

Air Quality Monitoring Results

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

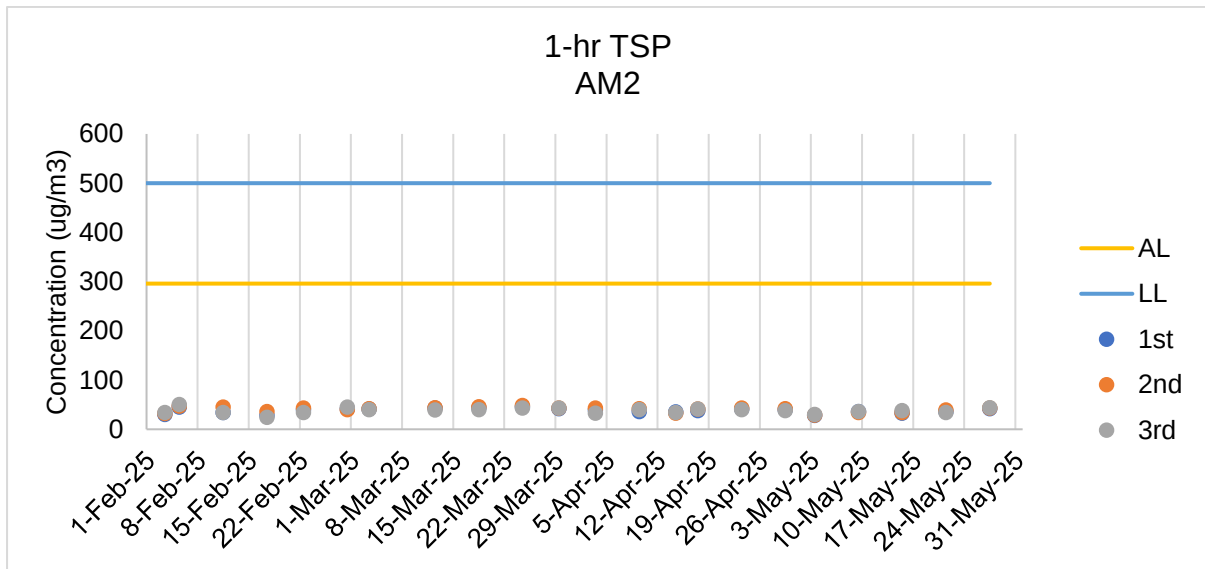
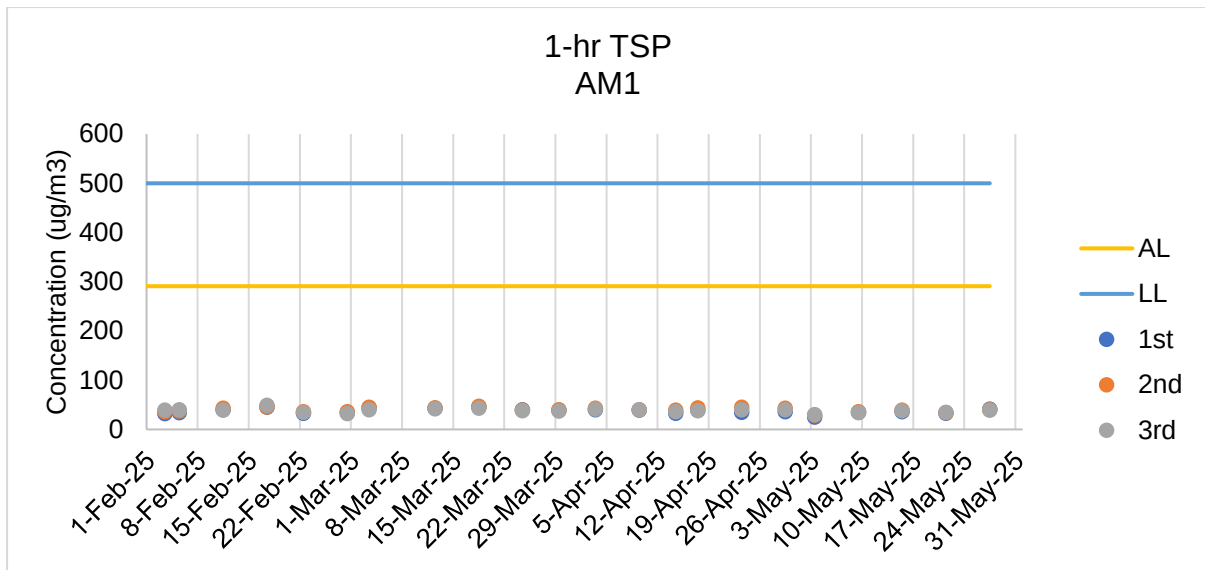
			1-hour TSP (µg/m³)			Action Level (ug/m³)	Limit Level (ug/m³)
Date	Weather Condition	Start Time	1st Measurement	2nd Measurement	3rd Measurement		
3/5/2025	Fine	8:23	25	29	30	291	500
9/5/2025	Fine	8:11	35	36	34		
15/5/2025	Fine	8:21	36	39	38		
21/5/2025	Fine	8:45	33	34	35		
27/5/2025	Fine	8:44	41	40	39		
		Min	25				
		Max	41				
		Average	35				

AM2 - Squatter house at the west of Yuen Long STW

AM2 - Squatter house at the West of Tuen Long SW			1-hour TSP (µg/m³)			Action Level (ug/m³)	Limit Level (ug/m³)
Date	Weather Condition	Start Time	1st Measurement	2nd Measurement	3rd Measurement		
3/5/2025	Fine	13:11	28	29	30	296	500
9/5/2025	Fine	13:02	36	34	36		
15/5/2025	Fine	15:21	33	34	38		
21/5/2025	Fine	13:45	36	39	34		
27/5/2025	Fine	13:55	42	43	44		
		Min	28				
		Max	44				
		Average	36				

Note:

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



Air Quality Monitoring Results

Noise Monitoring Results

**Noise Impact Monitoring Result for
Contract No. SPW 02/2023
Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1**

CM1 - Squatter house to the north of YLSTW

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
9/5/2025	10:11	56.5	57.5	55.2	3.6	sunny	75
15/5/2025	10:10	54.5	56.5	53.4	0.9	sunny	75
21/5/2025	10:35	60.2	62.5	59.5	0.2	sunny	75
27/5/2025	10:43	56.2	58.2	55.1	1.1	sunny	75
	Max	60.2					
	Min	54.5					

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)
9/5/2025	13:02	59.5	61.2	58.2	0.7	sunny	75
15/5/2025	15:21	58.6	60.2	57.4	1.3	sunny	75
21/5/2025	13:45	61.2	62.5	58.9	2.4	sunny	75
27/5/2025	13:55	58.2	60.3	56.6	3.7	sunny	75
	Max	61.2					
	Min	58.2					

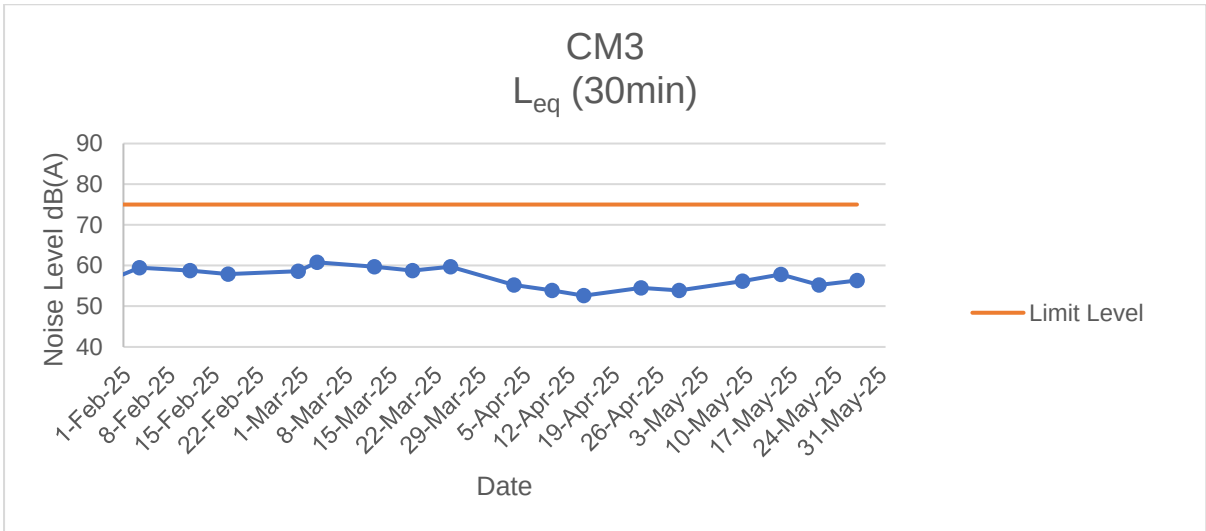
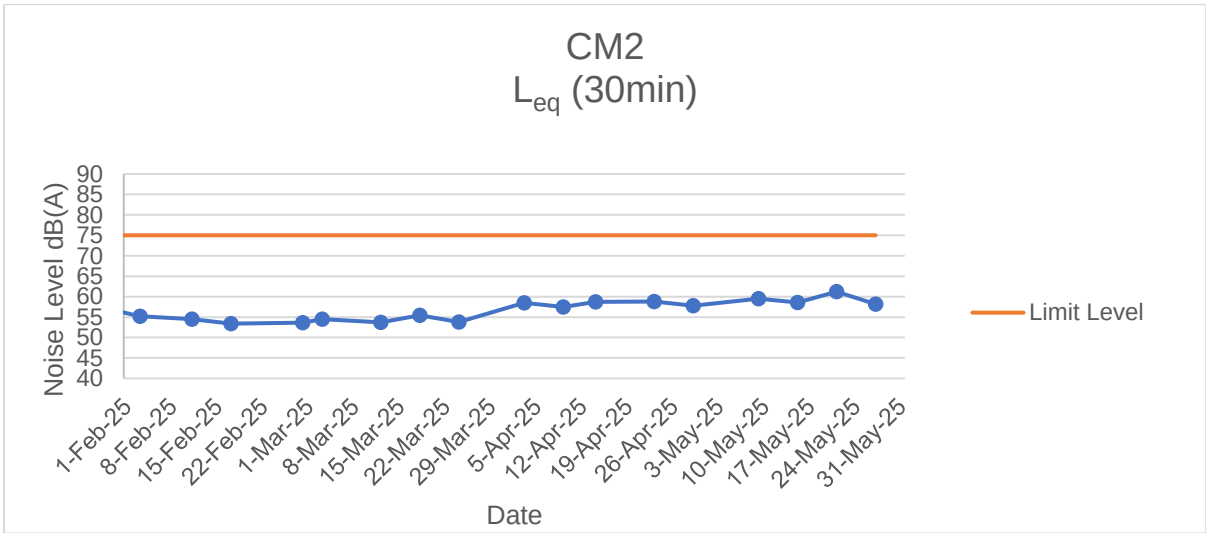
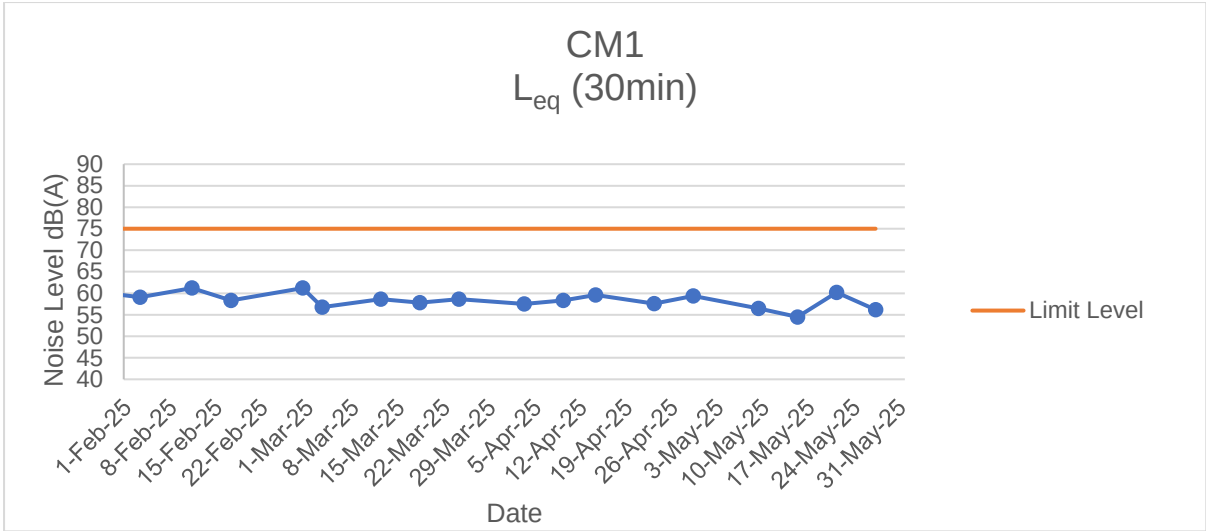
CM3 - Squatter house to the east of YLSTW

