Air Quality Monitoring Results

1-hour TSP Monitoring Result for

Contract No. SPW 01/2025

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

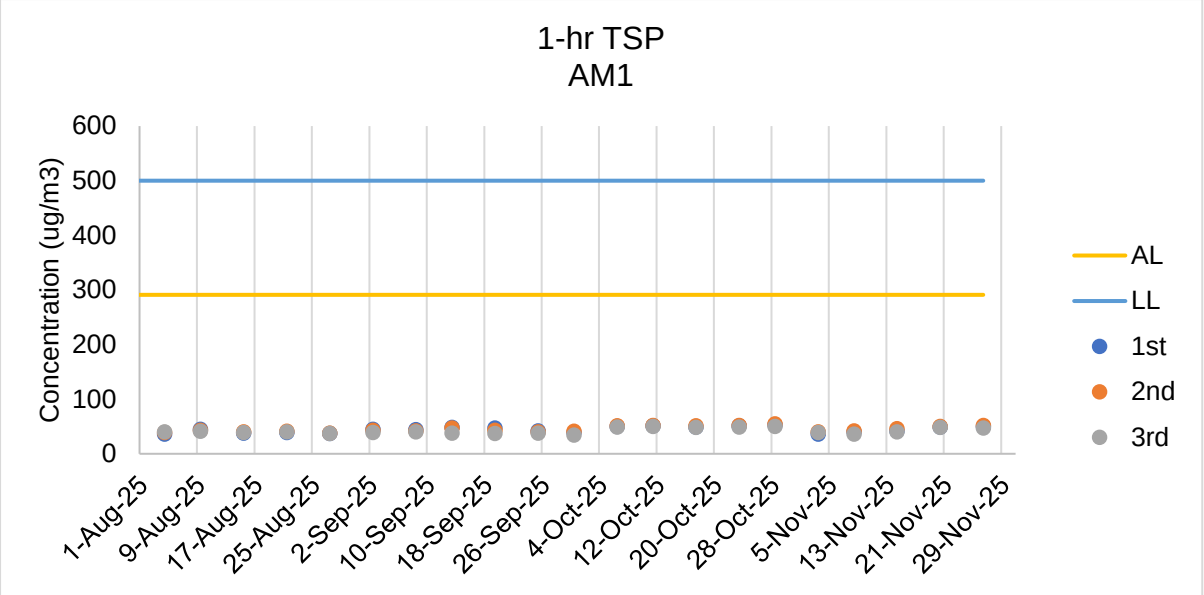
AM1 - Topfine Machinery (China) Co. Ltd.

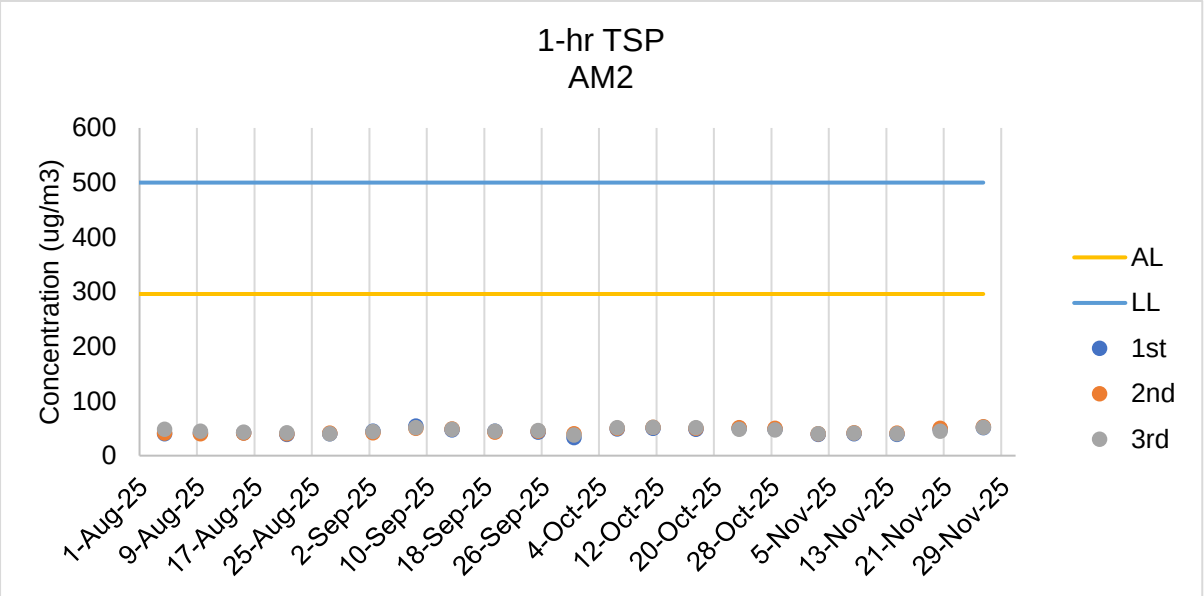
Date	Weather Condition	Start Time	1-hour TSP (µg/m³) 1st Measurement	2nd Measurement	3rd Measurement	Action Level (ug/m^3)	Limit Level (ug/m^3)
3/11/2025	Fine	8:11	36	40	39	291	500
8/11/2025	Fine	8:00	40	42	36		
14/11/2025	Fine	8:23	42	46	40		
20/11/2025	Fine	8:09	49	50	48		
26/11/2025	Fine	8:14	50	52	47		
		Min	36				
		Max	52				
		Average	44				

AM2 - Squatter house at the west of Yuen Long STW

Date	Weather Condition	Start Time	1-hour TSP (µg/m³) 1st Measurement	2nd Measurement	3rd Measurement	Action Level (ug/m^3)	Limit Level (ug/m^3)
3/11/2025	Fine	14:22	39	40	40	296	500
8/11/2025	Fine	14:01	40	42	41		
14/11/2025	Fine	14:28	39	41	40		
20/11/2025	Fine	14:10	48	50	45		
26/11/2025	Fine	13:14	51	53	52		
		Min	39				
		Max	53				
		Average	44				

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)
3/11/2025	10:11	55.2	56.6	53.2	0.3	Fine	75
14/11/2025	10:19	56.1	57.6	54.5	0.0	Fine	75
20/11/2025	10:03	58.7	59.6	57.5	0.0	Fine	75
26/11/2025	10:18	60.3	61.5	59.1	0.8	Fine	75
	Max	60.3					
	Min	55.2					

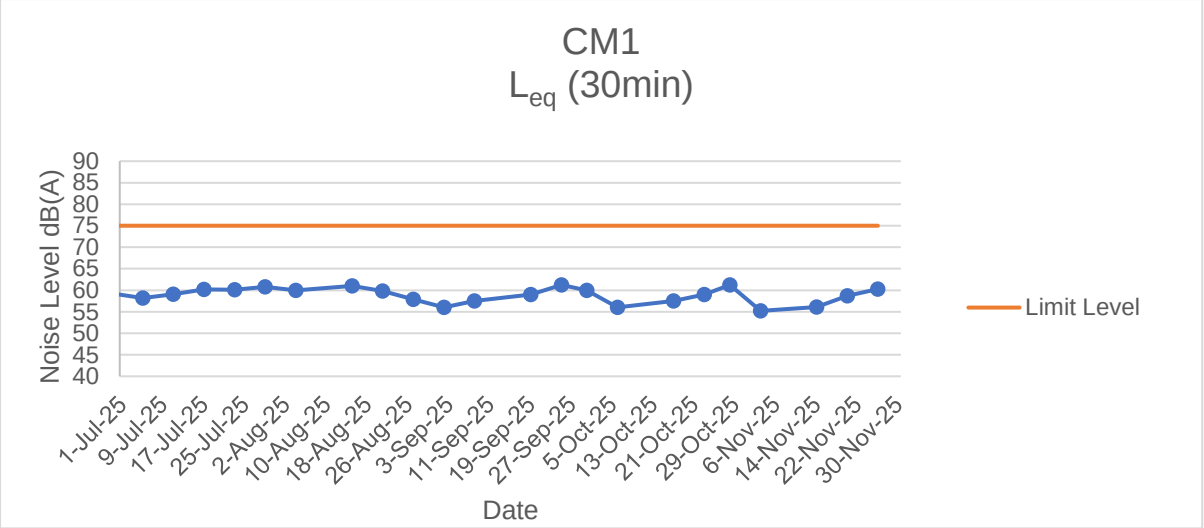
CM2 - Squatter house to the west of YLSTW

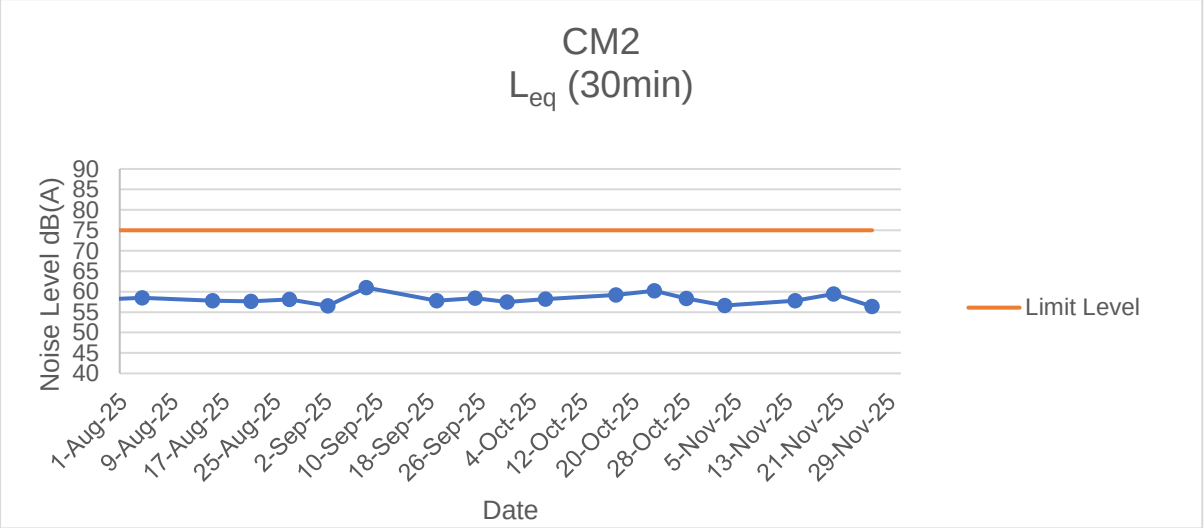
Date	Start Time	L_{eq} 30min dB(A)	L_{10} dB(A)	L_{90} dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
3/11/2025	14:22	56.6	58.2	54.5	0.2	Fine	75
14/11/2025	14:28	57.8	59.2	55.2	0.4	Fine	75
20/11/2025	14:10	59.4	60.2	57.6	0.1	Fine	75
26/11/2025	13:14	56.4	58.1	54.5	0.6	Fine	75
	Max	59.4					
	Min	56.4					

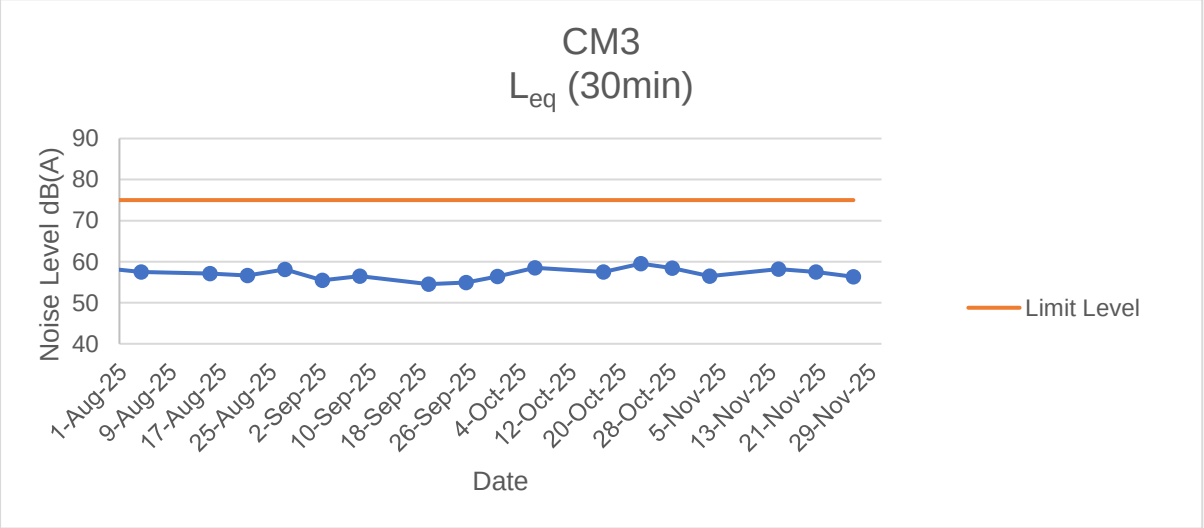
CM3 - Squatter house to the east of YLSTW

Date	Start Time	L_{eq} 30min dB(A)	L_{10} dB(A)	L_{90} dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
3/11/2025	8:40	56.5	57.5	55.2	0.6	Fine	75
14/11/2025	8:50	58.2	59.5	56.2	0.3	Fine	75
20/11/2025	8:35	57.5	60.2	55.2	0.5	Fine	75
26/11/2025	8:45	56.3	57.5	53.6	0.7	Fine	75
	Max	58.2					
	Min	56.3					

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	0/11/2025	Mid-Flood	Sunny	Low	9:23	2.4	M	1.20	1	0.082	189.993	7.15	7.15	3.93	3.89	24.4	24.45	40.0	39.20	2.92	2.86	22.30	22.2	2.5	3
M1	0/11/2025	Mid-Flood	Sunny	Low	9:23	2.4	M	1.20	2			7.14		3.84		24.5		38.4		2.8		22.1		4	
M2	0/11/2025	Mid-Flood	Sunny	Low	9:55	2.2	M	1.10	1	0.08	184.088	7.15	7.14	3.87	3.94	24.4	24.45	41.4	41.50	3.02	3.03	23.50	23.445	4	4
M2	0/11/2025	Mid-Flood	Sunny	Low	9:55	2.2	M	1.10	2			7.13		4.01		24.5		41.6		3.04		23.39		3	
M3	0/11/2025	Mid-Flood	Sunny	Low	10:12	1.9	M	0.95	1	0.094	183.725	7.16	7.15	4.29	4.31	24.4	24.40	53.7	53.50	3.92	3.91	31.30	31.15	4	3
M3	0/11/2025	Mid-Flood	Sunny	Low	10:12	1.9	M	0.95	2			7.14		4.33		24.4		53.3		3.89		31		2.5	
M1	0/11/2025	Mid-Ebb	Sunny	Low	16:36	2.4	M	1.20	1	0.065	308.051	7.13	7.12	3.77	3.81	24.0	24.05	40.3	40.15	2.94	2.93	21.98	22	3	3
M1	0/11/2025	Mid-Ebb	Sunny	Low	16:36	2.4	M	1.20	2			7.11		3.84		24.1		40.0		2.92		22.02		3	
M2	0/11/2025	Mid-Ebb	Sunny	Low	17:05	2.2	M	1.10	1	0.072	324.164	7.14	7.14	3.75	3.72	24.0	24.05	40.4	40.90	2.95	2.99	23.37	23.525	2.5	3
M2	0/11/2025	Mid-Ebb	Sunny	Low	17:05	2.2	M	1.10	2			7.14		3.69		24.1		41.4		3.02		23.68		4	
M3	0/11/2025	Mid-Ebb	Sunny	Low	17:21	1.9	M	0.95	1	0.067	337.786	7.16	7.16	3.95	3.96	24.0	24.05	54.7	55.15	3.99	4.03	31.88	31.74	3	3
M3	0/11/2025	Mid-Ebb	Sunny	Low	17:22	1.9	M	0.95	2			7.16		3.96		24.1		55.6		4.06		31.6		2.5	

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	4/11/2025	Mid-Flood	Sunny	Low	12:08	2.4	M	1.20	1	0.083	172.043	7.11	7.12	3.28	3.31	22.6	22.60	40.7	40.40	2.97	2.95	24.80	24.975	19	18
M1	4/11/2025	Mid-Flood	Sunny	Low	12:08	2.4	M	1.20	2			7.12		3.34		22.6		40.1		2.93		25.15		16	
M2	4/11/2025	Mid-Flood	Sunny	Low	12:49	2.1	M	1.05	1	0.092	186.856	7.09	7.09	3.36	3.38	22.6	22.65	42.2	41.65	3.08	3.04	25.33	25.32	14	17
M2	4/11/2025	Mid-Flood	Sunny	Low	12:49	2.1	M	1.05	2			7.09		3.4		22.7		41.1		3		25.31		20	
M3	4/11/2025	Mid-Flood	Sunny	Low	12:58	1.8	M	0.90	1	0.091	176.718	7.14	7.14	4.05	4.05	22.6	22.60	53.6	53.45	3.91	3.90	33.26	33.3	19	18
M3	4/11/2025	Mid-Flood	Sunny	Low	12:59	1.8	M	0.90	2			7.13		4.04		22.6		53.3		3.89		33.34		16	
M1	4/11/2025	Mid-Ebb	Sunny	Low	18:32	2.3	M	1.15	1	0.066	320.744	7.09	7.10	3.35	3.30	22.4	22.45	39.3	39.65	2.87	2.90	25.08	25.005	20	20
M1	4/11/2025	Mid-Ebb	Sunny	Low	18:32	2.3	M	1.15	2			7.11		3.25		22.5		40.0		2.92		24.93		19	
M2	4/11/2025	Mid-Ebb	Sunny	Low	17:57	2.1	M	1.05	1	0.079	320.399	7.08	7.09	3.41	3.45	22.4	22.45	40.6	40.30	2.96	2.94	25.18	25.34	20	19
M2	4/11/2025	Mid-Ebb	Sunny	Low	17:57	2.1	M	1.05	2			7.09		3.49		22.5		40.0		2.92		25.5		18	
M3	4/11/2025	Mid-Ebb	Sunny	Low	19:11	1.9	M	0.95	1	0.063	327.498	7.14	7.13	4.13	4.10	22.4	22.45	55.5	55.00	4.05	4.02	32.88	32.76	22	20
M3	4/11/2025	Mid-Ebb	Sunny	Low	19:11	1.9	M	0.95	2			7.12		4.07		22.5		54.5		3.98		32.64		17	

