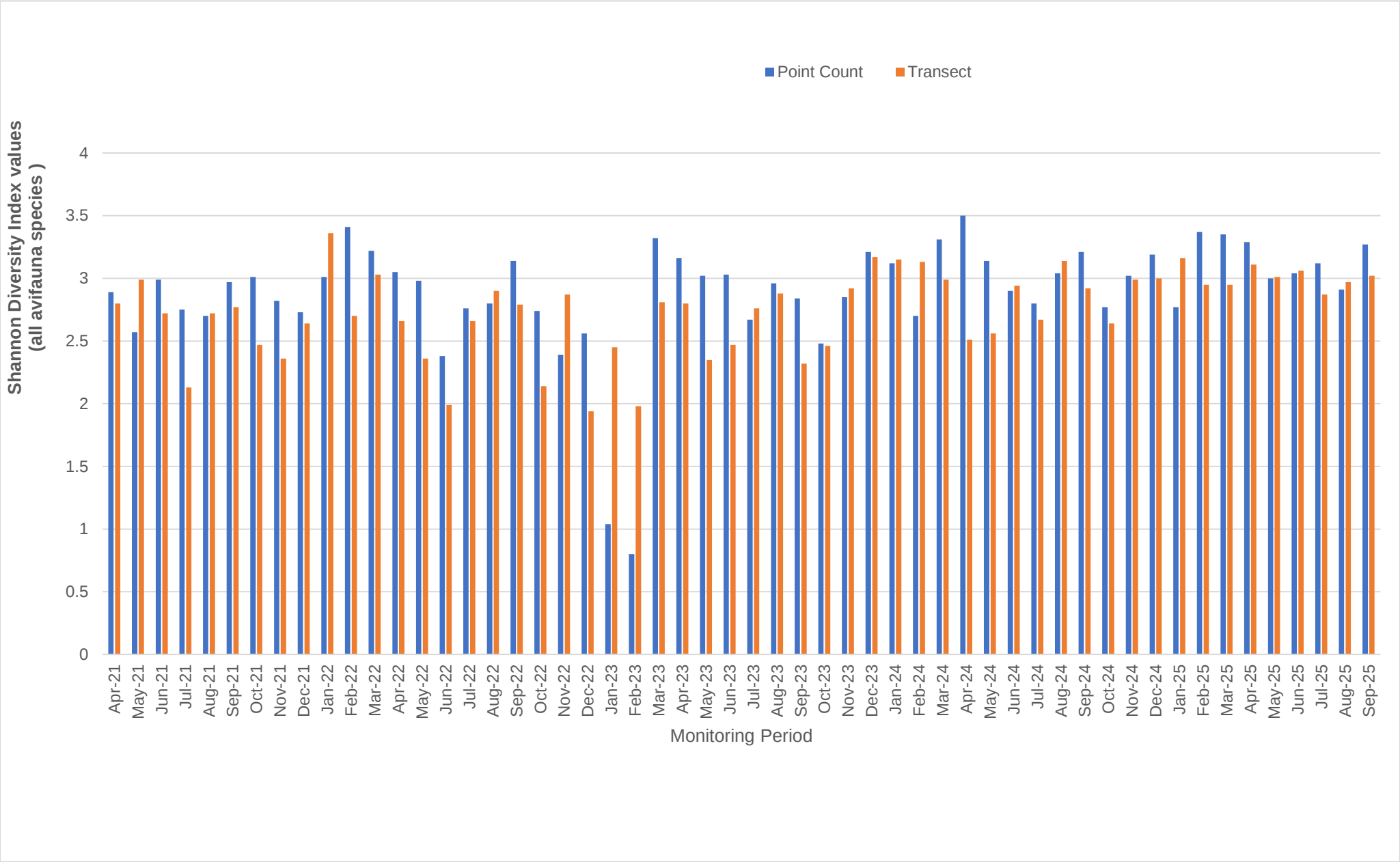
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