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)
9/5/2025	8:39	56.2	58.2	55.2	0.1	sunny	75
15/5/2025	8:43	57.8	59.5	56.0	1.0	sunny	75
21/5/2025	9:07	55.2	56.2	53.2	4.1	sunny	75
27/5/2025	9:10	56.3	58.1	55.1	0.1	sunny	75
	Max	57.8					
	Min	55.2					

Note:

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

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



Noise Monitoring Results

Water Quality Monitoring Results

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	2/5/2025	Mid-Flood	Cloudy	Low	16:25	2.3	M	1.15	1	0.083	164.388	7.08	7.08	3.13	3.11	23.0	23.00	37.5	37.65	2.78	2.79	19.49	19.495	32	31
M1	2/5/2025	Mid-Flood	Cloudy	Low	16:25	2.3	M	1.15	2			7.08	7.08	3.09	3.11	23.0	23.00	37.8	37.65	2.8	2.79	19.5	19.495	30	31
M2	2/5/2025	Mid-Flood	Cloudy	Low	16:55	2	M	1.00	1			7.09	7.10	3.05	3.09	23.0	23.05	37.9	37.65	2.81	2.79	20.40	20.21	29	31
M2	2/5/2025	Mid-Flood	Cloudy	Low	16:56	2	M	1.00	2	0.092	178.382	7.1	7.10	3.13	3.09	23.1	23.05	37.4	37.65	2.77	2.79	20.02	20.21	33	31
M3	2/5/2025	Mid-Flood	Cloudy	Low	17:12	1.9	M	0.95	1			7.11	7.11	3.61	3.58	23.0	23.05	52.4	51.80	3.88	3.84	28.47	28.575	38	34
M3	2/5/2025	Mid-Flood	Cloudy	Low	17:12	1.9	M	0.95	2			7.1	7.11	3.54	3.58	23.1	23.05	51.2	51.80	3.79	3.84	28.68	28.575	29	34
M1	2/5/2025	Mid-Ebb	Cloudy	Low	9:13	2.4	M	1.20	1	0.072	324.249	7.07	7.07	3.12	3.10	22.9	22.95	38.2	38.15	2.83	2.83	19.16	19.155	30	28
M1	2/5/2025	Mid-Ebb	Cloudy	Low	9:13	2.4	M	1.20	2			7.06	7.07	3.07	3.10	23.0	22.95	38.1	38.15	2.82	2.83	19.15	19.155	26	28
M2	2/5/2025	Mid-Ebb	Cloudy	Low	8:47	2.2	M	1.10	1			7.08	7.08	2.99	2.96	22.9	22.95	37.5	36.55	2.78	2.71	19.30	19.22	30	32
M2	2/5/2025	Mid-Ebb	Cloudy	Low	8:47	2.2	M	1.10	2	0.063	342.122	7.08	7.08	2.93	2.96	23.0	22.95	35.6	36.55	2.64	2.71	19.14	19.22	33	32
M3	2/5/2025	Mid-Ebb	Cloudy	Low	9:25	2	M	1.00	1			7.12	7.13	3.68	3.69	22.9	22.95	52.5	52.70	3.89	3.91	28.85	28.805	30	30
M3	2/5/2025	Mid-Ebb	Cloudy	Low	9:25	2	M	1.00	2			7.14	7.13	3.7	3.69	23.0	22.95	52.9	52.70	3.92	3.91	28.76	28.805	29	30

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 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	5/5/2025	Mid-Flood	Cloudy	Low	16:23	2.4	M	1.20	1	0.074	185.505	7.11	7.11	2.95	2.96	23.6	23.65	36.5	37.10	2.7	2.75	24.43	24.36	2.5	3
M1	5/5/2025	Mid-Flood	Cloudy	Low	16:23	2.4	M	1.20	2			7.11	7.11	2.97	2.96	23.7	23.65	37.7	37.10	2.79	2.75	24.29	24.36	2.5	3
M2	5/5/2025	Mid-Flood	Cloudy	Low	16:51	2.1	M	1.05	1			7.12	7.11	2.88	2.88	23.6	23.60	37.1	36.70	2.75	2.72	22.34	21.965	2.5	3
M2	5/5/2025	Mid-Flood	Cloudy	Low	16:52	2.1	M	1.05	2	0.088	186.965	7.1	7.11	2.88	2.88	23.6	23.60	36.3	36.70	2.69	2.72	21.59	21.965	2.5	3
M3	5/5/2025	Mid-Flood	Cloudy	Low	17:03	1.9	M	0.95	1			7.11	7.12	3.49	3.50	23.6	23.65	50.2	49.85	3.72	3.70	29.51	29.93	2.5	3
M3	5/5/2025	Mid-Flood	Cloudy	Low	17:04	1.9	M	0.95	2			7.13	7.12	3.5	3.50	23.7	23.65	49.5	49.85	3.67	3.70	30.35	29.93	2.5	3
M1	5/5/2025	Mid-Ebb	Cloudy	Low	14:45	2.5	M	1.25	1	0.079	330.444	7.1	7.11	2.91	2.89	23.8	23.85	37.1	36.80	2.75	2.73	19.00	18.975	2.5	3
M1	5/5/2025	Mid-Ebb	Cloudy	Low	14:45	2.5	M	1.25	2			7.11	7.11	2.86	2.89	23.9	23.85	36.5	36.80	2.7	2.73	18.95	18.975	2.5	3
M2	5/5/2025	Mid-Ebb	Cloudy	Low	14:12	2.3	M	1.15	1			7.11	7.12	3.08	3.08	23.8	23.80	38.1	38.70	2.82	2.87	21.55	21.815	2.5	3
M2	5/5/2025	Mid-Ebb	Cloudy	Low	14:12	2.3	M	1.15	2	0.071	316.1	7.13	7.12	3.07	3.08	23.8	23.80	39.3	38.70	2.91	2.87	22.08	21.815	2.5	3
M3	5/5/2025	Mid-Ebb	Cloudy	Low	14:55	2	M	1.00	1			7.09	7.09	3.85	3.87	23.8	23.85	50.4	51.00	3.73	3.78	29.91	29.18	2.5	3
M3	5/5/2025	Mid-Ebb	Cloudy	Low	14:55	2	M	1.00	2			7.08	7.09	3.88	3.87	23.9	23.85	51.6	51.00	3.82	3.78	28.45	29.18	2.5	3

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	7/5/2025	Mid-Flood	Cloudy	Low	10:32	2.3	M	1.15	1	0.086	186.353	7.12	7.13	2.85	2.82	24.8	24.80	36.5	35.80	2.7	2.65	25.58	25.66	22	23
M1	7/5/2025	Mid-Flood	Cloudy	Low	10:32	2.3	M	1.15	2			7.13		2.79		24.8		35.1		2.6		25.74		23	
M2	7/5/2025	Mid-Flood	Cloudy	Low	11:04	2.1	M	1.05	1			7.11	7.11	2.89	2.89	24.8	24.80	36.6	35.90	2.71	2.66	26.09	25.885	39	38
M2	7/5/2025	Mid-Flood	Cloudy	Low	11:05	2.1	M	1.05	2	0.087	181.975	7.1		2.89		24.8		35.2		2.61		25.68		37	
M3	7/5/2025	Mid-Flood	Cloudy	Low	11:16	2	M	1.00	1			7.15	7.15	3.33	3.29	24.6	24.60	51.0	51.30	3.78	3.80	33.35	33.185	35	34
M3	7/5/2025	Mid-Flood	Cloudy	Low	11:16	2	M	1.00	2	0.086	182.719	7.15		3.25		24.6		51.6		3.82		33.02		33	
M1	7/5/2025	Mid-Ebb	Cloudy	Low	16:28	2.4	M	1.20	1			7.11	7.12	2.75	2.80	24.4	24.40	37.5	37.80	2.78	2.80	24.14	24.3	41	39
M1	7/5/2025	Mid-Ebb	Cloudy	Low	16:29	2.4	M	1.20	2	0.061	325.549	7.12		2.85		24.4		38.1		2.82		24.46		37	
M2	7/5/2025	Mid-Ebb	Cloudy	Low	15:54	2.2	M	1.10	1			7.12	7.13	2.72	2.76	24.4	24.40	35.6	34.70	2.64	2.57	23.32	23.335	28	29
M2	7/5/2025	Mid-Ebb	Cloudy	Low	15:55	2.2	M	1.10	2	0.069	308.486	7.13		2.79		24.4		33.8		2.5		23.35		29	
M3	7/5/2025	Mid-Ebb	Cloudy	Low	16:38	2	M	1.00	1	0.075	319.248	7.16	7.17	3.48	3.47	24.4	24.40	51.8	51.00	3.84	3.78	32.65	32.52	48	46
M3	7/5/2025	Mid-Ebb	Cloudy	Low	16:39	2	M	1.00	2			7.17		3.46		24.4		50.2		3.72		32.39		43	