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	6/11/2025	Mid-Flood	Sunny	Low	13:33	2.5	M	1.25	1	0.091	180.249	7.09	7.08	4.11	4.12	26.5	26.55	39.5	39.35	2.88	2.87	24.55	24.535	52	49
M1	6/11/2025	Mid-Flood	Sunny	Low	13:33	2.5	M	1.25	2			7.07		4.12		26.6		39.2		2.86		24.52		46	
M2	6/11/2025	Mid-Flood	Sunny	Low	14:05	2.3	M	1.15	1	0.085	186.866	7.08	7.09	4.35	4.38	26.5	26.55	39.9	39.20	2.91	2.86	25.54	25.655	63	58
M2	6/11/2025	Mid-Flood	Sunny	Low	14:05	2.3	M	1.15	2			7.1		4.41		26.6		38.5		2.81		25.77		52	
M3	6/11/2025	Mid-Flood	Sunny	Low	14:13	1.9	M	0.95	1	0.079	174.992	7.12	7.11	4.58	4.58	26.5	26.50	53.2	52.75	3.88	3.85	32.09	32.255	60	53
M3	6/11/2025	Mid-Flood	Sunny	Low	14:13	1.9	M	0.95	2			7.1		4.57		26.5		52.3		3.82		32.42		46	
M1	6/11/2025	Mid-Ebb	Sunny	Low	8:33	2.4	M	1.20	1	0.073	328.95	7.09	7.10	3.96	3.98	26.2	26.20	38.8	38.50	2.83	2.81	24.33	24.42	58	50
M1	6/11/2025	Mid-Ebb	Sunny	Low	8:34	2.4	M	1.20	2			7.1		4		26.2		38.2		2.79		24.51		42	
M2	6/11/2025	Mid-Ebb	Sunny	Low	8:02	2.2	M	1.10	1	0.078	323.196	7.11	7.10	4.21	4.22	26.2	26.20	40.4	40.60	2.95	2.97	24.88	24.735	41	45
M2	6/11/2025	Mid-Ebb	Sunny	Low	8:02	2.2	M	1.10	2			7.09		4.22		26.2		40.8		2.98		24.59		49	
M3	6/11/2025	Mid-Ebb	Sunny	Low	8:49	1.9	M	0.95	1	0.077	336.092	7.13	7.14	4.50	4.46	26.2	26.25	53.3	53.30	3.89	3.89	33.89	33.9	48	50
M3	6/11/2025	Mid-Ebb	Sunny	Low	8:49	1.9	M	0.95	2			7.14		4.42		26.3		53.3		3.89		33.91		51	

Remark

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

For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	8/11/2025	Mid-Flood	Cloudy	Low	14:56	2.5	M	1.25	1	0.088	179.827	7.15	7.15	3.03	3.08	27.2	27.20	41.0	41.40	2.99	3.03	22.60	22.535	5	5
M1	8/11/2025	Mid-Flood	Cloudy	Low	14:56	2.5	M	1.25	2			7.15		3.12		27.2		41.8		3.07		22.47		4	
M2	8/11/2025	Mid-Flood	Cloudy	Low	15:33	2.2	M	1.10	1	0.075	181.691	7.16	7.16	3.12	3.10	27.2	27.25	39.5	39.70	2.88	2.90	23.52	23.645	3	3
M2	8/11/2025	Mid-Flood	Cloudy	Low	15:34	2.2	M	1.10	2			7.15		3.08		27.3		39.9		2.91		23.77		3	
M3	8/11/2025	Mid-Flood	Cloudy	Low	15:48	1.8	M	0.90	1	0.088	180.675	7.19	7.19	3.66	3.64	27.2	27.25	54.1	53.85	3.95	3.93	32.33	32.185	7	6
M3	8/11/2025	Mid-Flood	Cloudy	Low	15:48	1.8	M	0.90	2			7.18		3.61		27.3		53.6		3.91		32.04		5	
M1	8/11/2025	Mid-Ebb	Cloudy	Low	10:39	2.4	M	1.20	1	0.06	305.67	7.14	7.15	2.91	2.91	26.9	26.90	42.1	41.40	3.07	3.02	23.08	23.055	2.5	3
M1	8/11/2025	Mid-Ebb	Cloudy	Low	10:40	2.4	M	1.20	2			7.16		2.91		26.9		40.7		2.97		23.03		2.5	
M2	8/11/2025	Mid-Ebb	Cloudy	Low	10:03	2.2	M	1.10	1	0.073	328.164	7.15	7.16	2.94	2.96	26.9	26.90	41.6	41.35	3.04	3.02	25.27	25.145	4	3
M2	8/11/2025	Mid-Ebb	Cloudy	Low	10:04	2.2	M	1.10	2			7.16		2.97		26.9		41.1		3		25.02		2.5	
M3	8/11/2025	Mid-Ebb	Cloudy	Low	10:48	1.9	M	0.95	1	0.066	321.85	7.2	7.21	3.78	3.79	26.9	26.90	53.3	53.70	3.89	3.92	34.58	34.52	4	3
M3	8/11/2025	Mid-Ebb	Cloudy	Low	10:48	1.9	M	0.95	2			7.21		3.8		26.9		54.1		3.95		34.46		2.5	

Remark

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

For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	11/11/2025	Mid-Flood	Cloudy	Low	8:06	2.6	M	1.30	1	0.074	176.925	7.21	7.21	2.93	2.95	22.1	22.10	46.0	46.15	3.36	3.37	25.88	26.005	57	83
M1	11/11/2025	Mid-Flood	Cloudy	Low	8:06	2.6	M	1.30	2			7.2		2.97		22.1		46.3		3.38		26.13		108	
M2	11/11/2025	Mid-Flood	Cloudy	Low	8:38	2.3	M	1.15	1	0.077	170.965	7.18	7.18	2.89	2.89	22.1	22.15	50.6	51.20	3.69	3.74	26.50	26.57	77	64
M2	11/11/2025	Mid-Flood	Cloudy	Low	8:38	2.3	M	1.15	2			7.18		2.88		22.2		51.8		3.78		26.64		50	
M3	11/11/2025	Mid-Flood	Cloudy	Low	8:49	2	M	1.00	1	0.084	181.514	7.23	7.23	3.41	3.44	22.1	22.15	57.7	57.50	4.21	4.20	35.10	34.99	62	53
M3	11/11/2025	Mid-Flood	Cloudy	Low	8:49	2	M	1.00	2			7.23		3.47		22.2		57.3		4.18		34.88		44	
M1	11/11/2025	Mid-Ebb	Cloudy	Low	16:45	2.5	M	1.25	1	0.073	320.107	7.18	7.17	2.71	2.70	22.4	22.40	47.7	48.25	3.48	3.52	26.11	26.15	62	80
M1	11/11/2025	Mid-Ebb	Cloudy	Low	16:45	2.5	M	1.25	2			7.16		2.69		22.4		48.8		3.56		26.19		98	
M2	11/11/2025	Mid-Ebb	Cloudy	Low	16:12	2.2	M	1.10	1	0.072	324.821	7.19	7.20	2.76	2.73	22.4	22.40	48.6	48.30	3.55	3.53	25.99	25.95	66	74
M2	11/11/2025	Mid-Ebb	Cloudy	Low	16:12	2.2	M	1.10	2			7.21		2.69		22.4		48.0		3.5		25.91		82	
M3	11/11/2025	Mid-Ebb	Cloudy	Low	16:51	1.9	M	0.95	1	0.065	311.902	7.24	7.23	3.41	3.40	22.4	22.40	61.4	61.55	4.48	4.49	35.89	35.895	82	80
M3	11/11/2025	Mid-Ebb	Cloudy	Low	16:51	1.9	M	0.95	2			7.22		3.38		22.4		61.7		4.5		35.9		78	

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	99	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	92.4	100.1

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	13/11/2025	Mid-Flood	Cloudy	Low	10:44	2.4	M	1.20	1	0.08	188.697	7.11	7.11	3.29	3.32	22.8	22.80	43.4	44.20	3.17	3.22	21.05	20.985	41	38
M1	13/11/2025	Mid-Flood	Cloudy	Low	10:44	2.4	M	1.20	2			7.11		3.35		22.8		45.0		3.26		20.92		34	
M2	13/11/2025	Mid-Flood	Cloudy	Low	11:16	2.2	M	1.10	1	0.088	179.388	7.11	7.10	3.24	3.26	22.8	22.80	44.3	45.00	3.21	3.26	22.43	22.435	40	39
M2	13/11/2025	Mid-Flood	Cloudy	Low	11:16	2.2	M	1.10	2			7.09		3.27		22.8		45.7		3.31		22.44		38	
M3	13/11/2025	Mid-Flood	Cloudy	Low	11:29	1.9	M	0.95	1	0.092	184.145	7.16	7.15	3.88	3.91	22.8	22.85	58.1	57.55	4.21	4.17	31.23	31.33	31	30
M3	13/11/2025	Mid-Flood	Cloudy	Low	11:29	1.9	M	0.95	2			7.14		3.94		22.9		57.0		4.13		31.43		29	
M1	13/11/2025	Mid-Ebb	Cloudy	Low	15:49	2.4	M	1.20	1	0.067	339.499	7.12	7.12	3.21	3.17	23.0	23.05	42.4	42.45	3.07	3.08	21.19	21.32	31	31
M1	13/11/2025	Mid-Ebb	Cloudy	Low	15:49	2.4	M	1.20	2			7.12		3.12		23.1		42.5		3.08		21.45		31	
M2	13/11/2025	Mid-Ebb	Cloudy	Low	15:18	2.2	M	1.10	1	0.072	318.394	7.13	7.12	3.39	3.37	23.0	23.05	43.7	44.35	3.17	3.22	22.16	22.225	55	48
M2	13/11/2025	Mid-Ebb	Cloudy	Low	15:18	2.2	M	1.10	2			7.11		3.35		23.1		45.0		3.26		22.29		41	
M3	13/11/2025	Mid-Ebb	Cloudy	Low	15:58	2	M	1.00	1	0.073	322.291	7.18	7.18	3.98	4.00	23.0	23.05	56.7	56.30	4.11	4.08	31.99	32.085	48	46
M3	13/11/2025	Mid-Ebb	Cloudy	Low	15:58	2	M	1.00	2			7.17		4.01		23.1		55.9		4.05		32.18		43	

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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	15/11/2025	Mid-Flood	Sunny	Low	9:59	2.2	M	1.10	1	0.081	187.582	7.12	7.13	3.35	3.31	25.5	25.55	44.9	44.20	3.23	3.18	19.57	19.475	6	6
M1	15/11/2025	Mid-Flood	Sunny	Low	9:59	2.2	M	1.10	2			7.13		3.26		25.6		43.5		3.13		19.38		5	
M2	15/11/2025	Mid-Flood	Sunny	Low	10:34	2	M	1.00	1	0.09	170.771	7.13	7.14	3.44	3.41	25.5	25.55	44.3	45.10	3.19	3.25	20.24	20.145	4	4
M2	15/11/2025	Mid-Flood	Sunny	Low	10:34	2	M	1.00	2			7.14		3.38		25.6		45.9		3.3		20.05		4	
M3	15/11/2025	Mid-Flood	Sunny	Low	10:45	1.8	M	0.90	1	0.08	179.154	7.18	7.19	3.95	3.98	25.5	25.50	58.9	59.00	4.24	4.25	26.88	26.845	4	3
M3	15/11/2025	Mid-Flood	Sunny	Low	10:45	1.8	M	0.90	2			7.2		4.01		25.5		59.1		4.25		26.81		2.5	
M1	15/11/2025	Mid-Ebb	Sunny	Low	17:01	2.1	M	1.05	1	0.076	339.924	7.11	7.11	3.23	3.25	25.4	25.45	41.6	42.05	2.99	3.03	18.17	18.22	5	4
M1	15/11/2025	Mid-Ebb	Sunny	Low	17:01	2.1	M	1.05	2			7.11		3.26		25.5		42.5		3.06		18.27		2.5	
M2	15/11/2025	Mid-Ebb	Sunny	Low	16:33	2	M	1.00	1	0.077	329.578	7.12	7.13	3.37	3.35	25.4	25.40	42.4	42.35	3.05	3.05	18.59	18.685	3	3
M2	15/11/2025	Mid-Ebb	Sunny	Low	16:33	2	M	1.00	2			7.13		3.33		25.4		42.3		3.04		18.78		3	
M3	15/11/2025	Mid-Ebb	Sunny	Low	17:16	1.9	M	0.95	1	0.081	301.498	7.19	7.18	4.08	4.10	25.4	25.40	59.9	59.15	4.31	4.26	27.73	27.765	2.5	3
M3	15/11/2025	Mid-Ebb	Sunny	Low	17:16	1.9	M	0.95	2			7.17		4.12		25.4		58.4		4.2		27.8		2.5	

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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	18/11/2025	Mid-Flood	Cloudy	Low	12:09	2.5	M	1.25	1	0.085	165.599	7.11	7.11	3.29	3.25	21.1	21.10	44.4	43.55	3.15	3.09	24.91	24.75	20	11
M1	18/11/2025	Mid-Flood	Cloudy	Low	12:09	2.5	M	1.25	2			7.11		3.21		21.1		42.7		3.03		24.59		2	
M2	18/11/2025	Mid-Flood	Cloudy	Low	12:35	2.3	M	1.15	1	0.091	164.149	7.12	7.12	3.21	3.20	21.1	21.15	45.3	45.75	3.21	3.25	25.11	24.91	25	22
M2	18/11/2025	Mid-Flood	Cloudy	Low	12:35	2.3	M	1.15	2			7.12		3.18		21.2		46.2		3.28		24.71		19	
M3	18/11/2025	Mid-Flood	Cloudy	Low	12:55	2	M	1.00	1	0.081	173.002	7.18	7.18	3.99	4.01	21.1	21.15	54.7	54.40	3.88	3.86	33.58	33.48	30	26
M3	18/11/2025	Mid-Flood	Cloudy	Low	12:55	2	M	1.00	2			7.17		4.02		21.2		54.1		3.84		33.38		22	
M1	18/11/2025	Mid-Ebb	Cloudy	Low	16:45	2.4	M	1.20	1	0.069	327.545	7.09	7.10	3.12	3.11	20.8	20.80	43.0	43.80	3.05	3.11	23.16	22.965	22	22
M1	18/11/2025	Mid-Ebb	Cloudy	Low	16:45	2.4	M	1.20	2			7.11		3.1		20.8		44.6		3.16		22.77		21	
M2	18/11/2025	Mid-Ebb	Cloudy	Low	16:12	2.1	M	1.05	1	0.059	331.73	7.11	7.11	3.29	3.27	20.8	20.80	41.2	40.90	2.92	2.90	24.15	24.22	17	20
M2	18/11/2025	Mid-Ebb	Cloudy	Low	16:12	2.1	M	1.05	2			7.1		3.25		20.8		40.6		2.88		24.29		22	
M3	18/11/2025	Mid-Ebb	Cloudy	Low	16:55	1.9	M	0.95	1	0.064	321.099	7.19	7.20	4.18	4.22	20.8	20.80	55.3	54.95	3.92	3.90	33.93	34.06	22	25
M3	18/11/2025	Mid-Ebb	Cloudy	Low	16:55	1.9	M	0.95	2			7.21		4.25		20.8		54.6		3.87		34.19		28	

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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	20/11/2025	Mid-Flood	Sunny	Low	12:31	2.6	M	1.30	1	0.086	171.156	7.09	7.08	2.98	2.99	20.2	20.25	42.5	42.90	2.99	3.02	22.99	22.82	16	24
M1	20/11/2025	Mid-Flood	Sunny	Low	12:31	2.6	M	1.30	2			7.07		2.99		20.3		43.3		3.05		22.65		31	
M2	20/11/2025	Mid-Flood	Sunny	Low	13:06	2.3	M	1.15	1	0.079	176.382	7.11	7.12	2.93	2.93	20.2	20.20	40.9	41.55	2.88	2.93	23.39	23.315	24	21
M2	20/11/2025	Mid-Flood	Sunny	Low	13:06	2.3	M	1.15	2			7.12		2.93		20.2		42.2		2.97		23.24		18	
M3	20/11/2025	Mid-Flood	Sunny	Low	13:18	2.1	M	1.05	1	0.084	175.034	7.16	7.15	3.32	3.28	20.2	20.25	56.5	56.10	3.98	3.95	31.28	31.385	29	31
M3	20/11/2025	Mid-Flood	Sunny	Low	13:18	2.1	M	1.05	2			7.14		3.24		20.3		55.7		3.92		31.49		33	
M1	20/11/2025	Mid-Ebb	Sunny	Low	8:39	2.4	M	1.20	1	0.067	301.662	7.09	7.10	2.76	2.76	19.8	19.80	43.7	43.80	3.08	3.09	23.03	23.07	23	26
M1	20/11/2025	Mid-Ebb	Sunny	Low	8:39	2.4	M	1.20	2			7.11		2.76		19.8		43.9		3.09		23.11		28	
M2	20/11/2025	Mid-Ebb	Sunny	Low	8:03	2.2	M	1.10	1	0.08	304.508	7.1	7.11	2.69	2.73	19.8	19.85	42.7	42.10	3.01	2.97	23.95	23.83	39	33
M2	20/11/2025	Mid-Ebb	Sunny	Low	8:04	2.2	M	1.10	2			7.12		2.77		19.9		41.5		2.92		23.71		27	
M3	20/11/2025	Mid-Ebb	Sunny	Low	8:49	2	M	1.00	1	0.067	313.668	7.15	7.16	3.57	3.55	19.8	19.85	57.5	57.60	4.05	4.06	32.25	32.095	25	31
M3	20/11/2025	Mid-Ebb	Sunny	Low	8:49	2	M	1.00	2			7.16		3.52		19.9		57.7		4.06		31.94		37	