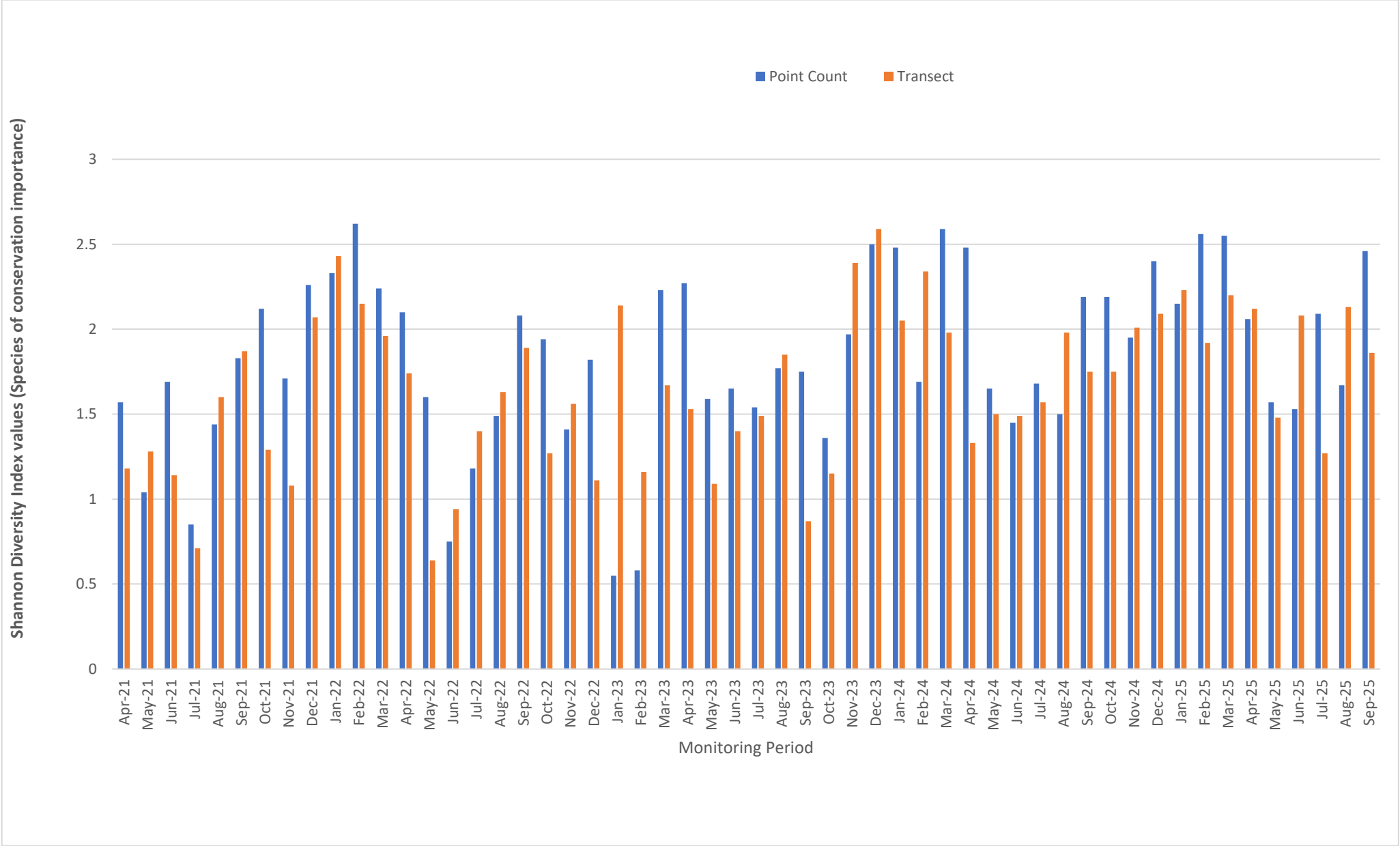
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



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	September 2016	September 2025
Total	222	242
Richness	34	39
H	3.0108	3.2711
S ² H	0.003981	0.002983
t	3.1192	
df	448.3775	
Crit	1.9653	
p	1.93E-03	
CI	0.1262	0.1092

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

Months	September 2016	September 2025
Total	119	114
Richness	27	29
H	2.9536	3.0217
S ² H	0.00573	0.006542
t	0.6145	
df	231.2175	
Crit	1.9703	
p	5.39E-01	
CI	0.1514	0.1618

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

Months	September 2016	September 2025
Total	119	111
Richness	12	17
H	2.0436	2.4605
S ² H	0.005632	0.006198
t	3.8337	
df	228.4366	
Crit	1.9704	
p	1.63E-04	
CI	0.1501	0.1575

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

Months	September 2016	September 2025
Total	45	40
Richness	9	11
H	1.7874	1.8632
S ² H	0.01646	0.02687
t	0.3641	
df	77.9928	
Crit	1.9913	
p	7.17E-01	
CI	0.2566	0.3279