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

For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	9/5/2025	Mid-Flood	Cloudy	Low	11:32	2.5	M	1.25	1	0.08	189.69	7.11	7.11	2.88	2.88	25.1	25.10	37.3	37.3	2.76	2.76	22.52	22.52	19	19
M1	9/5/2025	Mid-Flood	Cloudy	Low	11:33	2.5	M	1.25	2			7.1	7.11	2.87	2.88	25.1	25.10	35.9	36.60	2.66	2.71	22.27	22.395	18	19
M2	9/5/2025	Mid-Flood	Cloudy	Low	12:05	2.2	M	1.10	1	0.081	175.162	7.09	7.09	2.91	2.89	25.1	25.10	36.6	36.6	2.71	2.67	23.58	23.575	16	18
M2	9/5/2025	Mid-Flood	Cloudy	Low	12:05	2.2	M	1.10	2			7.09	7.09	2.87	2.89	25.1	25.10	35.5	36.05	2.63	2.67	23.57	23.575	19	18
M3	9/5/2025	Mid-Flood	Cloudy	Low	12:15	2	M	1.00	1	0.079	190.817	7.12	7.12	3.47	3.51	25.4	25.40	51.6	52.20	3.82	3.87	28.55	28.62	17	18
M3	9/5/2025	Mid-Flood	Cloudy	Low	12:15	2	M	1.00	2			7.11	7.12	3.55	3.51	25.4	25.40	52.8	52.20	3.91	3.87	28.69	28.62	19	18
M1	9/5/2025	Mid-Ebb	Cloudy	Low	18:03	2.5	M	1.25	1	0.077	334.751	7.08	7.08	2.83	2.82	24.8	24.85	38.2	38.25	2.83	2.84	27.11	26.93	19	18
M1	9/5/2025	Mid-Ebb	Cloudy	Low	18:03	2.5	M	1.25	2			7.07	7.08	2.81	2.82	24.9	24.85	38.3	38.25	2.84	2.84	26.75	26.93	17	18
M2	9/5/2025	Mid-Ebb	Cloudy	Low	17:36	2.2	M	1.10	1	0.073	320.418	7.09	7.10	2.74	2.71	24.9	24.90	37.7	36.95	2.79	2.74	25.65	25.625	20	22
M2	9/5/2025	Mid-Ebb	Cloudy	Low	17:36	2.2	M	1.10	2			7.11	7.10	2.67	2.71	24.9	24.90	36.2	36.95	2.68	2.74	25.6	25.625	23	22
M3	9/5/2025	Mid-Ebb	Cloudy	Low	18:15	2	M	1.00	1	0.067	332.765	7.11	7.12	3.53	3.52	25.0	25.00	50.5	50.00	3.74	3.71	30.96	30.94	20	19
M3	9/5/2025	Mid-Ebb	Cloudy	Low	18:16	2	M	1.00	2			7.12	7.12	3.5	3.52	25.0	25.00	49.5	50.00	3.67	3.71	30.92	30.94	18	19

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	12/5/2025	Mid-Flood	Sunny	Low	12:59	2.3	M	1.15	1	0.078	182.212	7.11	7.12	2.89	2.91	24.8	24.80	38.9	38.40	2.88	2.85	19.48	19.295	26	32
M1	12/5/2025	Mid-Flood	Sunny	Low	13:00	2.3	M	1.15	2			7.13		2.92		24.8		37.9		2.81		19.11		37	
M2	12/5/2025	Mid-Flood	Sunny	Low	13:36	2.1	M	1.05	1	0.087	176.093	7.11	7.10	2.86	2.88	24.8	24.80	37.3	36.25	2.76	2.69	20.41	20.215	36	31
M2	12/5/2025	Mid-Flood	Sunny	Low	13:36	2.1	M	1.05	2			7.09		2.89		24.8		35.2		2.61		20.02		26	
M3	12/5/2025	Mid-Flood	Sunny	Low	13:49	1.8	M	0.90	1	0.082	163.57	7.15	7.16	3.65	3.65	25.1	25.10	52.0	51.80	3.85	3.84	27.63	27.755	37	37
M3	12/5/2025	Mid-Flood	Sunny	Low	13:49	1.8	M	0.90	2			7.16		3.64		25.1		51.6		3.82		27.88		37	
M1	12/5/2025	Mid-Ebb	Sunny	Low	8:45	2.2	M	1.10	1	0.06	308.394	7.11	7.11	2.88	2.86	24.2	24.20	38.2	38.80	2.83	2.88	20.09	20.21	35	37
M1	12/5/2025	Mid-Ebb	Sunny	Low	8:45	2.2	M	1.10	2			7.11		2.83		24.2		39.4		2.92		20.33		38	
M2	12/5/2025	Mid-Ebb	Sunny	Low	8:10	1.8	M	0.90	1	0.06	307.786	7.1	7.09	2.90	2.86	24.2	24.20	35.2	34.70	2.61	2.57	19.69	19.755	30	40
M2	12/5/2025	Mid-Ebb	Sunny	Low	8:11	1.8	M	0.90	2			7.08		2.81		24.2		34.2		2.53		19.82		49	
M3	12/5/2025	Mid-Ebb	Sunny	Low	9:03	1.8	M	0.90	1	0.076	314.473	7.14	7.14	3.57	3.57	24.5	24.50	53.9	53.55	3.99	3.97	26.93	27.015	43	44
M3	12/5/2025	Mid-Ebb	Sunny	Low	9:03	1.8	M	0.90	2			7.14		3.57		24.5		53.2		3.94		27.1		45	

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	14/5/2025	Mid-Flood	Sunny	Low	14:08	2.4	M	1.20	1	0.083	179.957	7.11	7.11	2.78	2.82	23.9	23.90	37.5	37.05	2.78	2.75	20.54	21.135	21	23
M1	14/5/2025	Mid-Flood	Sunny	Low	14:08	2.4	M	1.20	2			7.1		2.86		23.9		36.6		2.71		21.73		25	
M2	14/5/2025	Mid-Flood	Sunny	Low	14:38	2.1	M	1.05	1	0.076	175.658	7.12	7.13	2.83	2.79	23.9	23.90	37.7	37.90	2.79	2.81	20.30	20.47	18	18
M2	14/5/2025	Mid-Flood	Sunny	Low	14:39	2.1	M	1.05	2			7.13		2.74		23.9		38.1		2.82		20.64		17	
M3	14/5/2025	Mid-Flood	Sunny	Low	15:01	2	M	1.00	1	0.095	184.556	7.11	7.11	3.69	3.66	23.9	23.95	49.8	49.75	3.69	3.69	22.56	22.52	16	20
M3	14/5/2025	Mid-Flood	Sunny	Low	15:01	2	M	1.00	2			7.11		3.63		24.0		49.7		3.68		22.48		23	
M1	14/5/2025	Mid-Ebb	Sunny	Low	9:38	2.3	M	1.15	1	0.071	305.099	7.13	7.14	2.78	2.77	23.8	23.80	37.0	36.45	2.75	2.71	19.17	19.085	23	23
M1	14/5/2025	Mid-Ebb	Sunny	Low	9:38	2.3	M	1.15	2			7.15		2.75		23.8		35.9		2.66		19		23	
M2	14/5/2025	Mid-Ebb	Sunny	Low	9:00	2	M	1.00	1	0.081	339.366	7.14	7.15	2.85	2.88	23.8	23.80	36.7	37.25	2.72	2.76	20.26	19.07	24	21
M2	14/5/2025	Mid-Ebb	Sunny	Low	9:00	2	M	1.00	2			7.16		2.9		23.8		37.8		2.8		17.88		18	
M3	14/5/2025	Mid-Ebb	Sunny	Low	9:48	1.9	M	0.95	1	0.063	312.251	7.15	7.15	3.59	3.57	23.8	23.80	50.1	49.40	3.71	3.66	25.89	25.04	25	32
M3	14/5/2025	Mid-Ebb	Sunny	Low	9:48	1.9	M	0.95	2			7.14		3.54		23.8		48.7		3.61		24.19		38	

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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	16/5/2025	Mid-Flood	Sunny	Low	15:24	2.4	M	1.20	1	0.076	176.25	7.15	7.15	3.16	3.19	24.5	24.50	39.3	39.00	2.91	2.89	22.55	22.47	21	22
M1	16/5/2025	Mid-Flood	Sunny	Low	15:25	2.4	M	1.20	2			7.15	7.15	3.22	3.19	24.5	24.50	38.7	39.00	2.87	2.89	22.39	22.47	22	22
M2	16/5/2025	Mid-Flood	Sunny	Low	15:58	2.2	M	1.10	1			7.14	7.14	3.21	3.20	24.5	24.50	38.2	38.60	2.83	2.86	21.49	21.3	22	22
M2	16/5/2025	Mid-Flood	Sunny	Low	15:58	2.2	M	1.10	2	0.088	187.237	7.14	7.14	3.18	3.20	24.5	24.50	39.0	38.60	2.89	2.86	21.11	21.3	22	22
M3	16/5/2025	Mid-Flood	Sunny	Low	16:08	2	M	1.00	1			7.21	7.21	3.85	3.86	24.2	24.20	51.0	51.55	3.78	3.82	25.63	25.505	20	17
M3	16/5/2025	Mid-Flood	Sunny	Low	16:08	2	M	1.00	2			7.2	7.21	3.86	3.86	24.2	24.20	52.1	51.55	3.86	3.82	25.38	25.505	13	17
M1	16/5/2025	Mid-Ebb	Sunny	Low	8:34	2.3	M	1.15	1	0.058	300.917	7.13	7.12	3.02	2.99	24.3	24.30	37.4	37.15	2.77	2.75	21.24	21.39	16	16
M1	16/5/2025	Mid-Ebb	Sunny	Low	8:34	2.3	M	1.15	2			7.11	7.12	2.95	2.99	24.3	24.30	36.9	37.15	2.73	2.75	21.54	21.39	16	16
M2	16/5/2025	Mid-Ebb	Sunny	Low	8:01	2	M	1.00	1			7.14	7.15	2.95	2.94	24.3	24.30	37.5	37.25	2.78	2.76	22.33	22.475	18	19
M2	16/5/2025	Mid-Ebb	Sunny	Low	8:01	2	M	1.00	2	0.059	324.92	7.15	7.15	2.92	2.94	24.3	24.30	37.0	37.25	2.74	2.76	22.62	22.475	19	19
M3	16/5/2025	Mid-Ebb	Sunny	Low	8:49	1.9	M	0.95	1			7.2	7.19	3.98	4.03	24.6	24.60	51.3	51.25	3.8	3.80	24.98	24.82	22	20
M3	16/5/2025	Mid-Ebb	Sunny	Low	8:49	1.9	M	0.95	2			7.18	7.19	4.07	4.03	24.6	24.60	51.2	51.25	3.79	3.80	24.66	24.82	17	20