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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	22/11/2025	Mid-Flood	Sunny	Low	14:29	2.4	M	1.20	1	0.073	162.544	7.1	7.10	3.12	3.08	24.1	24.10	37.9	37.54	2.77	2.74	23.24	23.355	5	4
M1	22/11/2025	Mid-Flood	Sunny	Low	14:29	2.4	M	1.20	2			7.09		3.03		24.1		37.1		2.71		23.47		3	
M2	22/11/2025	Mid-Flood	Sunny	Low	15:06	2.1	M	1.05	1	0.08	161.407	7.11	7.10	3.19	3.22	24.1	24.10	37.1	37.74	2.71	2.76	23.88	23.92	3	4
M2	22/11/2025	Mid-Flood	Sunny	Low	15:06	2.1	M	1.05	2			7.09		3.24		24.1		38.4		2.8		23.96		4	
M3	22/11/2025	Mid-Flood	Sunny	Low	15:21	1.9	M	0.95	1	0.091	177.32	7.15	7.14	3.69	3.70	24.1	24.15	51.5	51.65	3.76	3.77	31.03	30.995	4	5
M3	22/11/2025	Mid-Flood	Sunny	Low	15:21	1.9	M	0.95	2			7.13		3.71		24.2		51.8		3.78		30.96		5	
M1	22/11/2025	Mid-Ebb	Sunny	Low	9:55	2.3	M	1.15	1	0.065	300.557	7.11	7.11	3.15	3.12	23.8	23.80	38.5	38.70	2.81	2.83	24.93	24.9	6	5
M1	22/11/2025	Mid-Ebb	Sunny	Low	9:55	2.3	M	1.15	2			7.1		3.08		23.8		38.9		2.84		24.87		3	
M2	22/11/2025	Mid-Ebb	Sunny	Low	9:26	2.1	M	1.05	1	0.079	308.668	7.12	7.11	2.71	2.68	23.8	23.80	36.0	36.51	2.63	2.67	23.88	23.975	3	3
M2	22/11/2025	Mid-Ebb	Sunny	Low	9:26	2.1	M	1.05	2			7.1		2.64		23.8		37.0		2.7		24.07		3	
M3	22/11/2025	Mid-Ebb	Sunny	Low	10:10	1.8	M	0.90	1	0.061	335.69	7.17	7.16	3.39	3.42	23.8	23.80	53.8	53.02	3.93	3.87	32.05	31.905	5	4
M3	22/11/2025	Mid-Ebb	Sunny	Low	10:10	1.8	M	0.90	2			7.15		3.45		23.8		52.2		3.81		31.76		2.5	

Remark

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

For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	25/11/2025	Mid-Flood	Sunny	Low	16:16	2.3	M	1.15	1	0.084	183.966	7.11	7.10	3.15	3.15	23.4	23.45	40.8	40.40	2.98	2.95	23.55	23.58	19	24
M1	25/11/2025	Mid-Flood	Sunny	Low	16:17	2.3	M	1.15	2			7.09		3.15		23.5		40.0		2.92		23.61		28	
M2	25/11/2025	Mid-Flood	Sunny	Low	16:45	2	M	1.00	1	0.081	184.868	7.12	7.12	3.11	3.13	23.4	23.45	41.8	41.95	3.05	3.06	24.38	24.29	36	27
M2	25/11/2025	Mid-Flood	Sunny	Low	16:45	2	M	1.00	2			7.12		3.15		23.5		42.1		3.07		24.2		18	
M3	25/11/2025	Mid-Flood	Sunny	Low	16:53	1.8	M	0.90	1	0.086	170.876	7.18	7.17	3.69	3.67	23.4	23.40	55.1	55.00	3.99	3.99	32.97	32.955	45	41
M3	25/11/2025	Mid-Flood	Sunny	Low	16:53	1.8	M	0.90	2			7.16		3.64		23.4		54.9		3.98		32.94		37	
M1	25/11/2025	Mid-Ebb	Sunny	Low	12:05	2.3	M	1.15	1	0.071	328.828	7.09	7.10	3.06	3.03	23.6	23.65	39.7	39.65	2.88	2.88	22.93	23.04	51	51
M1	25/11/2025	Mid-Ebb	Sunny	Low	12:05	2.3	M	1.15	2			7.11		2.99		23.7		39.6		2.87		23.15		51	
M2	25/11/2025	Mid-Ebb	Sunny	Low	11:38	2.1	M	1.05	1	0.058	335.494	7.11	7.12	3.12	3.08	23.6	23.60	40.4	40.30	2.93	2.92	23.45	23.27	53	50
M2	25/11/2025	Mid-Ebb	Sunny	Low	11:38	2.1	M	1.05	2			7.12		3.04		23.6		40.2		2.91		23.09		46	
M3	25/11/2025	Mid-Ebb	Sunny	Low	12:23	1.8	M	0.90	1	0.06	328.041	7.19	7.19	3.77	3.73	23.6	23.65	56.0	55.00	4.06	3.99	33.25	33.24	40	34
M3	25/11/2025	Mid-Ebb	Sunny	Low	12:23	1.8	M	0.90	2			7.18		3.69		23.7		54.0		3.91		33.23		27	

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	27/11/2025	Mid-Flood	Sunny	Low	8:03	2.6	M	1.30	1	0.087	163.738	7.06	7.06	3.13	3.12	20.5	20.50	41.6	41.60	2.99	2.99	22.44	22.595	33	31
M1	27/11/2025	Mid-Flood	Sunny	Low	8:03	2.6	M	1.30	2			7.06		3.1		20.5		41.6		2.99		22.75		28	
M2	27/11/2025	Mid-Flood	Sunny	Low	8:36	2.4	M	1.20	1	0.09	166.765	7.07	7.08	3.28	3.32	20.5	20.55	42.9	43.25	3.08	3.11	23.30	23.28	30	29
M2	27/11/2025	Mid-Flood	Sunny	Low	8:36	2.4	M	1.20	2			7.09		3.35		20.6		43.6		3.13		23.26		27	
M3	27/11/2025	Mid-Flood	Sunny	Low	8:45	2.2	M	1.10	1	0.081	184.16	7.12	7.12	3.94	3.90	20.5	20.55	54.2	53.10	3.89	3.82	28.95	28.89	22	21
M3	27/11/2025	Mid-Flood	Sunny	Low	8:45	2.2	M	1.10	2			7.11		3.86		20.6		52.0		3.74		28.83		20	
M1	27/11/2025	Mid-Ebb	Sunny	Low	14:05	2.5	M	1.25	1	0.062	313.836	7.07	7.07	3.16	3.17	20.8	20.80	40.4	39.40	2.91	2.84	21.12	21.155	20	22
M1	27/11/2025	Mid-Ebb	Sunny	Low	14:05	2.5	M	1.25	2			7.07		3.18		20.8		38.4		2.76		21.19		24	
M2	27/11/2025	Mid-Ebb	Sunny	Low	13:30	2.3	M	1.15	1	0.063	339.079	7.08	7.08	3.27	3.26	20.8	20.85	43.2	43.50	3.11	3.13	23.38	23.165	33	36
M2	27/11/2025	Mid-Ebb	Sunny	Low	13:30	2.3	M	1.15	2			7.08		3.24		20.9		43.8		3.15		22.95		38	
M3	27/11/2025	Mid-Ebb	Sunny	Low	14:16	2.1	M	1.05	1	0.065	330.102	7.13	7.13	4.04	4.03	20.8	20.85	56.3	56.15	4.05	4.04	30.95	30.88	22	25
M3	27/11/2025	Mid-Ebb	Sunny	Low	14:16	2.1	M	1.05	2			7.12		4.01		20.9		56.0		4.03		30.81		28	

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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	29/11/2025	Mid-Flood	Sunny	Low	10:21	2.5	M	1.25	1	0.073	180.643	7.13	7.13	3.19	3.16	20.8	20.85	39.9	38.85	2.91	2.84	25.71	25.745	2.5	3
M1	29/11/2025	Mid-Flood	Sunny	Low	10:21	2.5	M	1.25	2			7.12		3.12		20.9		37.8		2.76		25.78		2.5	
M2	29/11/2025	Mid-Flood	Sunny	Low	10:55	2.4	M	1.20	1	0.09	183.893	7.14	7.15	3.27	3.28	20.8	20.80	42.5	42.45	3.08	3.08	26.50	26.29	2.5	3
M2	29/11/2025	Mid-Flood	Sunny	Low	10:55	2.4	M	1.20	2			7.16		3.28		20.8		42.4		3.07		26.08		2.5	
M3	29/11/2025	Mid-Flood	Sunny	Low	11:08	2.1	M	1.05	1	0.089	173.511	7.18	7.18	3.69	3.70	20.8	20.80	54.3	54.30	3.93	3.93	33.36	33.165	2.5	3
M3	29/11/2025	Mid-Flood	Sunny	Low	11:08	2.1	M	1.05	2			7.17		3.71		20.8		54.3		3.93		32.97		2.5	
M1	29/11/2025	Mid-Ebb	Sunny	Low	15:42	2.4	M	1.20	1	0.07	307.542	7.11	7.12	2.97	3.00	20.9	20.95	39.7	38.85	2.88	2.82	24.88	24.835	2.5	3
M1	29/11/2025	Mid-Ebb	Sunny	Low	15:42	2.4	M	1.20	2			7.12		3.03		21.0		38.0		2.75		24.79		2.5	
M2	29/11/2025	Mid-Ebb	Sunny	Low	15:09	2.2	M	1.10	1	0.073	316.426	7.13	7.13	3.03	3.03	20.9	20.95	40.6	39.85	2.94	2.89	25.19	25.22	2.5	3
M2	29/11/2025	Mid-Ebb	Sunny	Low	15:09	2.2	M	1.10	2			7.12		3.03		21.0		39.1		2.83		25.25		2.5	
M3	29/11/2025	Mid-Ebb	Sunny	Low	15:53	2	M	1.00	1	0.058	314.808	7.19	7.19	3.79	3.81	20.9	20.95	55.9	55.00	4.05	3.98	34.12	33.95	2.5	3
M3	29/11/2025	Mid-Ebb	Sunny	Low	15:53	2	M	1.00	2			7.18		3.83		21.0		54.1		3.91		33.78		2.5	

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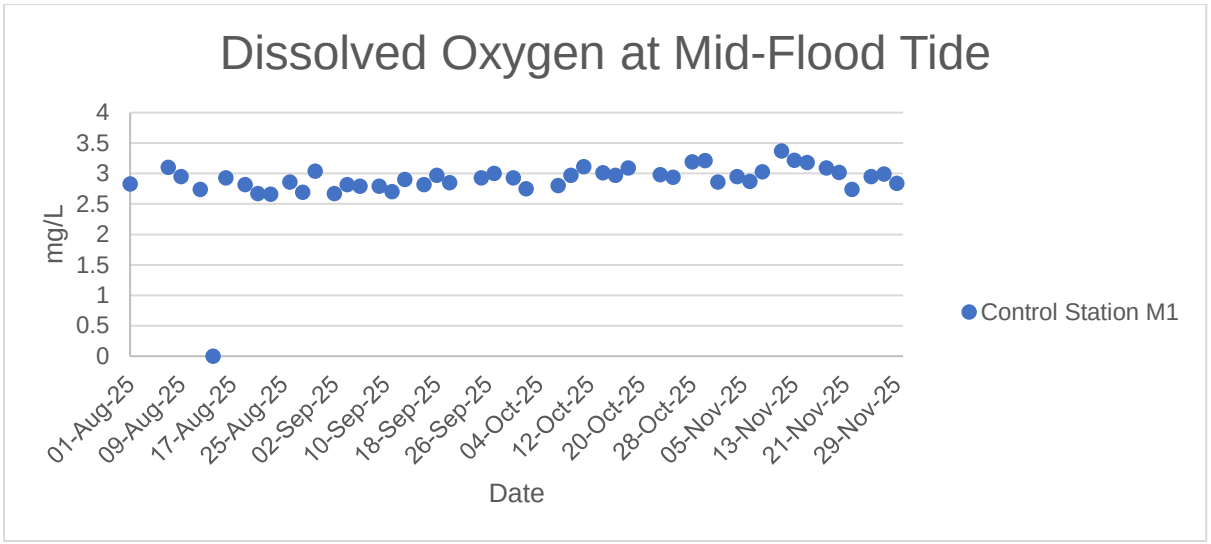
For Flood Tide

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
mg/L
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1.5
1
0.5
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18-Sep-25
26-Sep-25
04-Oct-25
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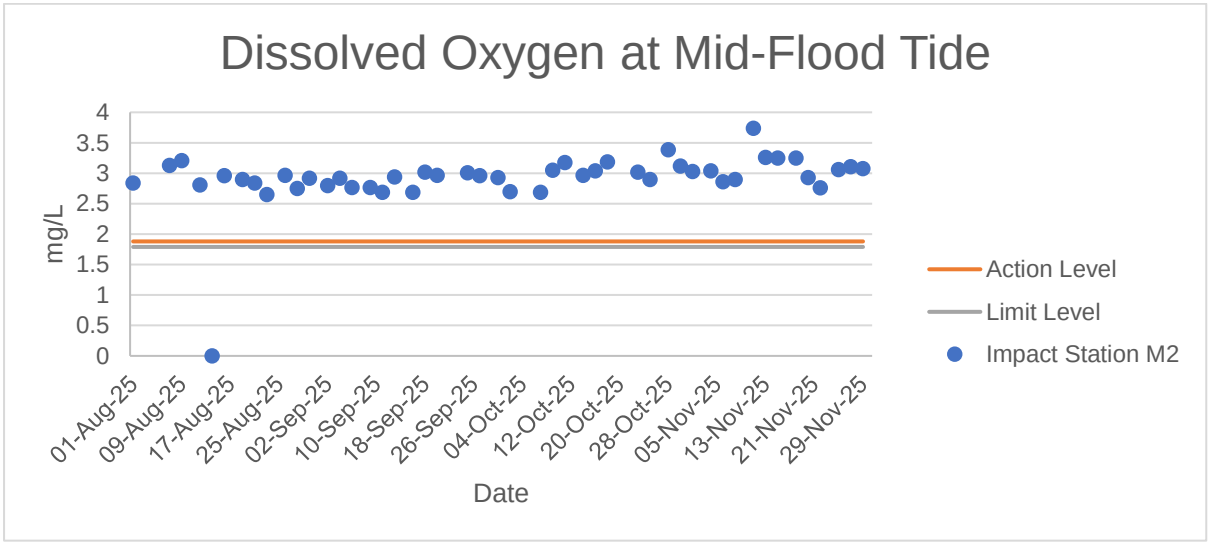
21-Nov-25
29-Nov-25
Date
Control Station M1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mg/L
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3
2.5
2
1.5
1
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0
01-Aug-25
09-Aug-25
17-Aug-25
25-Aug-25
02-Sep-25
10-Sep-25
18-Sep-25
26-Sep-25
04-Oct-25
12-Oct-25
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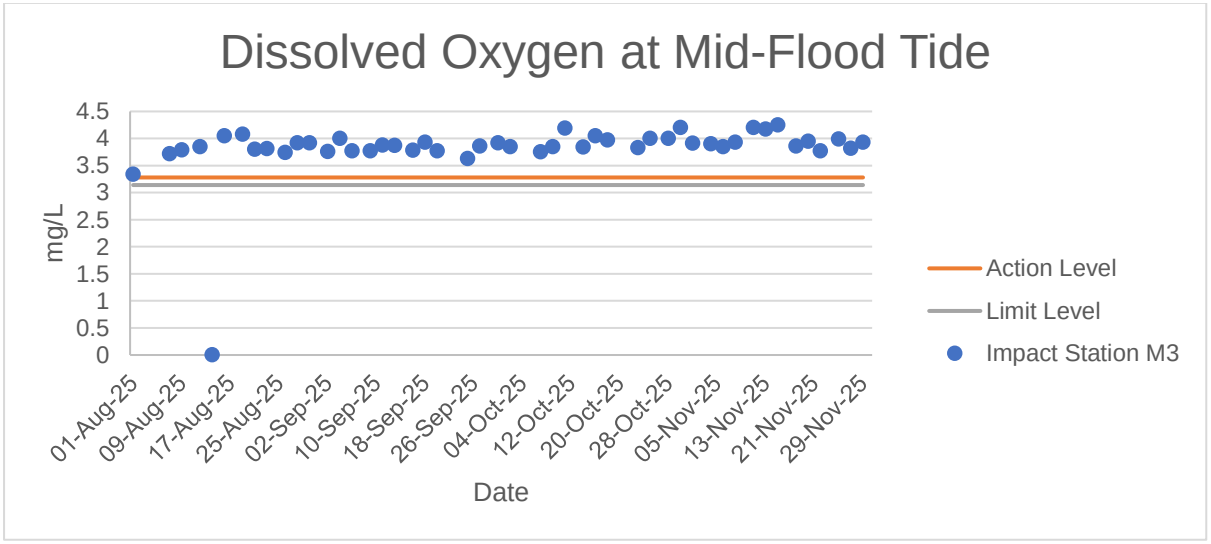
13-Nov-25
21-Nov-25
29-Nov-25
Date
Action Level
Limit Level
Impact Station M2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mg/L
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4
3.5
3
2.5
2
1.5
1
0.5
0
01-Aug-25
09-Aug-25
17-Aug-25
25-Aug-25
02-Sep-25
10-Sep-25
18-Sep-25
26-Sep-25
04-Oct-25
12-Oct-25
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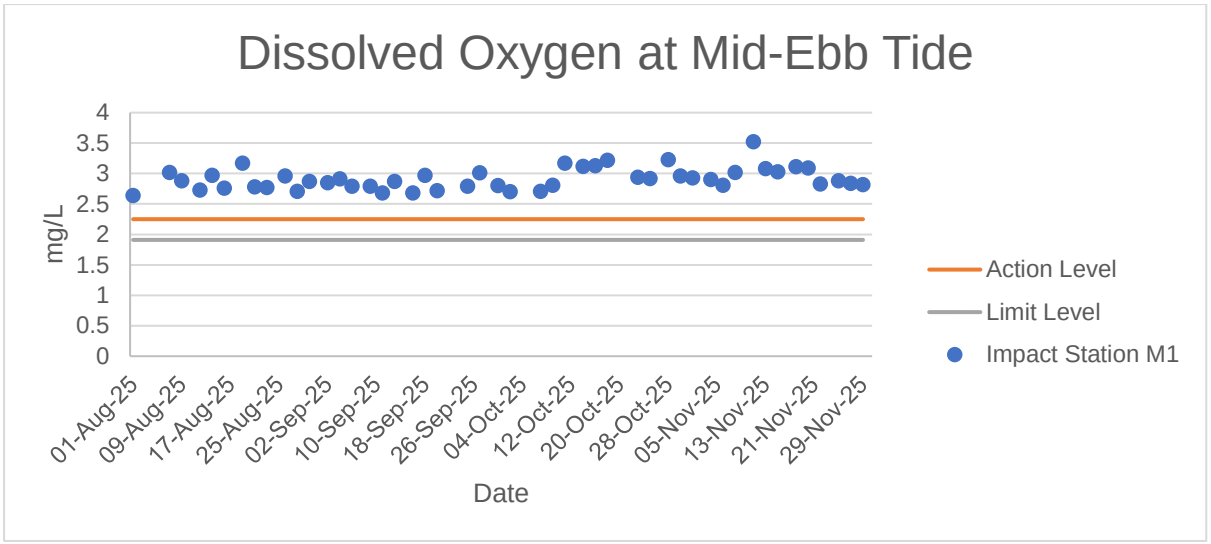
Date
Action Level
Limit Level
Impact Station M3


Dissolved Oxygen at Mid-Ebb Tide
mg/L
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3.5
3
2.5
2
1.5
1
0.5
0
01-Aug-25
09-Aug-25
17-Aug-25
25-Aug-25
02-Sep-25
10-Sep-25
18-Sep-25
26-Sep-25
04-Oct-25
12-Oct-25
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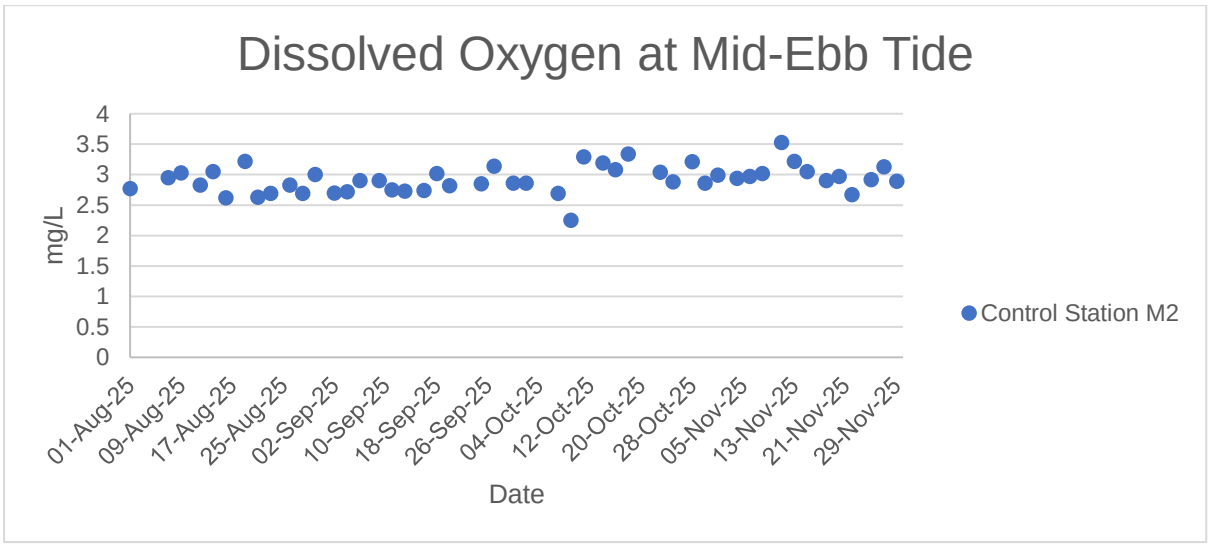
29-Nov-25
Date
Action Level
Limit Level
Impact Station M1


Dissolved Oxygen at Mid-Ebb Tide
mg/L
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3.5
3
2.5
2
1.5
1
0.5
0
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09-Aug-25
17-Aug-25
25-Aug-25
02-Sep-25
10-Sep-25
18-Sep-25
26-Sep-25
04-Oct-25
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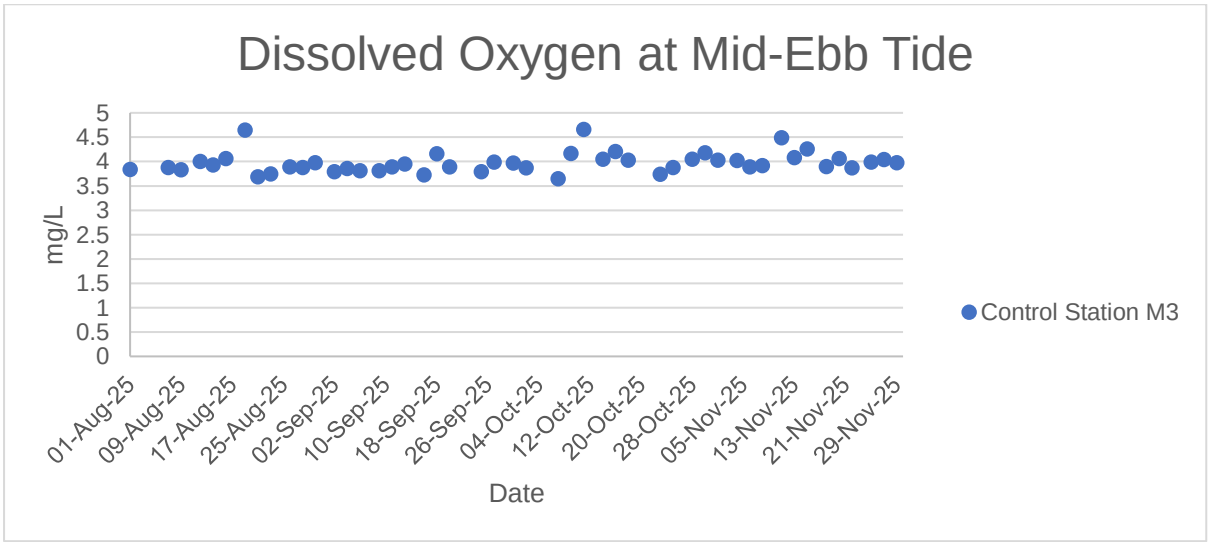
13-Nov-25
21-Nov-25
29-Nov-25
Date
Control Station M2


Dissolved Oxygen at Mid-Ebb Tide
mg/L
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4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
01-Aug-25
09-Aug-25
17-Aug-25
25-Aug-25
02-Sep-25
10-Sep-25
18-Sep-25
26-Sep-25
04-Oct-25
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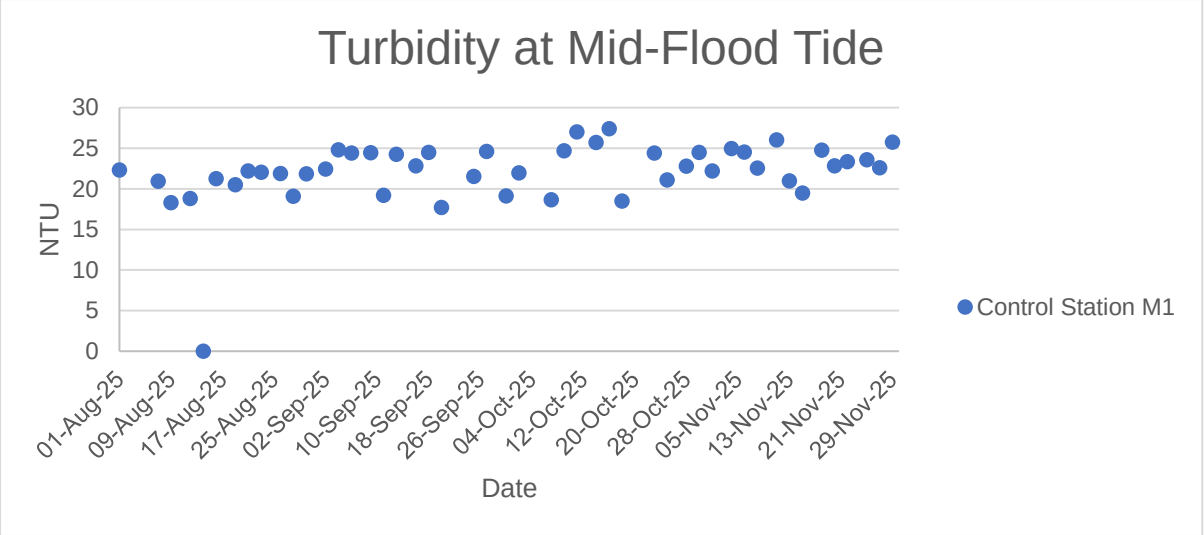
13-Nov-25
21-Nov-25
29-Nov-25
Date
Control Station M3


Turbidity at Mid-Flood Tide
NTU
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25
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15
10
5
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09-Aug-25
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26-Sep-25
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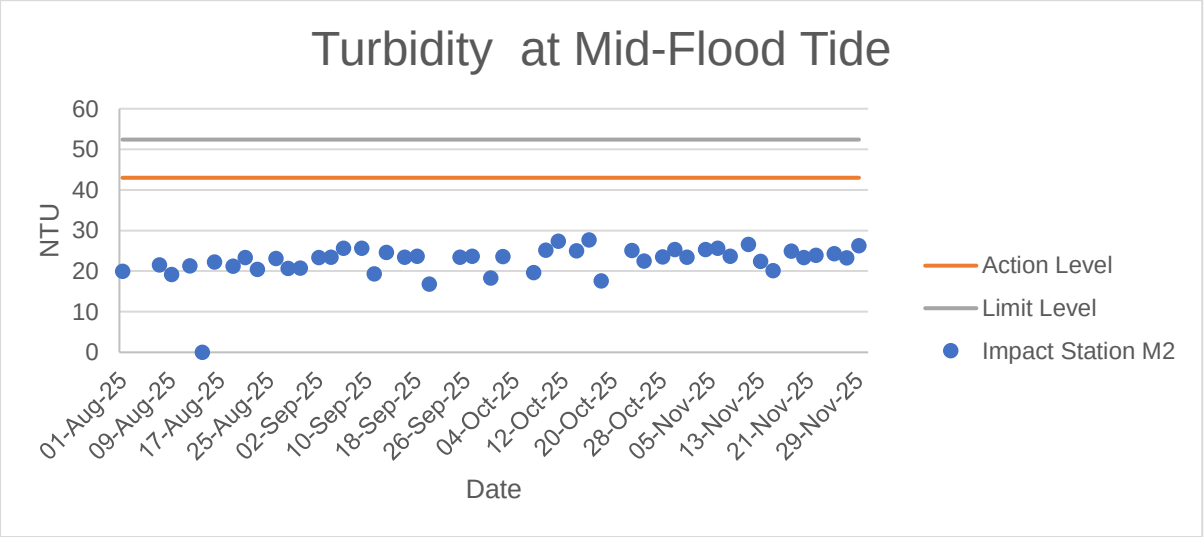
21-Nov-25
29-Nov-25
Date
Control Station M1