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	19/5/2025	Mid-Flood	Cloudy	Low	17:40	2.5	M	1.25	1	0.081	165.151	7.08	7.07	2.75	2.80	24.5	24.55	39.4	39.50	2.92	2.93	22.11	21.915	25	25
M1	19/5/2025	Mid-Flood	Cloudy	Low	17:40	2.5	M	1.25	2			7.06		2.84		24.6		39.6		2.93		21.72		25	
M2	19/5/2025	Mid-Flood	Cloudy	Low	18:05	2.3	M	1.15	1			7.09		2.84		24.5		40.4		2.99		22.47		23	
M2	19/5/2025	Mid-Flood	Cloudy	Low	18:05	2.3	M	1.15	2	0.08	169.376	7.1	7.10	2.9	2.87	24.5	24.50	39.2	39.80	2.9	2.95	22.29	22.38	38	31
M3	19/5/2025	Mid-Flood	Cloudy	Low	18:30	2	M	1.00	1			7.12		3.69		24.5		52.0		3.85		28.57		38	
M3	19/5/2025	Mid-Flood	Cloudy	Low	18:30	2	M	1.00	2			7.14		3.67		24.6		50.0		3.7		28.74		40	
M1	19/5/2025	Mid-Ebb	Cloudy	Low	10:40	2.4	M	1.20	1	0.066	335.192	7.08	7.09	2.48	2.45	24.6	24.60	36.9	37.55	2.73	2.78	21.10	21.26	36	28
M1	19/5/2025	Mid-Ebb	Cloudy	Low	10:41	2.4	M	1.20	2			7.09		2.41		24.6		38.2		2.83		21.42		20	
M2	19/5/2025	Mid-Ebb	Cloudy	Low	10:02	2.1	M	1.05	1			7.07	7.08	2.64	2.66	24.6	24.60	48.7	49.75	3.68	3.72	22.25	22.305	20	27
M2	19/5/2025	Mid-Ebb	Cloudy	Low	10:02	2.1	M	1.05	2	0.069	337.881	7.09		2.67		24.6		50.8		3.76		22.36		34	
M3	19/5/2025	Mid-Ebb	Cloudy	Low	10:56	1.9	M	0.95	1			7.12		3.88		24.6		52.8		3.91		28.93		30	
M3	19/5/2025	Mid-Ebb	Cloudy	Low	10:56	1.9	M	0.95	2	0.079	313.267	7.1	7.11	3.85	3.87	24.7	24.65	51.8	52.30	3.84	3.88	28.95	28.94	28	29

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For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	21/5/2025	Mid-Flood	Cloudy	Low	8:37	2.4	M	1.20	1	0.074	190.898	7.15	7.16	3.35	3.38	24.1	24.10	36.7	37.70	2.82	2.85	26.41	25.995	28	27
M1	21/5/2025	Mid-Flood	Cloudy	Low	8:37	2.4	M	1.20	2			7.17		3.4		24.1		38.7		2.87		25.58		26	
M2	21/5/2025	Mid-Flood	Cloudy	Low	9:03	2.1	M	1.05	1	0.076	185.856	7.15	7.18	3.44	3.42	24.1	24.15	37.4	38.05	2.77	2.82	23.85	23.975	23	26
M2	21/5/2025	Mid-Flood	Cloudy	Low	9:04	2.1	M	1.05	2			7.21		3.39		24.2		38.7		2.87		24.1		29	
M3	21/5/2025	Mid-Flood	Cloudy	Low	9:12	1.9	M	0.95	1	0.077	174.479	7.18	7.20	3.92	3.89	24.1	24.15	51.8	50.35	3.84	3.73	27.46	27.41	25	22
M3	21/5/2025	Mid-Flood	Cloudy	Low	9:12	1.9	M	0.95	2			7.21		3.86		24.2		48.9		3.62		27.36		19	
M1	21/5/2025	Mid-Ebb	Cloudy	Low	13:49	2.4	M	1.20	1	0.077	303.056	7.14	7.13	3.12	3.16	24.5	24.50	36.3	36.90	2.69	2.74	19.68	19.495	23	24
M1	21/5/2025	Mid-Ebb	Cloudy	Low	13:49	2.4	M	1.20	2			7.12		3.19		24.5		37.5		2.78		19.31		25	
M2	21/5/2025	Mid-Ebb	Cloudy	Low	13:17	2	M	1.00	1	0.068	341.924	7.13	7.14	3.21	3.21	24.5	24.50	37.0	37.45	2.74	2.78	20.34	20.495	20	20
M2	21/5/2025	Mid-Ebb	Cloudy	Low	13:17	2	M	1.00	2			7.15		3.2		24.5		37.9		2.81		20.65		20	
M3	21/5/2025	Mid-Ebb	Cloudy	Low	14:01	1.8	M	0.90	1	0.078	334.967	7.19	7.20	3.99	3.98	24.5	24.55	51.4	51.00	3.81	3.78	26.85	26.89	24	24
M3	21/5/2025	Mid-Ebb	Cloudy	Low	14:01	1.8	M	0.90	2			7.21		3.96		24.6		50.6		3.75		26.93		24	

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

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	23/5/2025	Mid-Flood	Cloudy	Low	10:21	2.3	M	1.15	1	0.089	187.501	7.18	7.17	2.99	3.03	24.9	24.95	38.7	39.40	2.93	2.99	21.88	22.15	23	23
M1	23/5/2025	Mid-Flood	Cloudy	Low	10:21	2.3	M	1.15	2			7.16		3.06		25		40.1		3.04		22.42		22	
M2	23/5/2025	Mid-Flood	Cloudy	Low	10:55	2	M	1.00	1			7.17		3.07		24.9		37.6		2.85		21.42		25	
M2	23/5/2025	Mid-Flood	Cloudy	Low	10:55	2	M	1.00	2	0.093	188.364	7.17	7.17	3	3.04	25	24.95	35.8	36.70	2.71	2.78	21.11	21.265	36	31
M3	23/5/2025	Mid-Flood	Cloudy	Low	10:59	1.9	M	0.95	1			7.18		3.56		24.9		52.5		3.98		28.70		26	
M3	23/5/2025	Mid-Flood	Cloudy	Low	10:59	1.9	M	0.95	2			7.2		3.65		24.9		52.1		3.95		26.16		25	
M1	23/5/2025	Mid-Ebb	Cloudy	Low	16:35	2.4	M	1.20	1	0.064	314.558	7.16	7.17	3.09	3.09	24.6	24.60	38.7	37.50	2.93	2.84	21.24	20.035	28	26
M1	23/5/2025	Mid-Ebb	Cloudy	Low	16:36	2.4	M	1.20	2			7.17		3.09		24.6		36.3		2.75		18.83		24	
M2	23/5/2025	Mid-Ebb	Cloudy	Low	16:05	1.9	M	0.95	1			7.16		2.93		24.6		37.9		2.87		21.28		30	
M2	23/5/2025	Mid-Ebb	Cloudy	Low	16:05	1.9	M	0.95	2	0.067	305.437	7.18	7.17	2.95	2.94	24.6	24.60	36.0	36.95	2.73	2.80	19.44	20.36	32	31
M3	23/5/2025	Mid-Ebb	Cloudy	Low	16:48	1.8	M	0.90	1			7.19		3.69		24.6		51.2		3.88		25.89		34	
M3	23/5/2025	Mid-Ebb	Cloudy	Low	16:48	1.8	M	0.90	2			7.17		3.64		24.6		53.3		4.04		25.57		35	

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	26/5/2025	Mid-Flood	Sunny	Low	12:24	2.4	M	1.20	1	0.077	161.878	7.08	7.08	2.98	2.99	25.4	25.40	36.2	35.80	3.08	3.05	18.51	18.355	71	73
M1	26/5/2025	Mid-Flood	Sunny	Low	12:24	2.4	M	1.20	2			7.08	7.08	2.99	2.99	25.4	25.40	35.4	35.80	3.01	3.05	18.2	18.355	74	73
M2	26/5/2025	Mid-Flood	Sunny	Low	12:51	2.1	M	1.05	1			7.09	7.08	2.85	2.85	25.5	25.50	34.0	34.10	2.89	2.90	18.25	18.185	67	66
M2	26/5/2025	Mid-Flood	Sunny	Low	12:52	2.1	M	1.05	2	0.091	167.125	7.07	7.08	2.84	2.85	25.5	25.50	34.2	34.10	2.91	2.90	18.12	18.185	65	66
M3	26/5/2025	Mid-Flood	Sunny	Low	13:03	2	M	1.00	1			7.14	7.15	3.19	3.16	25.8	25.80	45.7	44.90	3.89	3.82	27.57	27.38	64	67
M3	26/5/2025	Mid-Flood	Sunny	Low	13:04	2	M	1.00	2			7.15	7.15	3.13	3.16	25.8	25.80	44.1	44.90	3.75	3.82	27.19	27.38	70	67
M1	26/5/2025	Mid-Ebb	Sunny	Low	17:52	2.4	M	1.20	1	0.077	322.51	7.07	7.07	2.96	2.92	25.2	25.20	37.2	37.65	3.17	3.21	19.07	19.09	70	63
M1	26/5/2025	Mid-Ebb	Sunny	Low	17:53	2.4	M	1.20	2			7.06	7.07	2.87	2.92	25.2	25.20	38.1	37.65	3.24	3.21	19.11	19.09	56	63
M2	26/5/2025	Mid-Ebb	Sunny	Low	17:18	2	M	1.00	1			7.07	7.06	3.02	3.04	25.3	25.30	35.1	34.60	2.99	2.94	19.20	19.08	70	68
M2	26/5/2025	Mid-Ebb	Sunny	Low	17:18	2	M	1.00	2	0.058	320.253	7.05	7.06	3.06	3.04	25.3	25.30	34.1	34.60	2.89	2.94	18.96	19.08	66	68
M3	26/5/2025	Mid-Ebb	Sunny	Low	18:04	1.8	M	0.90	1			7.13	7.14	3.75	3.72	25.6	25.60	44.5	44.45	3.79	3.79	25.92	25.92	59	61
M3	26/5/2025	Mid-Ebb	Sunny	Low	18:05	1.8	M	0.90	2			7.14	7.14	3.69	3.72	25.6	25.60	44.4	44.45	3.78	3.79	25.92	25.92	62	61

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	87	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	77.1	83.525