Turbidity at Mid-Flood Tide
NTU
60
50
40
30
20
10
0
01-Aug-25
09-Aug-25
17-Aug-25
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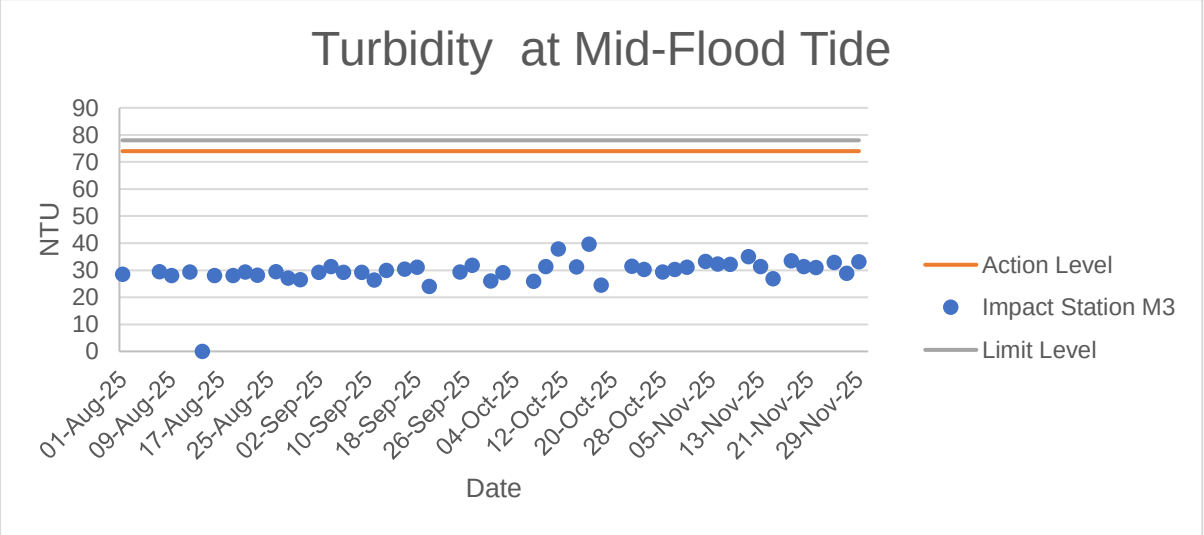
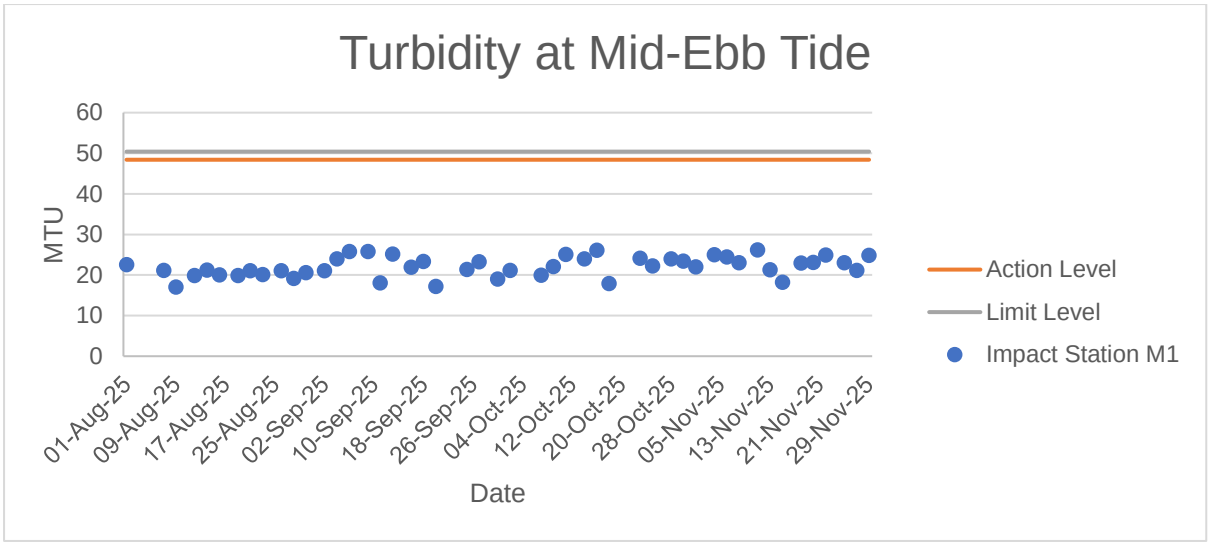
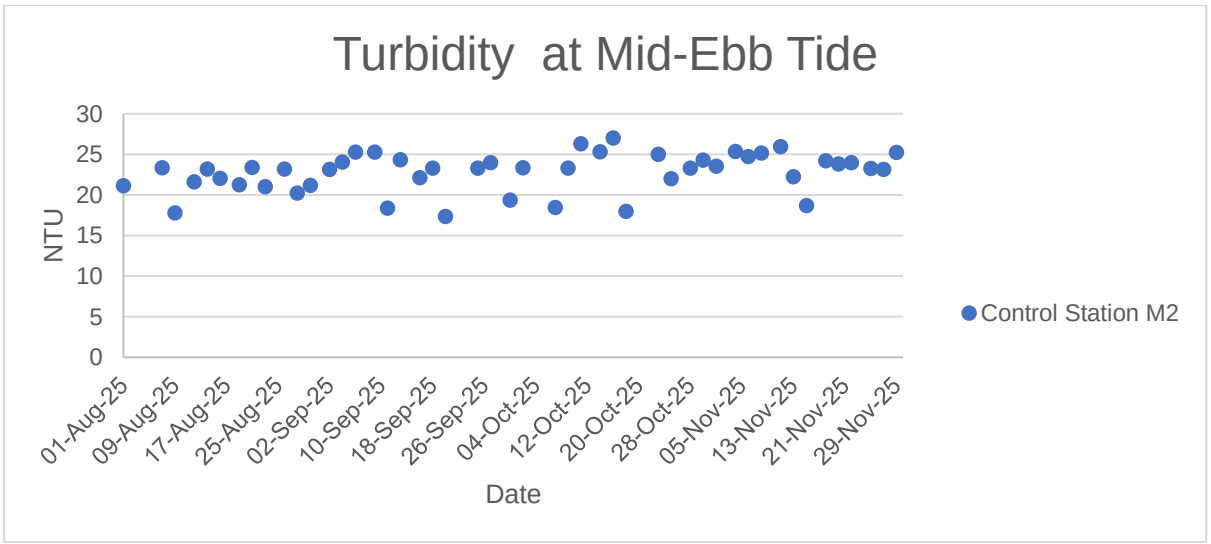
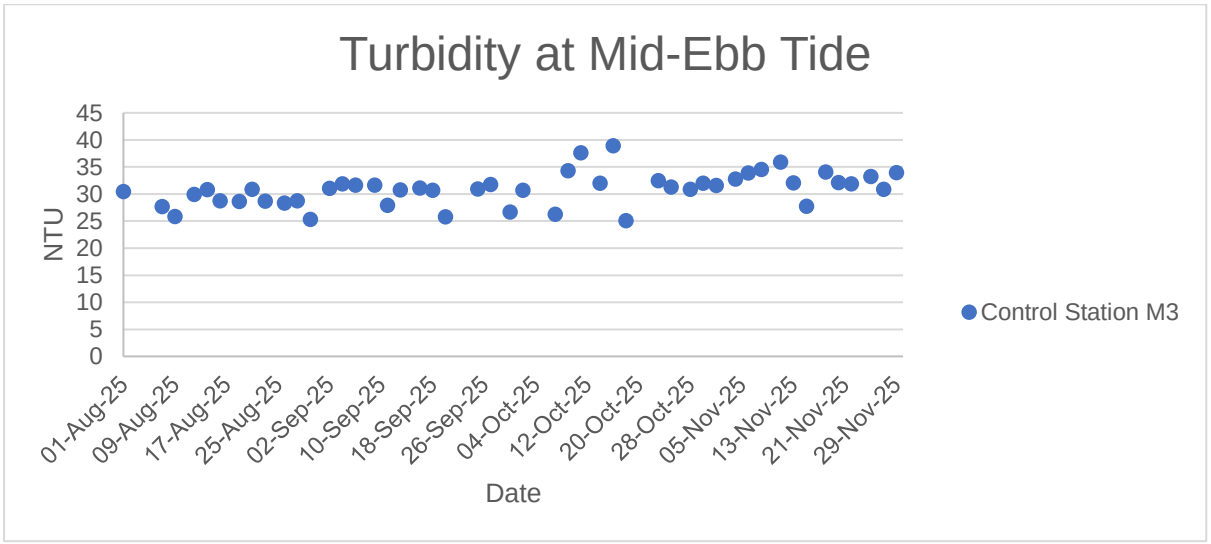
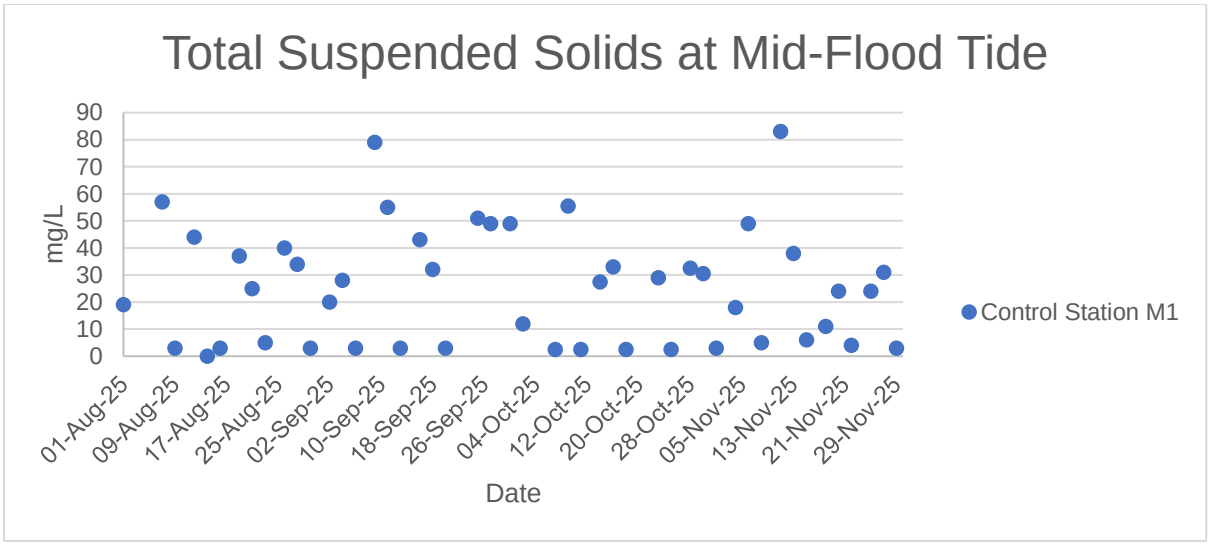
02-Sep-25
10-Sep-25
18-Sep-25
26-Sep-25
04-Oct-25
12-Oct-25
20-Oct-25
28-Oct-25
05-Nov-25
13-Nov-25
21-Nov-25
29-Nov-25
Date
Action Level
Limit Level
Impact Station M2


Turbidity at Mid-Flood Tide
NTU
90
80
70
60
50
40
30
20
10
0
01-Aug-25
09-Aug-25
17-Aug-25
25-Aug-25
02-Sep-25
10-Sep-25
18-Sep-25
26-Sep-25
04-Oct-25
12-Oct-25
20-Oct-25
28-Oct-25
05-Nov-25
13-Nov-25
21-Nov-25
29-Nov-25
Date
Action Level
Impact Station M3
Limit Level


Turbidity at Mid-Ebb Tide
MTU
60
50
40
30
20
10
0
01-Aug-25
09-Aug-25
17-Aug-25
25-Aug-25
02-Sep-25
10-Sep-25
18-Sep-25
26-Sep-25
04-Oct-25
12-Oct-25
20-Oct-25
28-Oct-25
05-Nov-25
13-Nov-25
21-Nov-25
29-Nov-25
Date
Action Level
Limit Level
Impact Station M1


Turbidity at Mid-Ebb Tide
NTU
30
25
20
15
10
5
0
01-Aug-25
09-Aug-25
17-Aug-25
25-Aug-25
02-Sep-25
10-Sep-25
18-Sep-25
26-Sep-25
04-Oct-25
12-Oct-25
20-Oct-25
28-Oct-25
05-Nov-25
13-Nov-25
21-Nov-25
29-Nov-25
Date
Control Station M2


Turbidity at Mid-Ebb Tide
NTU
45
40
35
30
25
20
15
10
5
0
01-Aug-25
09-Aug-25
17-Aug-25
25-Aug-25
02-Sep-25
10-Sep-25
18-Sep-25
26-Sep-25
04-Oct-25
12-Oct-25
20-Oct-25
28-Oct-25
05-Nov-25
13-Nov-25
21-Nov-25
29-Nov-25
Date
Control Station M3


Total Suspended Solids at Mid-Flood Tide
mg/L
90
80
70
60
50
40
30
20
10
0
01-Aug-25
09-Aug-25
17-Aug-25
25-Aug-25
02-Sep-25
10-Sep-25
18-Sep-25
26-Sep-25
04-Oct-25
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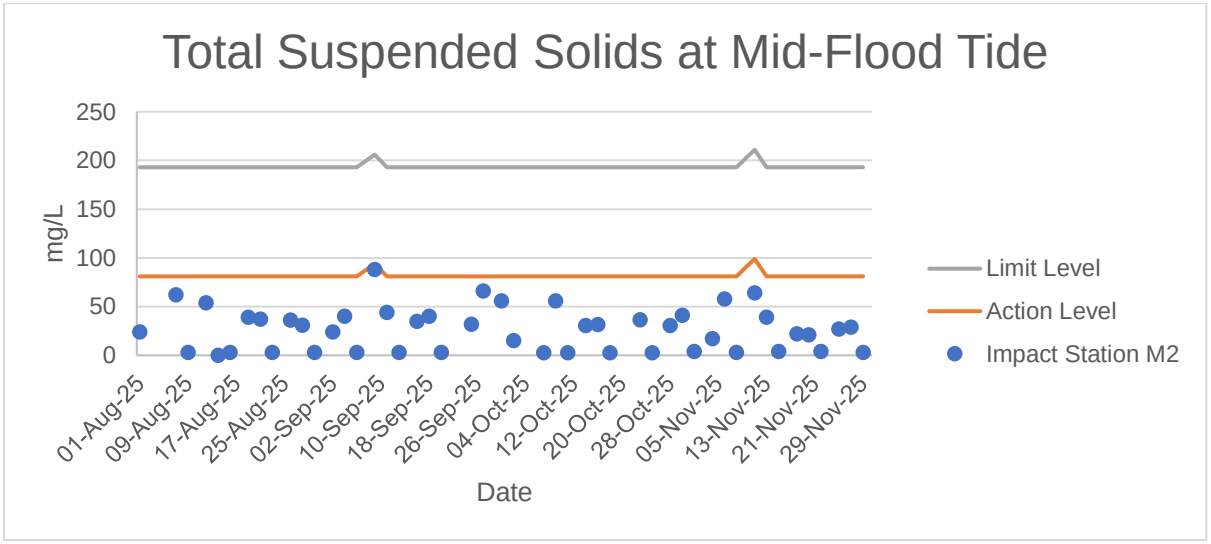
13-Nov-25
21-Nov-25
29-Nov-25
Date
Control Station M1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mg/L
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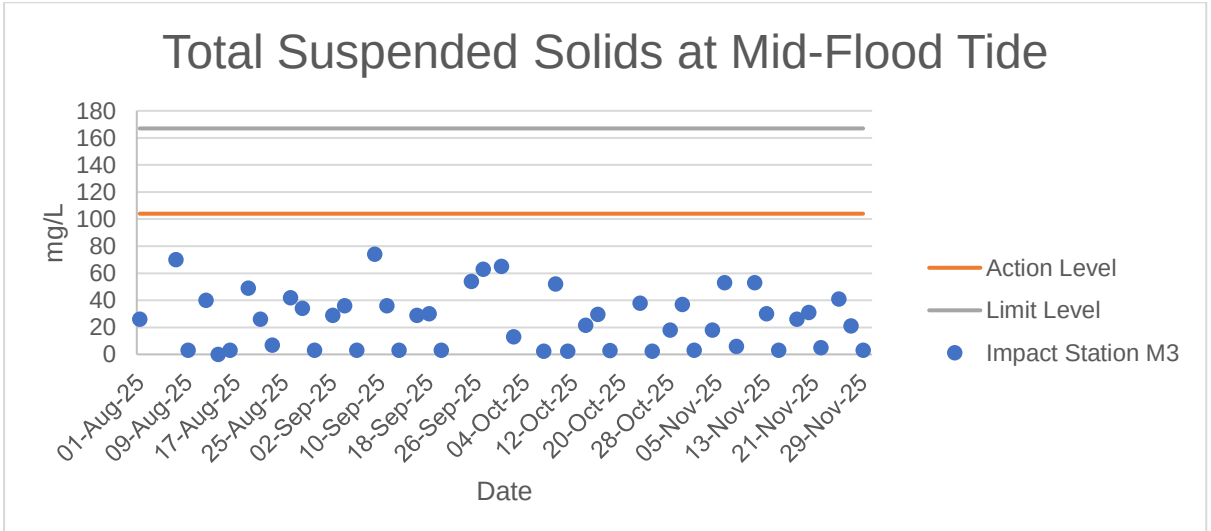
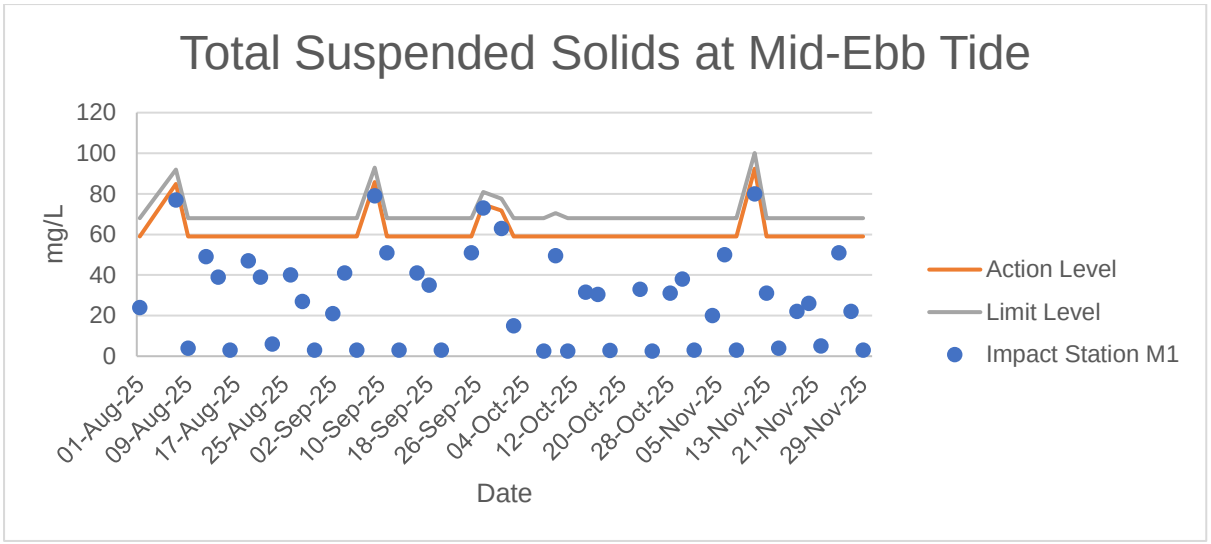
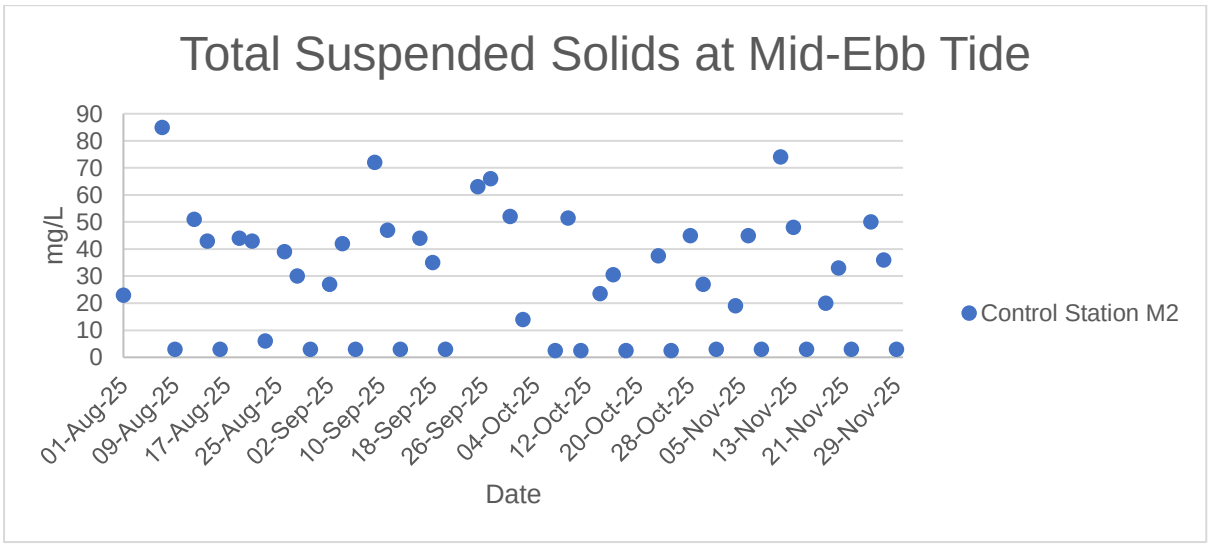
200
150
100
50
0
01-Aug-25
09-Aug-25
17-Aug-25
25-Aug-25
02-Sep-25
10-Sep-25
18-Sep-25
26-Sep-25
04-Oct-25
12-Oct-25
20-Oct-25
28-Oct-25
05-Nov-25
13-Nov-25
21-Nov-25
29-Nov-25
Date
Limit Level
Action Level
Impact Station M2


Total Suspended Solids at Mid-Flood Tide
mg/L
180
160
140
120
100
80
60
40
20
0
01-Aug-25
09-Aug-25
17-Aug-25
25-Aug-25
02-Sep-25
10-Sep-25
18-Sep-25
26-Sep-25
04-Oct-25
12-Oct-25
20-Oct-25
28-Oct-25
05-Nov-25
13-Nov-25
21-Nov-25
29-Nov-25
Date
Action Level
Limit Level
Impact Station M3


Total Suspended Solids at Mid-Ebb Tide
mg/L
120
100
80
60
40
20
0
01-Aug-25
09-Aug-25
17-Aug-25
25-Aug-25
02-Sep-25
10-Sep-25
18-Sep-25
26-Sep-25
04-Oct-25
12-Oct-25
20-Oct-25
28-Oct-25
05-Nov-25
13-Nov-25
21-Nov-25
29-Nov-25
Date
Action Level
Limit Level
Impact Station M1


Total Suspended Solids at Mid-Ebb Tide
mg/L
90
80
70
60
50
40
30
20
10
0
01-Aug-25
09-Aug-25
17-Aug-25
25-Aug-25
02-Sep-25
10-Sep-25
18-Sep-25
26-Sep-25
04-Oct-25
12-Oct-25
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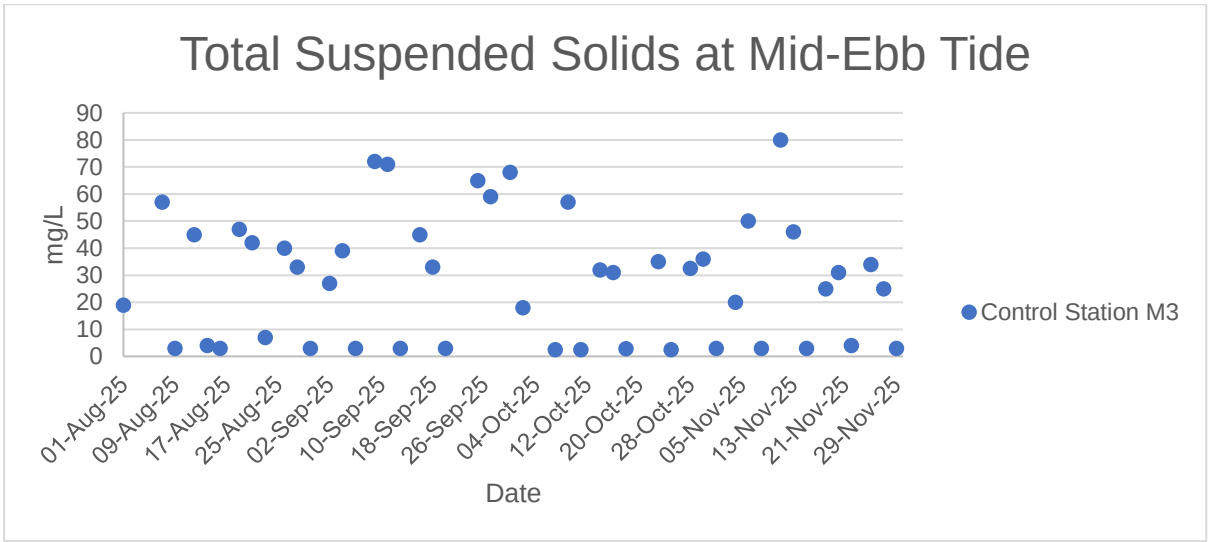
28-Oct-25
05-Nov-25
13-Nov-25
21-Nov-25
29-Nov-25
Date
Control Station M2


Total Suspended Solids at Mid-Ebb Tide
mg/L
90
80
70
60
50
40
30
20
10
0
01-Aug-25
09-Aug-25
17-Aug-25
25-Aug-25
02-Sep-25
10-Sep-25
18-Sep-25
26-Sep-25
04-Oct-25
12-Oct-25
20-Oct-25
28-Oct-25
05-Nov-25
13-Nov-25
21-Nov-25
29-Nov-25
Date
Control Station M3

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 (11 November 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]
11/11/2025	Daytime	Wet	FLW	Point Count	FLW1	Chinese Pond Heron	*Ardeola bacchus*	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW1	Little Egret	*Egretta garzetta*	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW1	Great Cormorant	*Phalacrocorax carbo*	9	Common	WV	PRC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW1	Black-winged stilt	*Himantopus himantopus*	4	Common	PM	RC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW1	Common Sandpiper	*Actitis hypoleucos*	1	Common	PM,WV	-	-	-	LC	LC	N	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW1	Spotted Dove	*Spilopelia chinensis*	2	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW1	Collared Crow	*Corvus torquatus*	1	Uncommon	R	LC	-	-	NT	VU	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW1	Barn Swallow	*Hirundo rustica*	3	Abundant	PM,SV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW1	Black-collared Starling	*Gracupica nigricollis*	10	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW1	Eastern Yellow Wagtail	*Motacilla tschutschensis*	1	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW1	White Wagtail	*Motacilla alba*	1	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW2	Great Cormorant	*Phalacrocorax carbo*	11	Common	WV	PRC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW2	Dusky Warbler	*Phylloscopus fuscatus*	1	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW2	Plain Prinia	*Prinia inornata*	2	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW2	Scaly-breasted Munia	*Lonchura punctulata*	3	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW2	Black-faced Bunting	*Emberiza spodocephala*	1	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW3	Little Egret	*Egretta garzetta*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW3	Black Kite	*Milvus migrans*	2	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW3	Spotted Dove	*Spilopelia chinensis*	2	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW3	Barn Swallow	*Hirundo rustica*	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW3	Crested Myna	*Acridotheres cristatellus*	5	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW4	Great Cormorant	*Phalacrocorax carbo*	16	Common	WV	PRC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW4	White-breasted Waterhen	*Amaurornis phoenicurus*	1	Common	R	-	-	-	LC	LC	N	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW4	Common Moorhen	*Gallinula chloropus*	1	Common	R	-	-	-	LC	LC	N	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW4	Pied Kingfisher	*Ceryle rudis*	1	Uncommon	R	-	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW4	Red-whiskered Bulbul	*Pycnonotus jocosus*	3	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW4	Chinese Bulbul	*Pycnonotus sinensis*	6	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW4	Dusky Warbler	*Phylloscopus fuscatus*	2	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW4	Black-collared Starling	*Gracupica nigricollis*	11	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW4	Scaly-breasted Munia	*Lonchura punctulata*	3	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW5	Chinese Pond Heron	*Ardeola bacchus*	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW5	Eastern Cattle Egret	*Bubulcus coromandus*	8	Common	R.PM	(LC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW5	Grey Heron	*Ardea cinerea*	6	Common	WV	PRC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW5	Great Egret	*Ardea alba*	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW5	Little Egret	*Egretta garzetta*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW5	Great Cormorant	*Phalacrocorax carbo*	22	Common	WV	PRC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW5	White-breasted Waterhen	*Amaurornis phoenicurus*	2	Common	R	-	-	-	LC	LC	N	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW5	Little Ringed	*Charadrius dubius*	3	Common	WV,PM		-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (11 November 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]
						Plover					(LC)						
11/11/2025	Daytime	Wet	FLW	Point Count	FLW5	Pied Kingfisher	*Ceryle rudis*	2	Uncommon	R	-	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW5	Yellow-browed Warbler	*Phylloscopus inornatus*	1	Common	WV,Sp	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW5	Dusky Warbler	*Phylloscopus fuscatus*	2	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW5	Common Myna	*Acridotheres tristis*	8	Uncommon	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW5	White-cheeked Starling	*Spodiopsar cineraceus*	12	Common	WV	PRC	-	-	-	-	Y	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW5	Black-collared Starling	*Gracupica nigricollis*	11	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW5	Eurasian Tree Sparrow	*Passer montanus*	22	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW5	Eastern Yellow Wagtail	*Motacilla tschutschensis*	1	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW5	White Wagtail	*Motacilla alba*	5	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW6	Black-faced Spoonbill	*Platalea minor*	1	Common	WV	PGC	Class II	EN	EN	EN	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW6	Great Cormorant	*Phalacrocorax carbo*	14	Common	WV	PRC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW6	Spotted Dove	*Spilopelia chinensis*	4	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW6	Long-tailed Shrike	*Lanius schach*	1	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW6	Crested Myna	*Acridotheres cristatellus*	12	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW6	Black-collared Starling	*Gracupica nigricollis*	6	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW6	Stejneger's Stonechat	*Saxicola stejnegeri*	2	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW6	Richard's Pipit	*Anthus richardi*	1	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW7	Black-crowned Night Heron	*Nycticorax nycticorax*	4	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW7	Chinese Pond Heron	*Ardeola bacchus*	9	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW7	Great Egret	*Ardea alba*	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Point Count	FLW7	Spotted Dove	*Spilopelia chinensis*	2	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW7	Azure-winged Magpie	*Cyanopica cyanus*	6	Introduced	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW7	Large-billed Crow	*Corvus macrorhynchos*	1	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW7	Japanese Tit	*Parus minor*	3	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW7	Dusky Warbler	*Phylloscopus fuscatus*	1	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW7	Crested Myna	*Acridotheres cristatellus*	10	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Point Count	FLW7	Black-collared Starling	*Gracupica nigricollis*	25	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	NSW1	Chinese Pond Heron	*Ardeola bacchus*	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	NSW1	Grey Heron	*Ardea cinerea*	1	Common	WV	PRC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	NSW1	Little Egret	*Egretta garzetta*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	NSW1	Great Cormorant	*Phalacrocorax carbo*	38	Common	WV	PRC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	NSW1	White-breasted Waterhen	*Amaurornis phoenicurus*	1	Common	R	-	-	-	LC	LC	N	Y
11/11/2025	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Collared Dove	*Streptopelia decaocto*	6	Common	-	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	NSW1	Spotted Dove	*Spilopelia chinensis*	4	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	NSW1	Common Kingfisher	*Alcedo atthis*	2	Common	PM,WV	-	-	-	LC	LC	N	Y
11/11/2025	Daytime	Wet	NSW	Point Count	NSW1	Collared Crow	*Corvus torquatus*	1	Uncommon	R	LC	-	-	NT	VU	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (11 November 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]
11/11/2025	Daytime	Wet	NSW	Point Count	NSW1	Chinese Bulbul	*Pycnonotus sinensis*	4	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	NSW1	Dusky Warbler	*Phylloscopus fuscatus*	1	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	NSW1	Plain Prinia	*Prinia inornata*	2	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	NSW1	Masked Laughingthrush	*Pterorhinus perspicillatus*	4	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	NSW1	Daurian Redstart	*Phoenicurus auroreus*	1	Common	WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Tree Sparrow	*Passer montanus*	6	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	White-breasted Waterhen	*Amaurornis phoenicurus*	1	Common	R	-	-	-	LC	LC	N	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Greenshank	*Tringa nebularia*	3	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Spotted Dove	*Spilopelia chinensis*	4	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	White-throated Kingfisher	*Halcyon smyrnensis*	2	Common	R	(LC)	Class II	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Bulbul	*Pycnonotus sinensis*	5	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Dusky Warbler	*Phylloscopus fuscatus*	1	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Swinhoe's White-eye	*Zosterops simplex*	2	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Crested Myna	*Acridotheres cristatellus*	3	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	White Wagtail	*Motacilla alba*	1	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Chinese Pond Heron	*Ardeola bacchus*	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Grey Heron	*Ardea cinerea*	3	Common	WV	PRC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Great Egret	*Ardea alba*	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Little Egret	*Egretta garzetta*	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Great Cormorant	*Phalacrocorax carbo*	8	Common	WV	PRC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Black-winged stilt	*Himantopus himantopus*	4	Common	PM	RC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Eurasian Collared Dove	*Streptopelia decaocto*	1	Common	-	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Common Kingfisher	*Alcedo atthis*	1	Common	PM,WV	-	-	-	LC	LC	N	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Yellow-browed Warbler	*Phylloscopus inornatus*	1	Common	WV,Sp	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Masked Laughingthrush	*Pterorhinus perspicillatus*	3	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Oriental Magpie Robin	*Copsychus saularis*	1	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Red-throated Flycatcher	*Ficedula albicilla*	1	Uncommon	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Northern Shoveler	*Spatula clypeata*	14	Abundant	WV	RC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Eurasian Wigeon	*Mareca penelope*	19	Common	WV	RC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Eurasian Teal	*Anas crecca*	12	Common	WV	RC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Tufted Duck	*Aythya fuligula*	6	Uncommon	WV	LC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Black-faced Spoonbill	*Platalea minor*	1	Common	WV	PGC	Class II	EN	EN	EN	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Chinese Pond Heron	*Ardeola bacchus*	11	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Grey Heron	*Ardea cinerea*	5	Common	WV	PRC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Great Egret	*Ardea alba*	4	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Great Cormorant	*Phalacrocorax carbo*	26	Common	WV	PRC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Black-winged stilt	*Himantopus himantopus*	14	Common	PM	RC	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (11 November 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]
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Sandpiper	*Actitis hypoleucos*	2	Common	PM,WV	-	-	-	LC	LC	N	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Redshank	*Tringa totanus*	7	Common	PM	RC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	House Swift	*Apus nipalensis*	4	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Collared Crow	*Corvus torquatus*	4	Uncommon	R	LC	-	-	NT	VU	Y	Y
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Chinese Bulbul	*Pycnonotus sinensis*	1	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Barn Swallow	*Hirundo rustica*	6	Abundant	PM,SV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Yellow-browed Warbler	*Phylloscopus inornatus*	1	Common	WV,Sp	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Crested Myna	*Acridotheres cristatellus*	6	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	White Wagtail	*Motacilla alba*	1	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Chinese Pond Heron	*Ardeola bacchus*	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Grey Heron	*Ardea cinerea*	2	Common	WV	PRC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Great Egret	*Ardea alba*	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Little Egret	*Egretta garzetta*	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Great Cormorant	*Phalacrocorax carbo*	4	Common	WV	PRC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Black-winged Kite	*Elanus caeruleus*	1	Uncommon	O	LC	Class II	VU	NT	LC	Y	N
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Black Kite	*Milvus migrans*	2	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Eurasian Collared Dove	*Streptopelia decaocto*	2	Common	-	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Spotted Dove	*Spilopelia chinensis*	3	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Greater Coucal	*Centropus sinensis*	2	Common	R	-	Class II	VU	LC	LC	Y	N
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Azure-winged Magpie	*Cyanopica cyanus*	8	Introduced	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Japanese Tit	*Parus minor*	2	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Red-whiskered Bulbul	*Pycnonotus jocosus*	6	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Chinese Bulbul	*Pycnonotus sinensis*	11	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Dusky Warbler	*Phylloscopus fuscatus*	4	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Yellow-bellied Prinia	*Prinia flaviventris*	1	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Plain Prinia	*Prinia inornata*	3	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Masked Laughingthrush	*Pterorhinus perspicillatus*	3	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Swinhoe's White-eye	*Zosterops simplex*	2	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Crested Myna	*Acridotheres cristatellus*	4	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Black-collared Starling	*Gracupica nigricollis*	14	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Stejneger's Stonechat	*Saxicola stejnegeri*	1	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Scaly-breasted Munia	*Lonchura punctulata*	4	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	FLW	Transect	FLW	Black-browed Reed Warbler	*Acrocephalus bistrigiceps*	1	Common	PM	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Transect	NSW	Chinese Pond Heron	*Ardeola bacchus*	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Transect	NSW	Little Egret	*Egretta garzetta*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Transect	NSW	Great Cormorant	*Phalacrocorax carbo*	2	Common	WV	PRC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Transect	NSW	Common Redshank	*Tringa totanus*	2	Common	PM	RC	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (11 November 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]
11/11/2025	Daytime	Wet	NSW	Transect	NSW	Marsh Sandpiper	*Tringa stagnatilis*	1	Common	PM,WV	RC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	NSW	Transect	NSW	Red-whiskered Bulbul	*Pycnonotus jocosus*	4	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Transect	NSW	Dusky Warbler	*Phylloscopus fuscatus*	1	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Transect	NSW	Black-collared Starling	*Gracupica nigricollis*	5	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	NSW	Transect	NSW	White Wagtail	*Motacilla alba*	2	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Garganey	*Spatula querquedula*	2	Common	M,W	-	-	-	-	LC	N	Y
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Northern Shoveler	*Spatula clypeata*	34	Abundant	WV	RC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Eurasian Teal	*Anas crecca*	8	Common	WV	RC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Black-faced Spoonbill	*Platalea minor*	2	Common	WV	PGC	Class II	EN	EN	EN	Y	Y
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Chinese Pond Heron	*Ardeola bacchus*	8	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Grey Heron	*Ardea cinerea*	3	Common	WV	PRC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Great Cormorant	*Phalacrocorax carbo*	2	Common	WV	PRC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	White-breasted Waterhen	*Amaurornis phoenicurus*	3	Common	R	-	-	-	LC	LC	N	Y
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Moorhen	*Gallinula chloropus*	6	Common	R	-	-	-	LC	LC	N	Y
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Black-winged stilt	*Himantopus himantopus*	22	Common	PM	RC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Pied Avocet	*Recurvirostra avosetta*	6	Abundant	WV	RC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Sandpiper	*Actitis hypoleucos*	1	Common	PM,WV	-	-	-	LC	LC	N	Y
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Redshank	*Tringa totanus*	6	Common	PM	RC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Marsh Sandpiper	*Tringa stagnatilis*	2	Common	PM,WV	RC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Greenshank	*Tringa nebularia*	5	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Spotted Dove	*Spilopelia chinensis*	2	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Kingfisher	*Alcedo atthis*	2	Common	PM,WV	-	-	-	LC	LC	N	Y
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Red-whiskered Bulbul	*Pycnonotus jocosus*	12	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Dusky Warbler	*Phylloscopus fuscatus*	2	Common	PM,WV	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Tailorbird	*Orthotomus sutorius*	1	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Black-collared Starling	*Gracupica nigricollis*	6	Common	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Oriental Magpie Robin	*Copsychus saularis*	1	Abundant	R	-	-	-	LC	LC	N	N
11/11/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	White Wagtail	*Motacilla alba*	1	Common	PM,WV	-	-	-	LC	LC	N	N

Notes:
1. All wild birds are protected under Wild Animals Protection Ordinance (Cap. 170).
2. AFCD (2021). Hong Kong Biodiversity Database.
3. Carey et al. (2001): R=resident; WV=winter visitor; SV=summer visitor; PM=passage migrant; Sp=spring; A=autumn;
4. Fellowes et al. (2002): LC=Local Concern; RC=Regional Concern; PRC=Potential Regional Concern; PGC: Potential Global Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.
5. List of Wild Animals under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).
6. Zheng, G. M. and Wang, Q. S. (1998). China Red Data Book
7. IUCN 2021. The IUCN Red List of Threatened Species. Version 2020-3.
8. Wetland-dependent species (including wetland-dependent species and waterbirds).
9. Jiang et al. (2016). Red List of China's Vertebrates