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	28/5/2025	Mid-Flood	Cloudy	Low	13:59	2.3	M	1.15	1	0.078	171.855	7.06	7.05	3.59	3.55	25.6	25.60	38.4	38.85	2.93	2.97	23.55	23.52	30	33
M1	28/5/2025	Mid-Flood	Cloudy	Low	13:59	2.3	M	1.15	2			7.04		3.5		25.6		39.3		3		23.49		36	
M2	28/5/2025	Mid-Flood	Cloudy	Low	14:28	2.1	M	1.05	1			7.08	7.08	3.68	3.71	25.6	25.60	39.7	38.90	3.03	2.97	24.25	24.26	22	31
M2	28/5/2025	Mid-Flood	Cloudy	Low	14:28	2.1	M	1.05	2	0.092	162.547	7.07		3.73		25.6		38.1		2.91		24.27		40	
M3	28/5/2025	Mid-Flood	Cloudy	Low	14:33	2	M	1.00	1			7.13	7.14	4.05	4.03	25.7	25.70	54.6	54.00	4.17	4.13	31.43	31.32	39	36
M3	28/5/2025	Mid-Flood	Cloudy	Low	14:33	2	M	1.00	2	0.079	184.676	7.15		4		25.7		53.4		4.08		31.21		32	
M1	28/5/2025	Mid-Ebb	Cloudy	Low	9:15	2.2	M	1.10	1	0.079	330.95	7.07	7.06	3.35	3.35	25.4	25.40	37.9	38.40	2.89	2.93	22.93	22.74	35	38
M1	28/5/2025	Mid-Ebb	Cloudy	Low	9:15	2.2	M	1.10	2			7.05		3.34		25.4		38.9		2.97		22.55		40	
M2	28/5/2025	Mid-Ebb	Cloudy	Low	8:41	1.9	M	0.95	1	0.065	315.872	7.1	7.09	3.48	3.44	25.3	25.30	38.3	38.75	2.92	2.96	24.30	24.17	38	37
M2	28/5/2025	Mid-Ebb	Cloudy	Low	8:42	1.9	M	0.95	2			7.08		3.39		25.3		39.2		2.99		24.04		35	
M3	28/5/2025	Mid-Ebb	Cloudy	Low	9:24	1.7	M	0.85	1	0.076	338.226	7.14	7.13	4.12	4.14	25.5	25.50	54.4	53.45	4.15	4.08	32.01	31.86	45	43
M3	28/5/2025	Mid-Ebb	Cloudy	Low	9:24	1.7	M	0.85	2			7.12		4.15		25.5		52.5		4.01		31.71		41	

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.
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For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	30/5/2025	Mid-Flood	Cloudy	Low	15:31	2.4	M	1.20	1	0.083	186.387	7.12	7.13	2.93	2.97	26.5	26.50	38.1	38.30	2.82	2.84	25.44	25.62	31	31
M1	30/5/2025	Mid-Flood	Cloudy	Low	15:31	2.4	M	1.20	2			7.14		3.01		26.5		38.5		2.85		25.8		30	
M2	30/5/2025	Mid-Flood	Cloudy	Low	16:01	2.2	M	1.10	1			7.13		2.92		26.5		37.5		2.78		24.33		28	
M2	30/5/2025	Mid-Flood	Cloudy	Low	16:02	2.2	M	1.10	2	0.086	188.245	7.12	7.13	2.84	2.88	26.6	26.55	36.2	36.85	2.68	2.73	24.28	24.305	36	32
M3	30/5/2025	Mid-Flood	Cloudy	Low	16:09	2	M	1.00	1			7.19		3.34		26.5		50.5		3.74		31.28		38	
M3	30/5/2025	Mid-Flood	Cloudy	Low	16:09	2	M	1.00	2			7.21		3.28		26.5		49.7		3.68		31.53		28	
M1	30/5/2025	Mid-Ebb	Cloudy	Low	10:33	2.2	M	1.10	1	0.07	334.299	7.11	7.12	2.78	2.76	26.1	26.15	37.0	36.75	2.74	2.72	22.98	22.815	32	30
M1	30/5/2025	Mid-Ebb	Cloudy	Low	10:34	2.2	M	1.10	2			7.13		2.73		26.2		36.5		2.7		22.65		27	
M2	30/5/2025	Mid-Ebb	Cloudy	Low	9:59	2	M	1.00	1			7.12		2.72		26.1		37.8		2.8		23.23		32	
M2	30/5/2025	Mid-Ebb	Cloudy	Low	9:59	2	M	1.00	2	0.061	306.413	7.14	7.13	2.76	2.74	26.2	26.15	37.5	37.65	2.78	2.79	22.93	23.08	28	30
M3	30/5/2025	Mid-Ebb	Cloudy	Low	10:48	1.8	M	0.90	1			7.18		3.44		26.1		52.0		3.85		31.88		27	
M3	30/5/2025	Mid-Ebb	Cloudy	Low	10:49	1.8	M	0.90	2			7.19		3.52		26.2		53.3		3.95		31.74		35	

Remark

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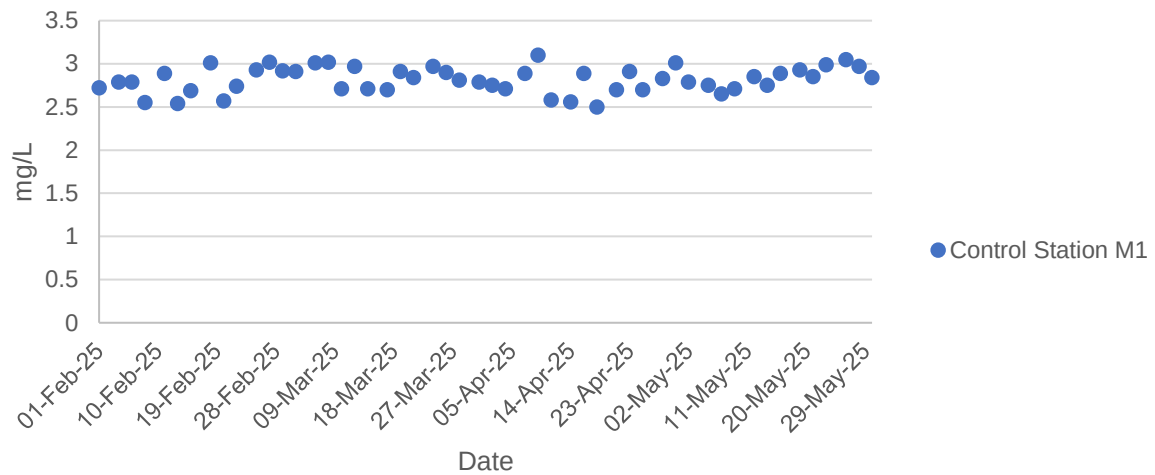
For Flood Tide

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

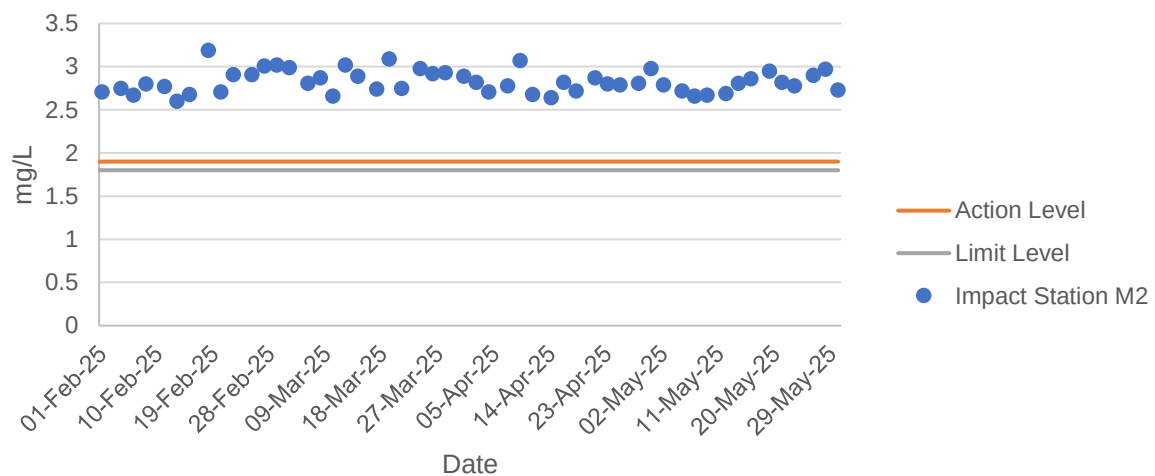
For Ebb Tide

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

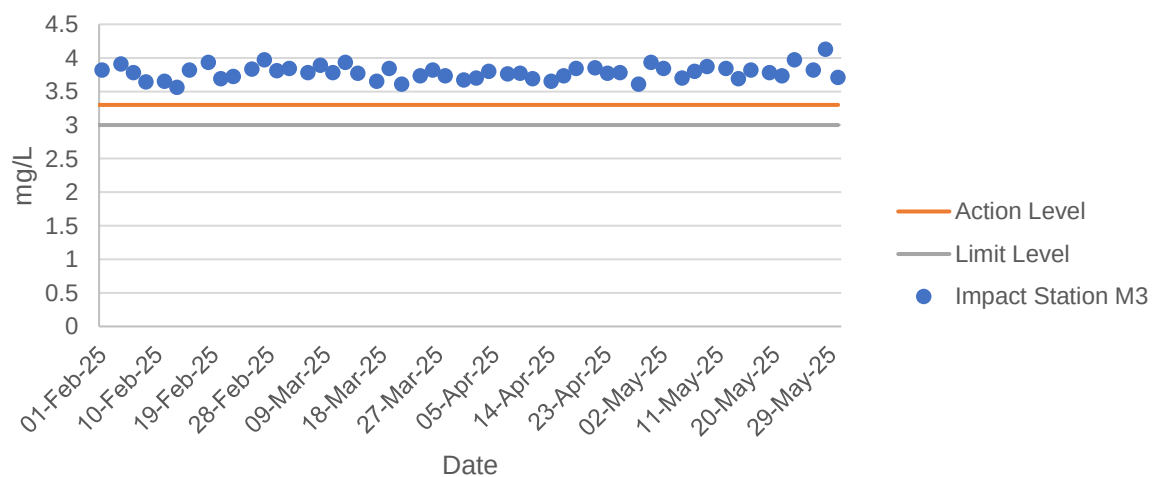
Dissolved Oxygen at Mid-Flood Tide



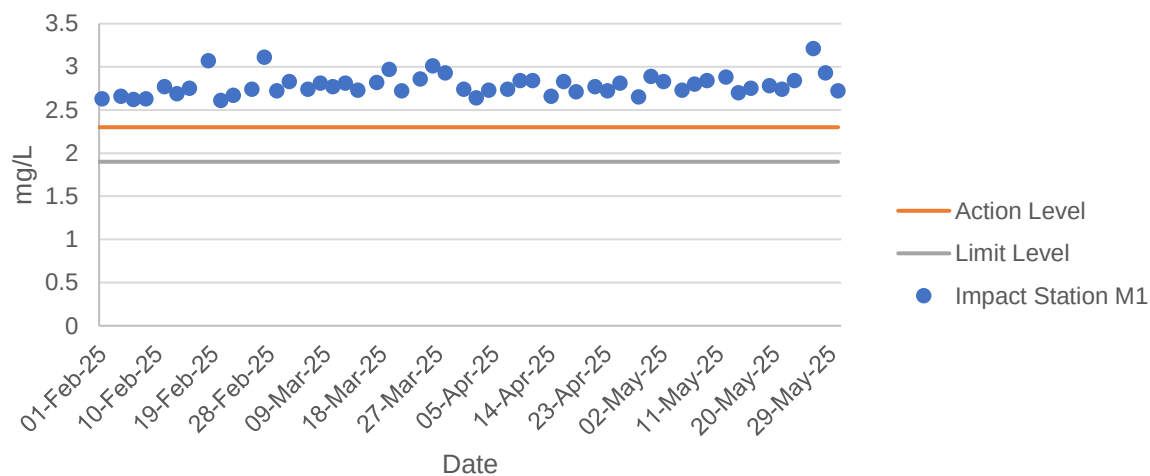
Dissolved Oxygen at Mid-Flood Tide



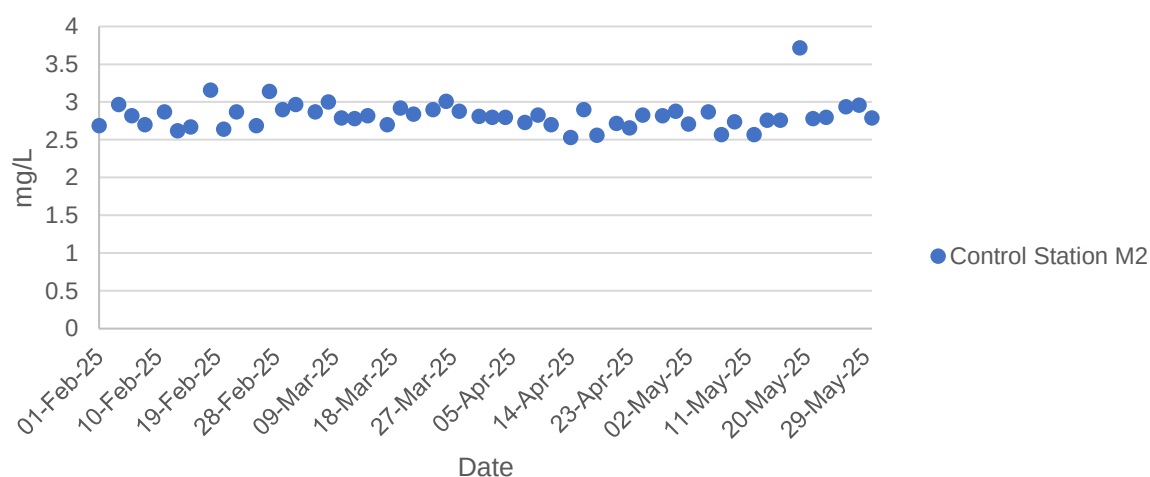
Dissolved Oxygen at Mid-Flood Tide



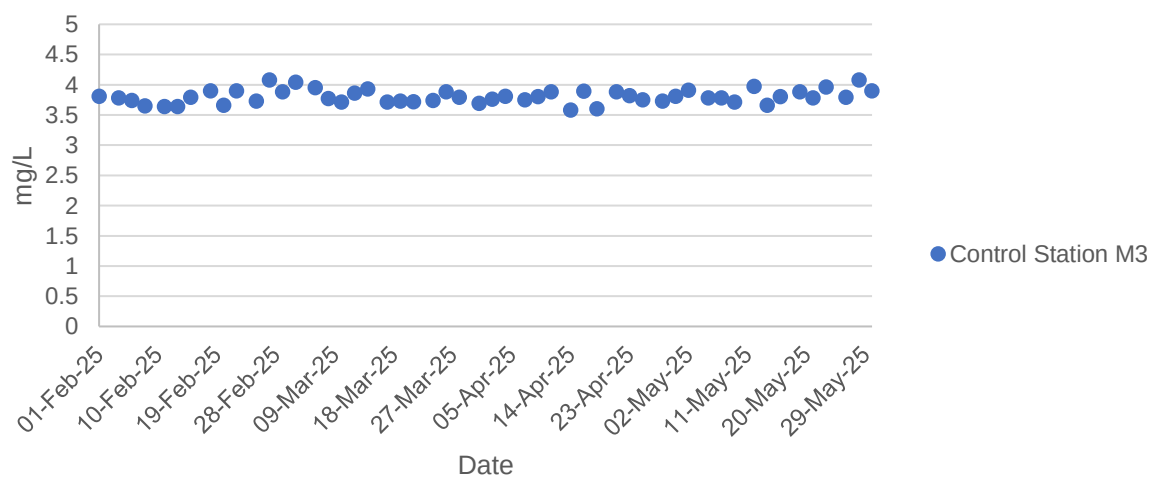
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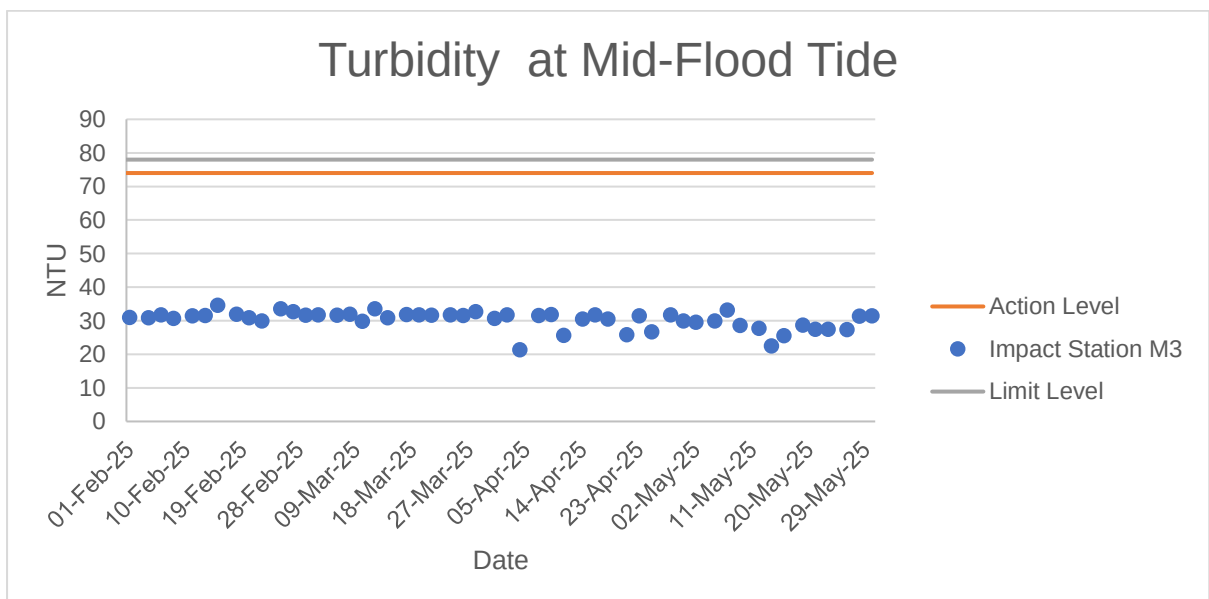
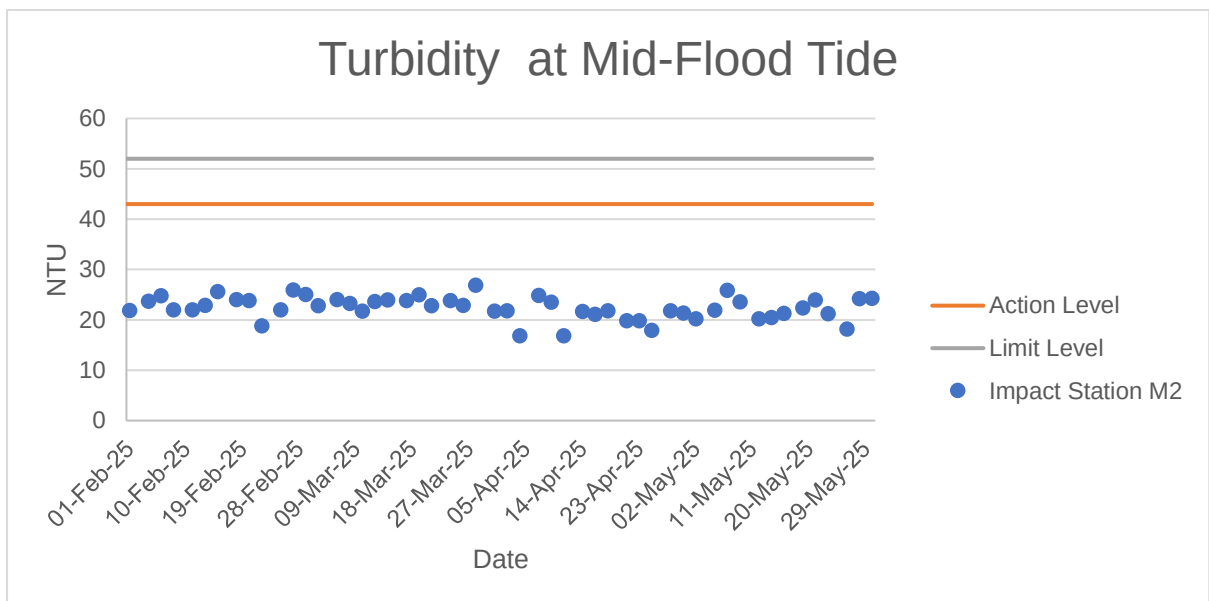
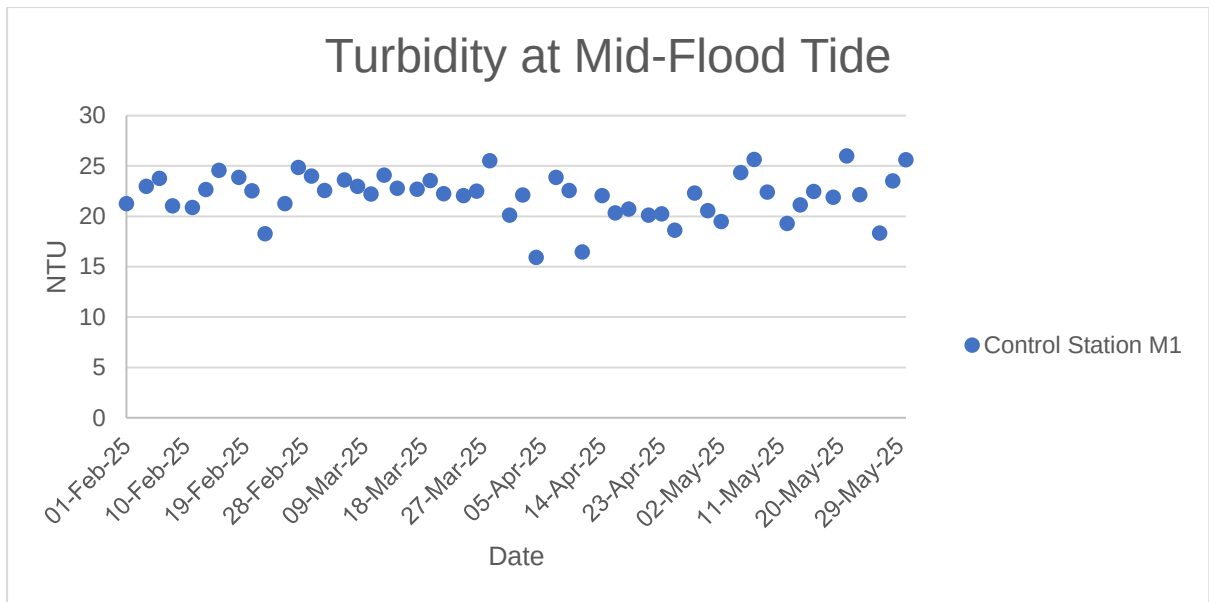