Appendix F.2.1 Ecological Bird Monitoring Diversity (All avifauna species in Point Count Method) in All Habitats (11 November 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P)^2
Spatula clypeata	14	0.0233	-3.7595	-0.0876	0.3292
Mareca penelope	19	0.0316	-3.4542	-0.1092	0.3772
Anas crecca	12	0.0200	-3.9137	-0.0781	0.3058
Aythya fuligula	6	0.0100	-4.6068	-0.0460	0.2119
Platalea minor	2	0.0033	-5.7054	-0.0190	0.1083
Nycticorax nycticorax	4	0.0067	-5.0123	-0.0334	0.1672
Ardeola bacchus	29	0.0483	-3.0313	-0.1463	0.4434
Bubulcus coromandus	8	0.0133	-4.3192	-0.0575	0.2483
Ardea cinerea	15	0.0250	-3.6905	-0.0921	0.3399
Ardea alba	12	0.0200	-3.9137	-0.0781	0.3058
Egretta garzetta	12	0.0200	-3.9137	-0.0781	0.3058
Phalacrocorax carbo	144	0.2396	-1.4288	-0.3423	0.4891
Milvus migrans	2	0.0033	-5.7054	-0.0190	0.1083
Amaurornis phoenicurus	5	0.0083	-4.7892	-0.0398	0.1908
Gallinula chloropus	1	0.0017	-6.3986	-0.0106	0.0681
Himantopus himantopus	22	0.0366	-3.3076	-0.1211	0.4005
Charadrius dubius	3	0.0050	-5.3000	-0.0265	0.1402
Actitis hypoleucos	3	0.0050	-5.3000	-0.0265	0.1402
Tringa totanus	7	0.0116	-4.4527	-0.0519	0.2309
Tringa nebularia	3	0.0050	-5.3000	-0.0265	0.1402
Streptopelia decaocto	7	0.0116	-4.4527	-0.0519	0.2309
Spilopelia chinensis	18	0.0300	-3.5082	-0.1051	0.3686
Apus nipalensis	4	0.0067	-5.0123	-0.0334	0.1672
Halcyon smyrnensis	2	0.0033	-5.7054	-0.0190	0.1083
Alcedo atthis	3	0.0050	-5.3000	-0.0265	0.1402
Ceryle rudis	3	0.0050	-5.3000	-0.0265	0.1402
Lanius schach	1	0.0017	-6.3986	-0.0106	0.0681
Cyanopica cyanus	6	0.0100	-4.6068	-0.0460	0.2119
Corvus torquatus	6	0.0100	-4.6068	-0.0460	0.2119
Corvus macrorhynchos	1	0.0017	-6.3986	-0.0106	0.0681
Parus minor	3	0.0050	-5.3000	-0.0265	0.1402
Pycnonotus jocosus	3	0.0050	-5.3000	-0.0265	0.1402
Pycnonotus sinensis	16	0.0266	-3.6260	-0.0965	0.3500
Hirundo rustica	11	0.0183	-4.0007	-0.0732	0.2929
Phylloscopus inornatus	3	0.0050	-5.3000	-0.0265	0.1402
Phylloscopus fuscatus	8	0.0133	-4.3192	-0.0575	0.2483
Prinia inornata	4	0.0067	-5.0123	-0.0334	0.1672
Pterorhinus perspicillatus	7	0.0116	-4.4527	-0.0519	0.2309
Zosterops simplex	2	0.0033	-5.7054	-0.0190	0.1083
Acridotheres cristatellus	36	0.0599	-2.8151	-0.1686	0.4747
Acridotheres tristis	8	0.0133	-4.3192	-0.0575	0.2483
Spodiopsar cineraceus	12	0.0200	-3.9137	-0.0781	0.3058
Gracupica nigricollis	63	0.1048	-2.2555	-0.2364	0.5333
Copsychus saularis	1	0.0017	-6.3986	-0.0106	0.0681
Ficedula albicilla	1	0.0017	-6.3986	-0.0106	0.0681
Phoenicurus auroreus	1	0.0017	-6.3986	-0.0106	0.0681
Saxicola stejnegeri	2	0.0033	-5.7054	-0.0190	0.1083
Passer montanus	28	0.0466	-3.0664	-0.1429	0.4381
Lonchura punctulata	6	0.0100	-4.6068	-0.0460	0.2119

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P)^2
Motacilla tschutschensis	2	0.0033	-5.7054	-0.0190	0.1083
Motacilla alba	8	0.0133	-4.3192	-0.0575	0.2483
Anthus richardi	1	0.0017	-6.3986	-0.0106	0.0681
Emberiza spodocephala	1	0.0017	-6.3986	-0.0106	0.0681
Total	601	1	-250.3079	-3.1541	11.6029
Richness	53				
SS	11.6029				
SQ	9.9481				
H	3.1541				
S^2H	0.0028				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (11 November 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	$P*Ln(P)^2$
Spatula clypeata	14	0.0415	-3.1810	-0.1321	0.4204
Mareca penelope	19	0.0564	-2.8756	-0.1621	0.4662
Anas crecca	12	0.0356	-3.3352	-0.1188	0.3961
Aythya fuligula	6	0.0178	-4.0283	-0.0717	0.2889
Platalea minor	2	0.0059	-5.1269	-0.0304	0.1560
Nycticorax nycticorax	4	0.0119	-4.4338	-0.0526	0.2333
Ardeola bacchus	29	0.0861	-2.4528	-0.2111	0.5177
Bubulcus coromandus	8	0.0237	-3.7406	-0.0888	0.3322
Ardea cinerea	15	0.0445	-3.1120	-0.1385	0.4311
Ardea alba	12	0.0356	-3.3352	-0.1188	0.3961
Egretta garzetta	12	0.0356	-3.3352	-0.1188	0.3961
Phalacrocorax carbo	144	0.4273	-0.8503	-0.3633	0.3089
Milvus migrans	2	0.0059	-5.1269	-0.0304	0.1560
Himantopus himantopus	22	0.0653	-2.7290	-0.1782	0.4862
Charadrius dubius	3	0.0089	-4.7215	-0.0420	0.1984
Tringa totanus	7	0.0208	-3.8742	-0.0805	0.3118
Tringa nebularia	3	0.0089	-4.7215	-0.0420	0.1984
Halcyon smyrnensis	2	0.0059	-5.1269	-0.0304	0.1560
Ceryle rudis	3	0.0089	-4.7215	-0.0420	0.1984
Corvus torquatus	6	0.0178	-4.0283	-0.0717	0.2889
Spodiopsar cineraceus	12	0.0356	-3.3352	-0.1188	0.3961
Total	337	1	-78.1920	-2.2431	6.7333
Richness	21				
SS	6.7333				
SQ	5.0315				
H	2.2431				
S^2H	0.00514				

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

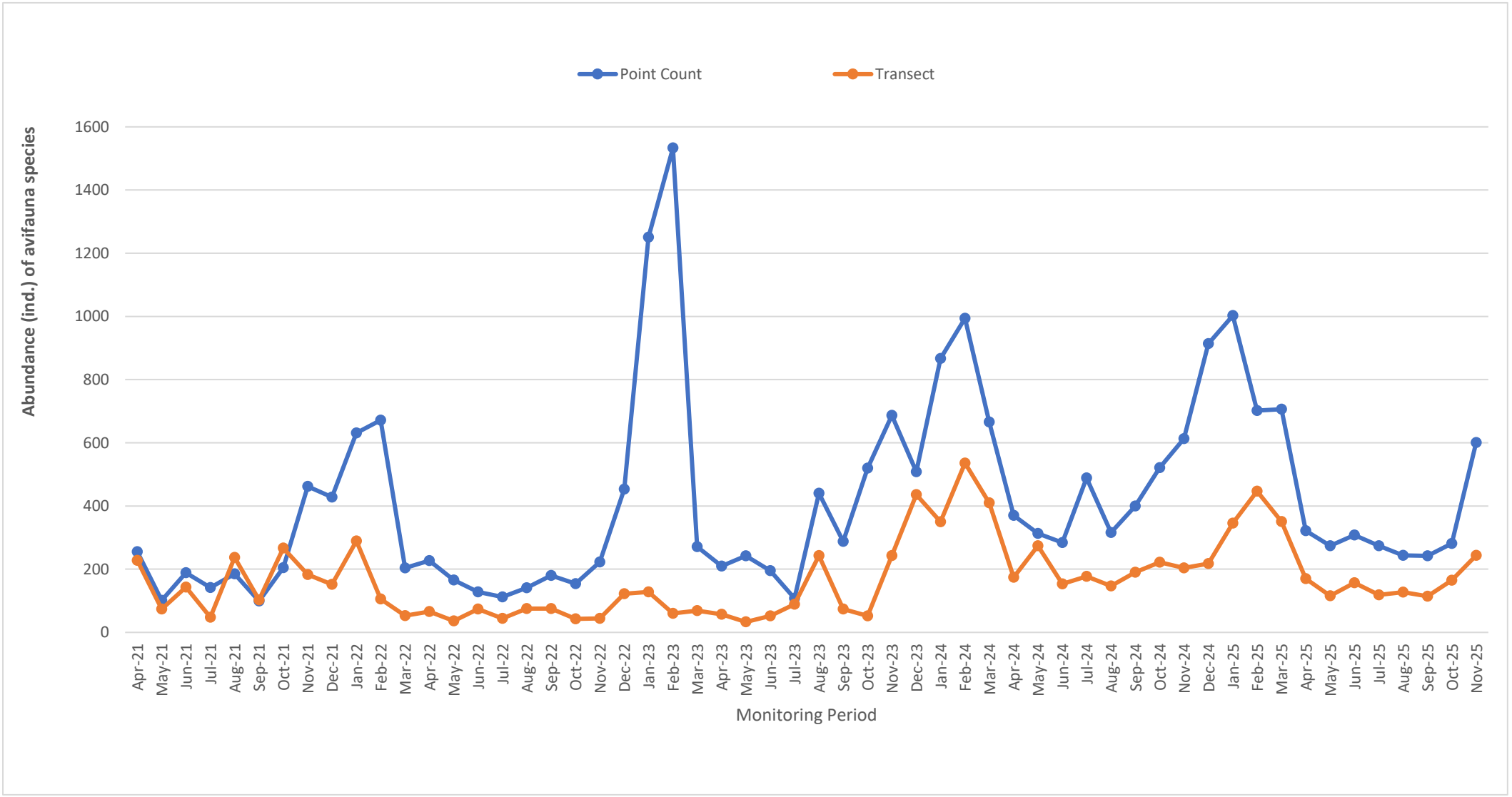
Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P)^2
Spatula querquedula	2	0.0082	-4.8040	-0.0394	0.1892
Spatula clypeata	34	0.1393	-1.9708	-0.2746	0.5412
Anas crecca	8	0.0328	-3.4177	-0.1121	0.3830
Platalea minor	2	0.0082	-4.8040	-0.0394	0.1892
Ardeola bacchus	12	0.0492	-3.0123	-0.1481	0.4462
Ardea cinerea	5	0.0205	-3.8877	-0.0797	0.3097
Ardea alba	1	0.0041	-5.4972	-0.0225	0.1238
Egretta garzetta	5	0.0205	-3.8877	-0.0797	0.3097
Phalacrocorax carbo	8	0.0328	-3.4177	-0.1121	0.3830
Elanus caeruleus	1	0.0041	-5.4972	-0.0225	0.1238
Milvus migrans	2	0.0082	-4.8040	-0.0394	0.1892
Amaurornis phoenicurus	3	0.0123	-4.3986	-0.0541	0.2379
Gallinula chloropus	6	0.0246	-3.7054	-0.0911	0.3376
Himantopus himantopus	22	0.0902	-2.4061	-0.2169	0.5220
Recurvirostra avosetta	6	0.0246	-3.7054	-0.0911	0.3376
Actitis hypoleucos	1	0.0041	-5.4972	-0.0225	0.1238
Tringa totanus	8	0.0328	-3.4177	-0.1121	0.3830
Tringa stagnatilis	3	0.0123	-4.3986	-0.0541	0.2379
Tringa nebularia	5	0.0205	-3.8877	-0.0797	0.3097
Streptopelia decaocto	2	0.0082	-4.8040	-0.0394	0.1892
Spilopelia chinensis	5	0.0205	-3.8877	-0.0797	0.3097
Centropus sinensis	2	0.0082	-4.8040	-0.0394	0.1892
Alcedo atthis	2	0.0082	-4.8040	-0.0394	0.1892
Cyanopica cyanus	8	0.0328	-3.4177	-0.1121	0.3830
Parus minor	2	0.0082	-4.8040	-0.0394	0.1892
Pycnonotus jocosus	22	0.0902	-2.4061	-0.2169	0.5220
Pycnonotus sinensis	11	0.0451	-3.0993	-0.1397	0.4330
Phylloscopus fuscatus	7	0.0287	-3.5513	-0.1019	0.3618
Acrocephalus bistrigiceps	1	0.0041	-5.4972	-0.0225	0.1238
Prinia flaviventris	1	0.0041	-5.4972	-0.0225	0.1238
Prinia inornata	3	0.0123	-4.3986	-0.0541	0.2379
Orthotomus sutorius	1	0.0041	-5.4972	-0.0225	0.1238
Pterorhinus perspicillatus	3	0.0123	-4.3986	-0.0541	0.2379
Zosterops simplex	2	0.0082	-4.8040	-0.0394	0.1892
Acridotheres cristatellus	4	0.0164	-4.1109	-0.0674	0.2770
Gracupica nigricollis	25	0.1025	-2.2783	-0.2334	0.5318
Copsychus saularis	1	0.0041	-5.4972	-0.0225	0.1238
Saxicola stejnegeri	1	0.0041	-5.4972	-0.0225	0.1238
Lonchura punctulata	4	0.0164	-4.1109	-0.0674	0.2770
Motacilla alba	3	0.0123	-4.3986	-0.0541	0.2379
Total	244	1	-167.9808	-3.1813	11.0518
Richness	40				
SS	11.0518				

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P)^2
SQ	10.1204				
H	3.1813				
S^2H	0.004145				

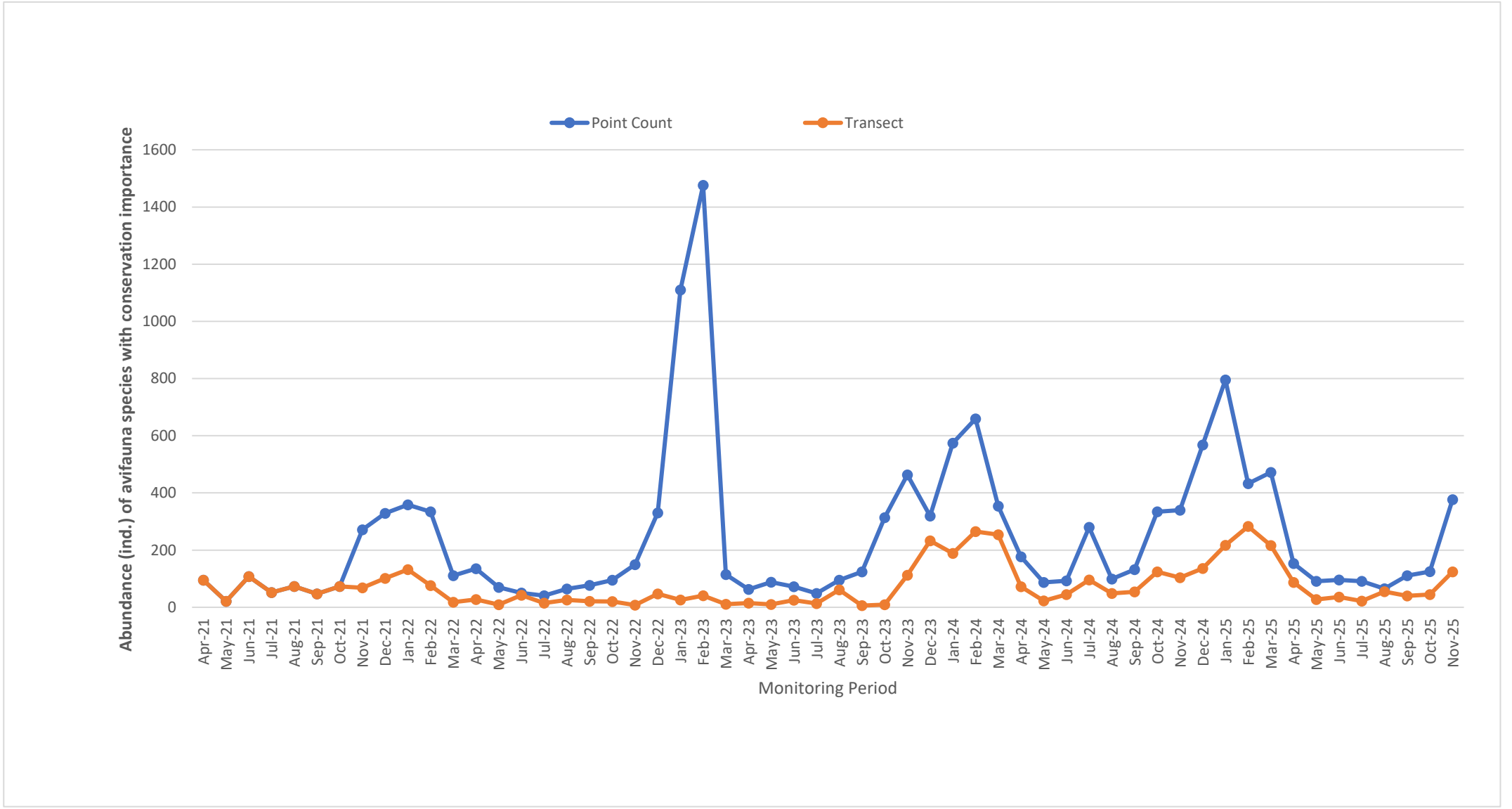
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (11 November 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	$P*Ln(P)^2$
Spatula clypeata	34	0.2742	-1.2939	-0.3548	0.4591
Anas crecca	8	0.0645	-2.7408	-0.1768	0.4847
Platalea minor	2	0.0161	-4.1271	-0.0666	0.2747
Ardeola bacchus	12	0.0968	-2.3354	-0.2260	0.5278
Ardea cinerea	5	0.0403	-3.2108	-0.1295	0.4157
Ardea alba	1	0.0081	-4.8203	-0.0389	0.1874
Egretta garzetta	5	0.0403	-3.2108	-0.1295	0.4157
Phalacrocorax carbo	8	0.0645	-2.7408	-0.1768	0.4847
Elanus caeruleus	1	0.0081	-4.8203	-0.0389	0.1874
Milvus migrans	2	0.0161	-4.1271	-0.0666	0.2747
Himantopus himantopus	22	0.1774	-1.7292	-0.3068	0.5305
Recurvirostra avosetta	6	0.0484	-3.0285	-0.1465	0.4438
Tringa totanus	8	0.0645	-2.7408	-0.1768	0.4847
Tringa stagnatilis	3	0.0242	-3.7217	-0.0900	0.3351
Tringa nebularia	5	0.0403	-3.2108	-0.1295	0.4157
Centropus sinensis	2	0.0161	-4.1271	-0.0666	0.2747
Total	124	1	-51.9857	-2.3205	6.1963
Richness	16				
SS	6.1963				
SQ	5.3848				
H	2.3205				
S^2H	0.00703				