Dissolved Oxygen at Mid-Ebb Tide

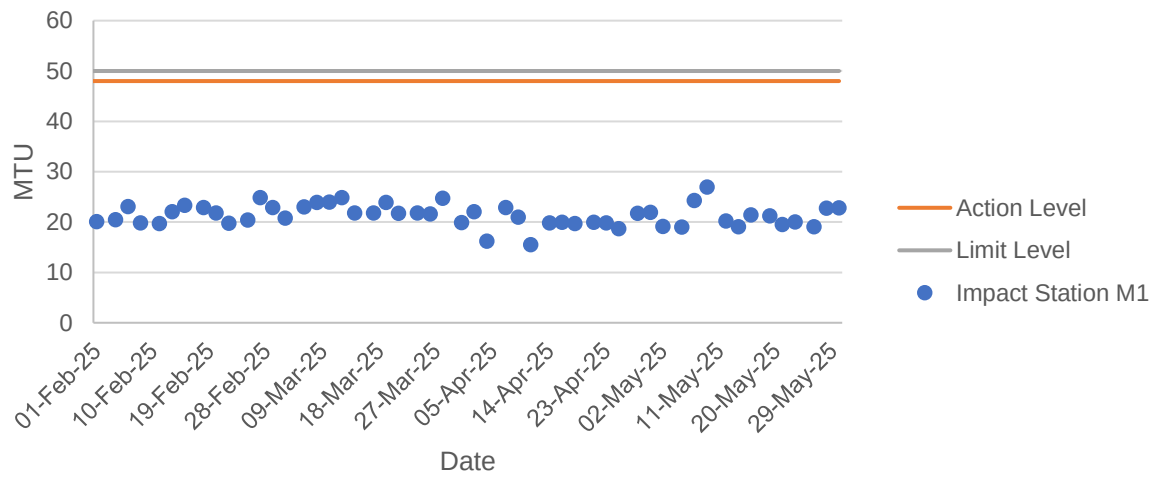


Dissolved Oxygen at Mid-Ebb Tide

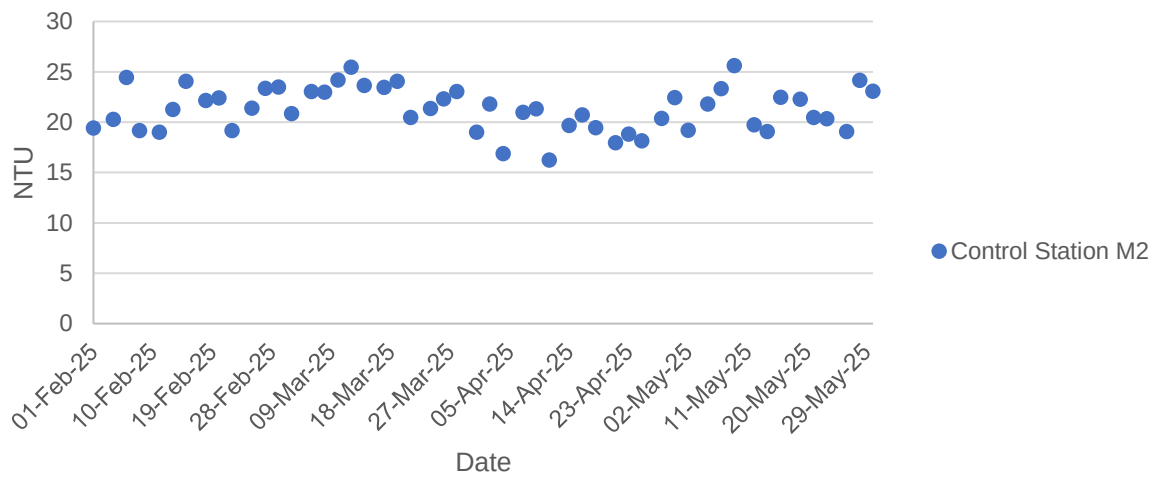




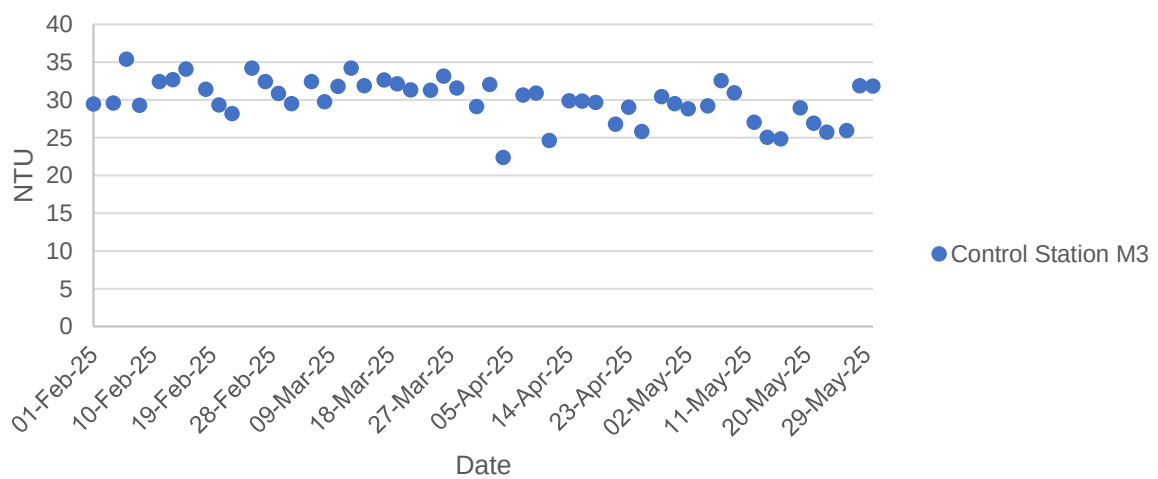
Turbidity at Mid-Ebb Tide



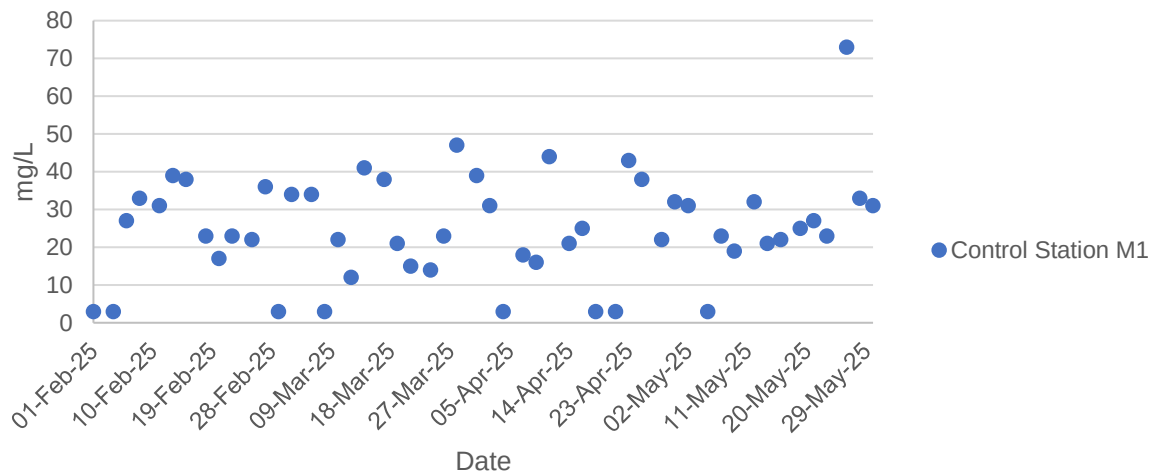
Turbidity at Mid-Ebb Tide



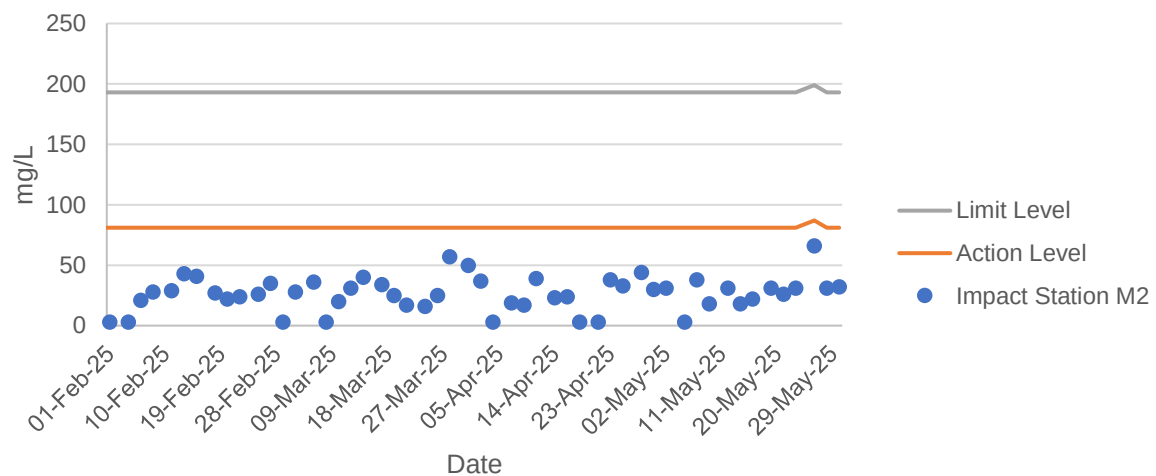
Turbidity at Mid-Ebb Tide



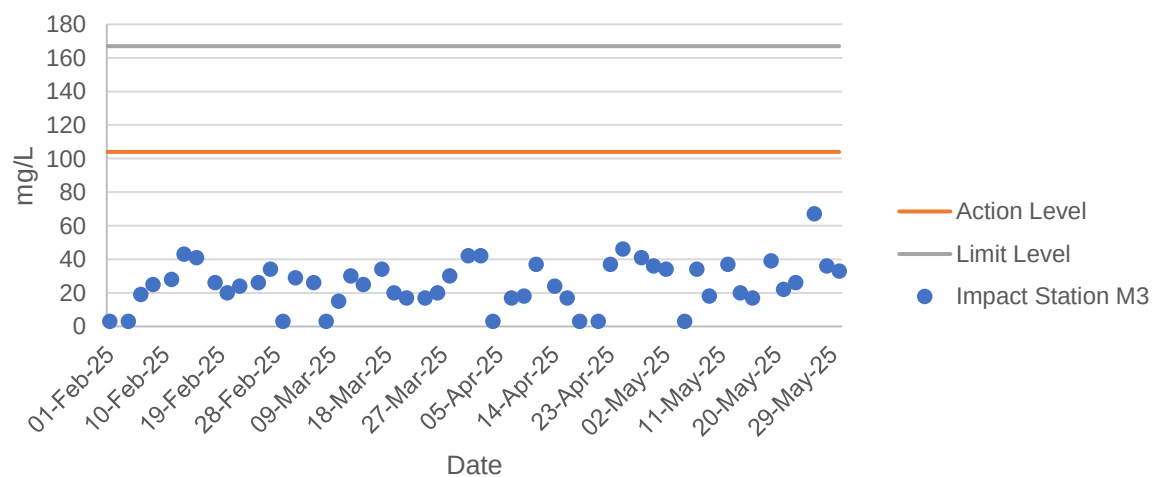
Total Suspended Solids at Mid-Flood Tide