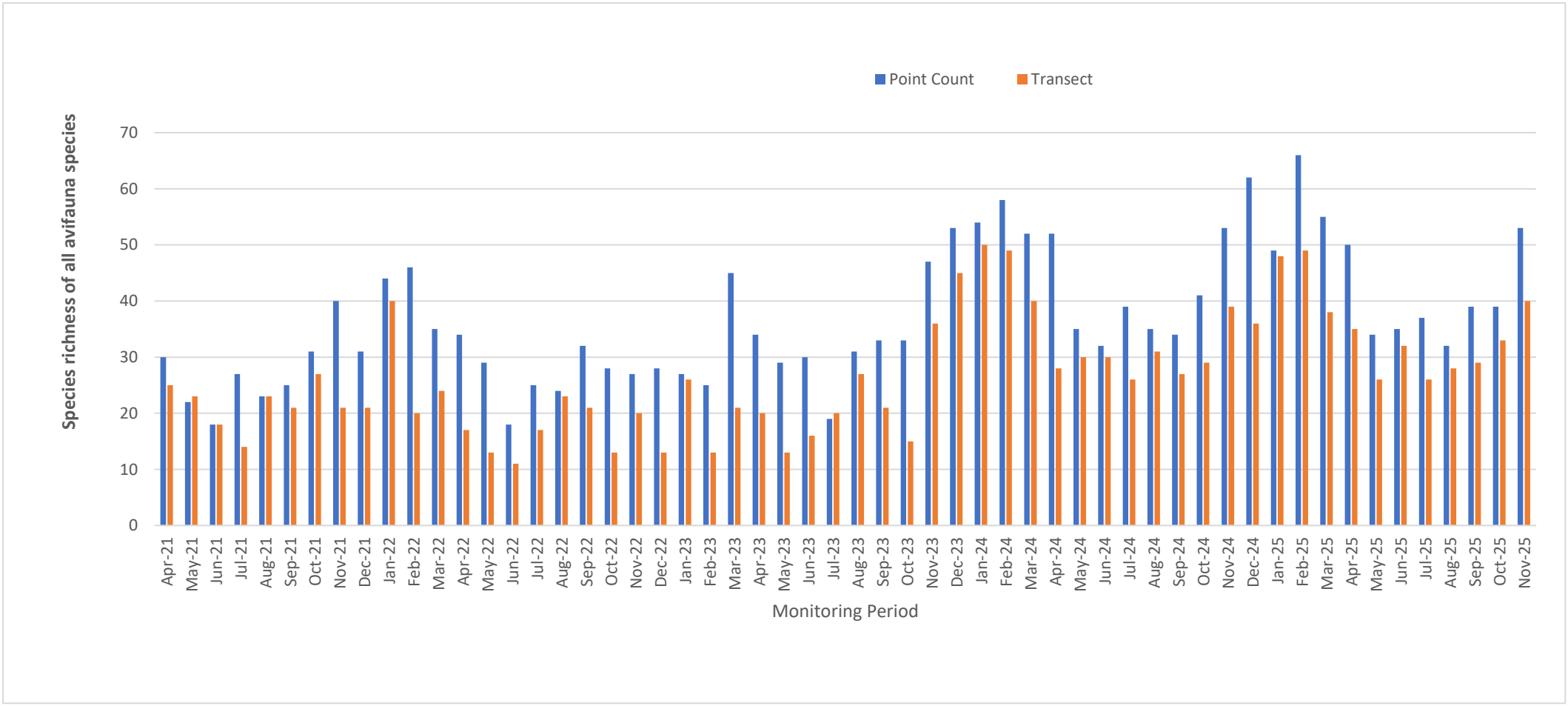
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



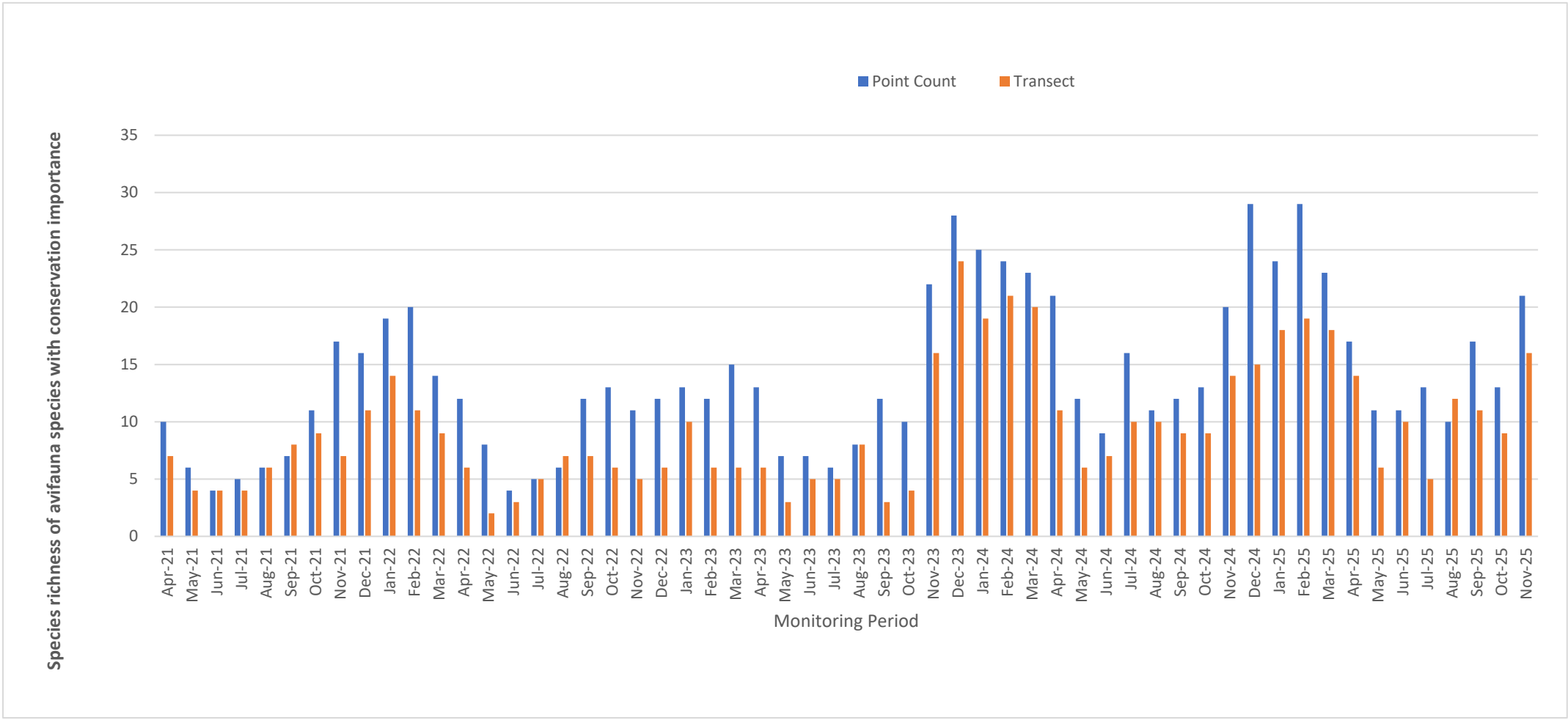
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



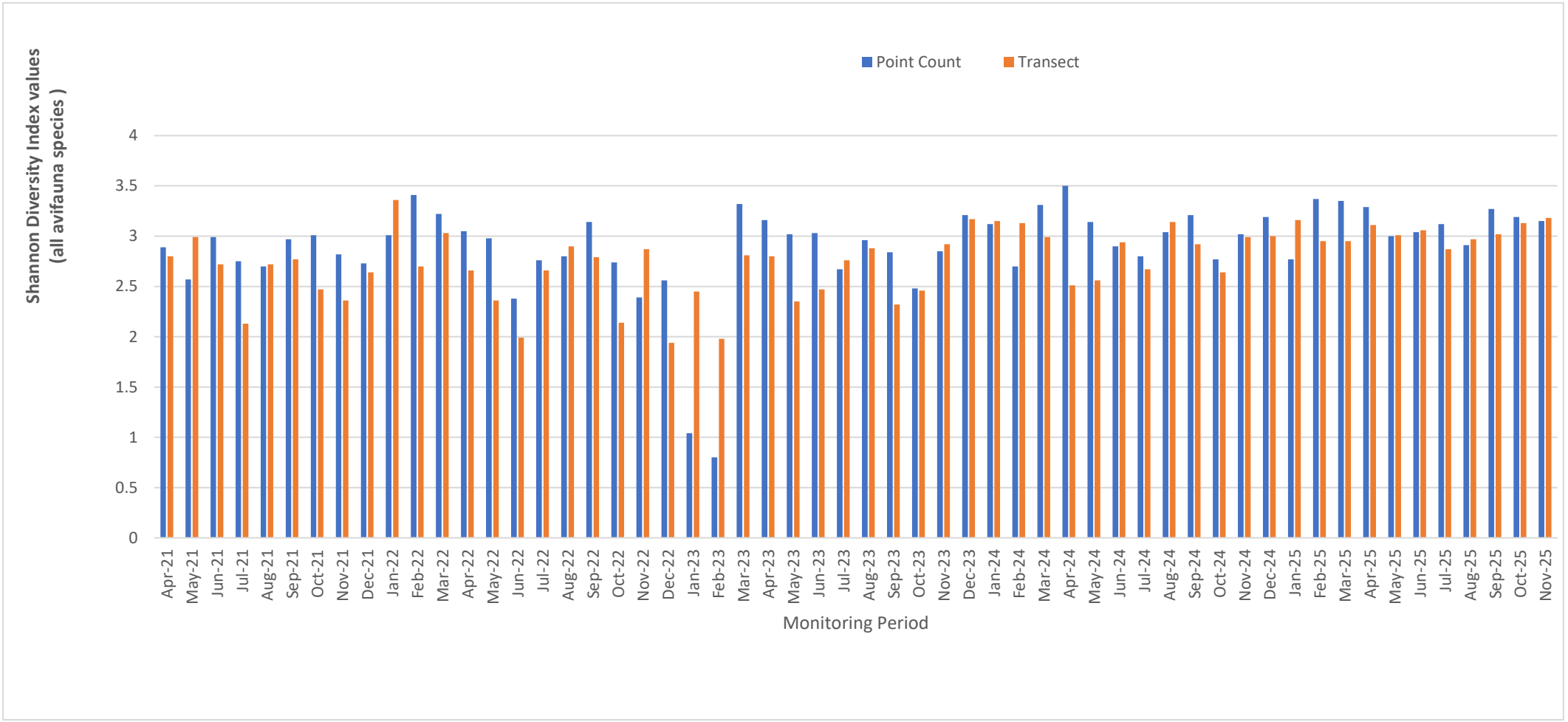
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



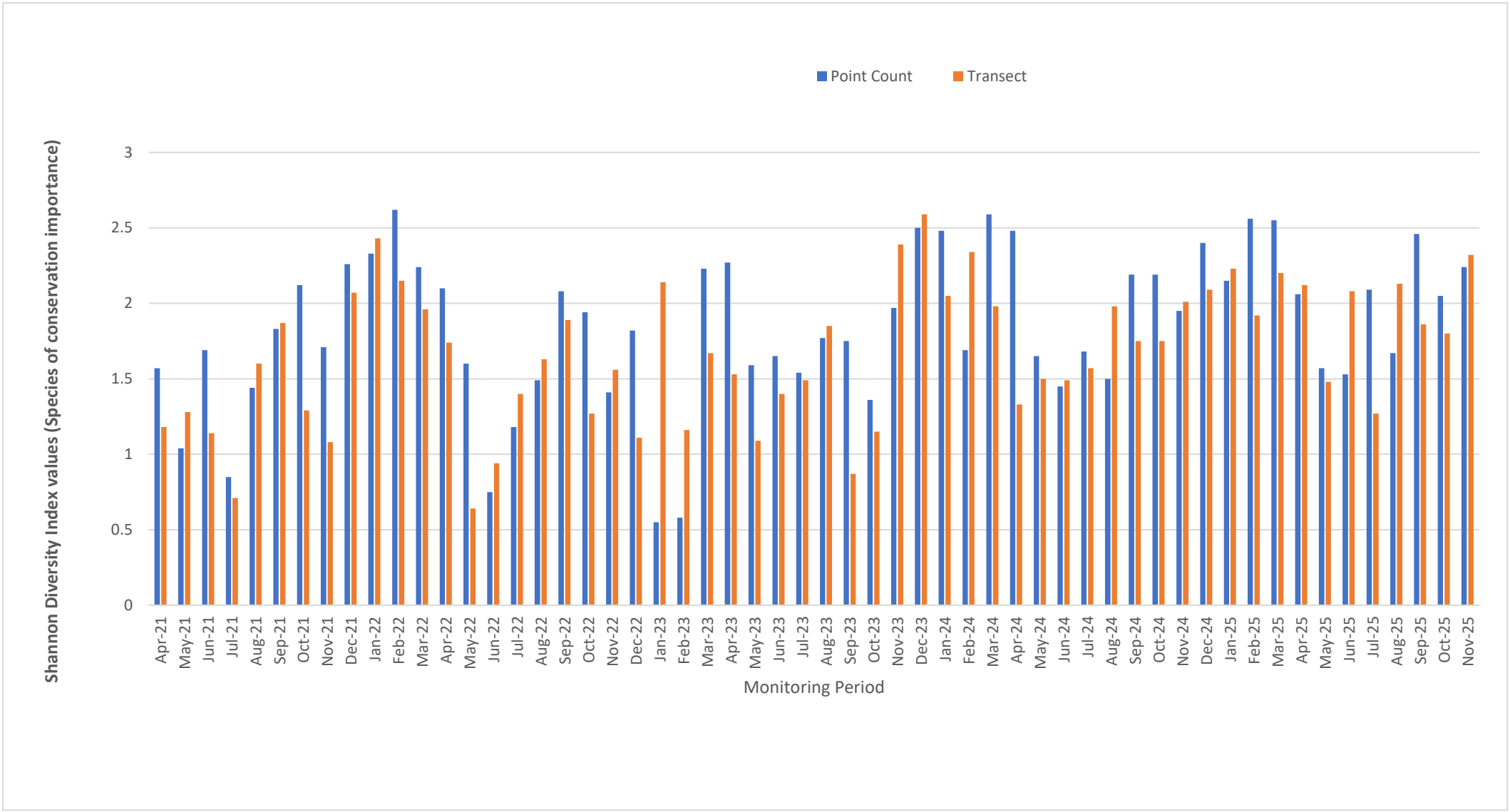
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



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:

$$t = \frac{H_a - H_b}{\sqrt{s^2_{H_a} + s^2_{H_b}}}$$

Appendix F.6.1 Species diversity of all avifauna species – Point Count Method

Months	November 2016	Noevmber 2025
Total	608	601
Richness	48	53
H	2.8142	3.1541
S^2H	0.003400	0.002825
t	4.3070	
df	1200.0185	
Crit	1.9619	
p	1.79E-05	
CI	0.1166	0.1063

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

Months	November 2016	November 2025
Total	125	244
Richness	20	40
H	2.3855	3.1813
S^2H	0.01016	0.004145
t	6.6531	
df	228.3235	
Crit	1.9704	
p	2.11E-10	
CI	0.2016	0.1288

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

Months	November 2016	November 2025
Total	394	337
Richness	20	21
H	1.9103	2.2431
S^2H	0.004800	0.005138
t	3.3383	
df	721.8937	
Crit	1.9633	
p	8.861E-04	
CI	0.1386	0.1434

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

Months	November 2016	November 2025
Total	59	124
Richness	7	16
H	1.1216	2.3205
S^2H	0.02210	0.00703
t	7.0242	
df	97.8121	
Crit	1.9847	
p	2.98E-10	
CI	0.2973	0.1677