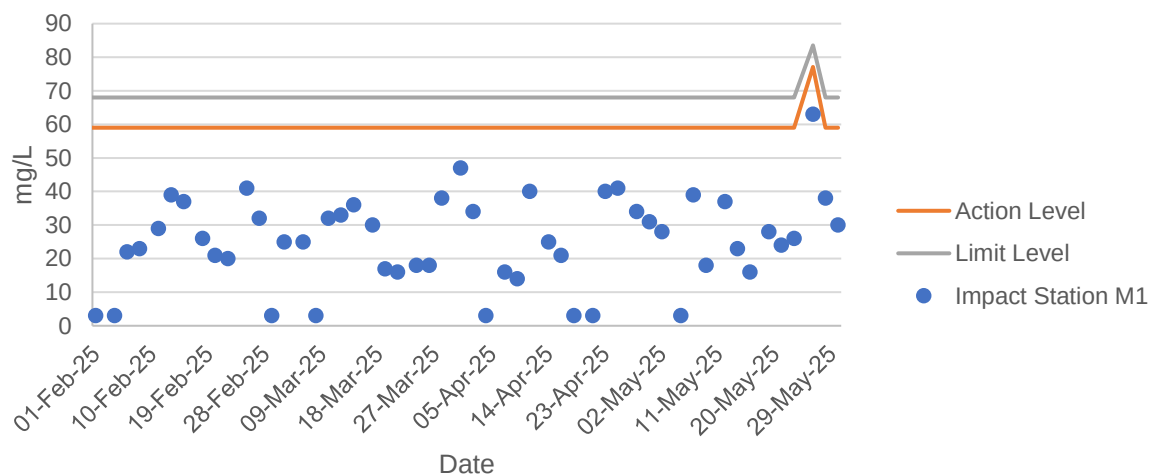
Total Suspended Solids at Mid-Flood Tide



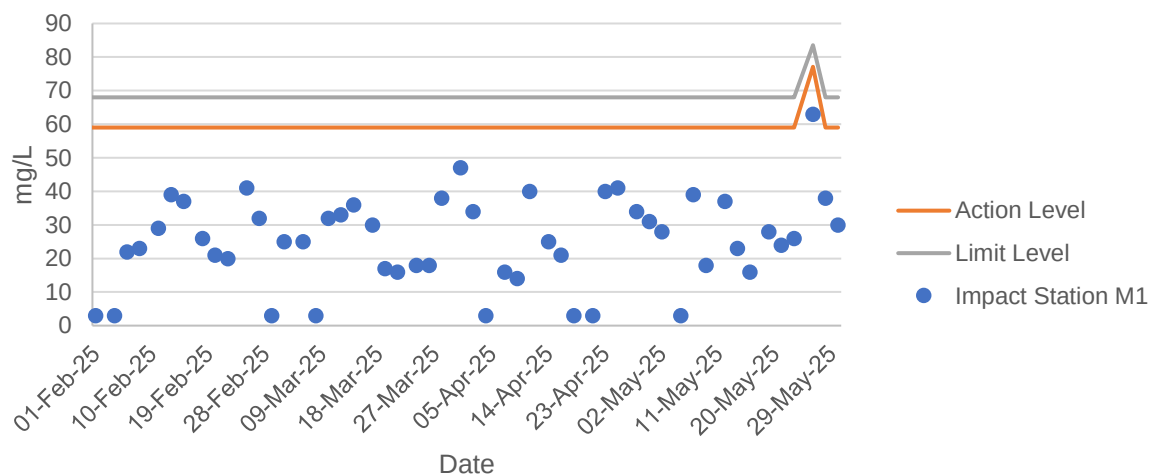
Total Suspended Solids at Mid-Flood Tide



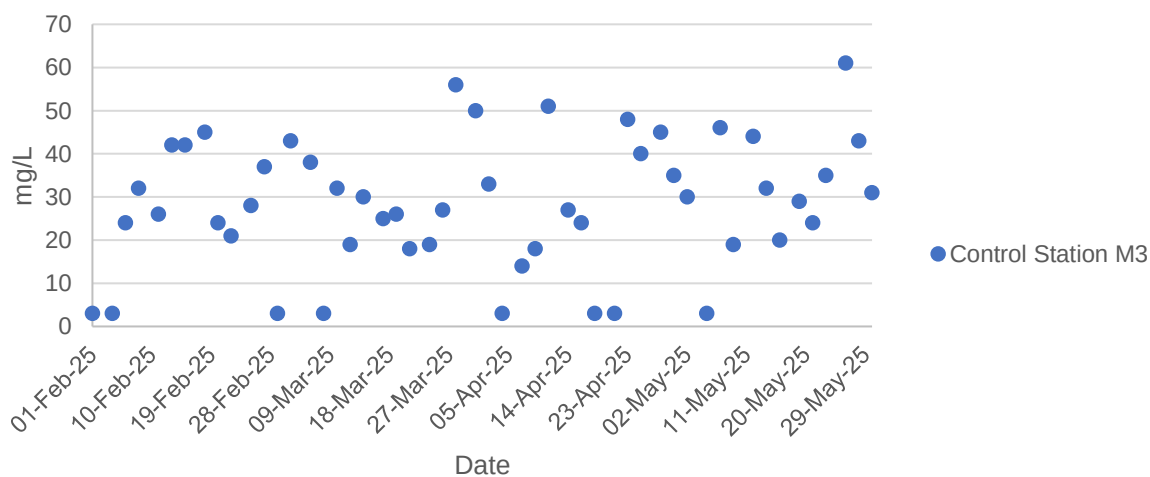
Total Suspended Solids at Mid-Ebb Tide



Total Suspended Solids at Mid-Ebb Tide



Total Suspended Solids at Mid-Ebb Tide



Ecology Monitoring Results for

Contract No. SPW 02/2023

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

Appendix F.1 Ecological Bird Monitoring Result (19 May 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
19/05/2025	Daytime	Wet	FLW	Point Count	FLW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	13	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	FLW	Point Count	FLW1	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW1	Crested Myna	<i>Acridotheres cristatellus</i>	6	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW1	Common Myna	<i>Acridotheres tristis</i>	3	Uncommon	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW1	Black-collared Starling	<i>Gracupica nigricollis</i>	8	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW2	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW2	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW3	Little Grebe	<i>Tachybaptus ruficollis</i>	1	Common	R	LC	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	FLW	Point Count	FLW3	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	FLW	Point Count	FLW3	Barn Swallow	<i>Hirundo rustica</i>	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW3	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW4	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	FLW	Point Count	FLW4	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	FLW	Point Count	FLW4	Pied Kingfisher	<i>Ceryle rudis</i>	1	Uncommon	R	-	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	FLW	Point Count	FLW4	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW4	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	2	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW4	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW4	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW4	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW5	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	FLW	Point Count	FLW5	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	FLW	Point Count	FLW5	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
19/05/2025	Daytime	Wet	FLW	Point Count	FLW5	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW5	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (19 May 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
19/05/2025	Daytime	Wet	FLW	Point Count	FLW5	Indian Cuckoo	<i>Cuculus micropterus</i>	1	Uncommon	SV	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW5	Collared Crow	<i>Corvus torquatus</i>	1	Uncommon	R	LC	-	-	NT	VU	Y	Y
19/05/2025	Daytime	Wet	FLW	Point Count	FLW5	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW5	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW5	Barn Swallow	<i>Hirundo rustica</i>	3	Abundant	PM,SV	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW5	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW5	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW5	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW5	Oriental Magpie Robin	<i>Copsychus sauraris</i>	2	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW5	Eurasian Tree Sparrow	<i>Passer montanus</i>	6	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW5	Scaly-breasted Munia	<i>Lonchura punctulata</i>	2	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW6	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	FLW	Point Count	FLW6	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	FLW	Point Count	FLW6	Pied Avocet	<i>Recurvirostra avosetta</i>	18	Abundant	WV	RC	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	FLW	Point Count	FLW6	Common Greenshank	<i>Tringa nebularia</i>	3	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	FLW	Point Count	FLW6	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW6	Black-collared Starling	<i>Gracupica nigricollis</i>	2	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW7	Chinese Pond Heron	<i>Ardeola bacchus</i>	12	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	FLW	Point Count	FLW7	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	3	Common	-	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW7	Spotted Dove	<i>Spilopelia chinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW7	Azure-winged Magpie	<i>Cyanopica cyanus</i>	10	Introduced	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW7	Crested Myna	<i>Acridotheres cristatellus</i>	2	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Point Count	FLW7	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	NSW1	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (19 May 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
19/05/2025	Daytime	Wet	NSW	Point Count	NSW1	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
19/05/2025	Daytime	Wet	NSW	Point Count	NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	8	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	NSW1	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
19/05/2025	Daytime	Wet	NSW	Point Count	NSW1	Large Hawk- Cuckoo	<i>Hierococcyx sparveriioides</i>	1	Common	PM,SV	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	NSW1	Azure-winged Magpie	<i>Cyanopica cyanus</i>	2	Introduced	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	NSW1	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	NSW1	Swinhoe's White- eye	<i>Zosterops simplex</i>	3	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	NSW1	White-shouldered Starling	<i>Sturnia sinensis</i>	2	Common	M,W,Su	(LC)	-	-	-	LC	Y	N
19/05/2025	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Tree Sparrow	<i>Passer montanus</i>	8	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	NSW1	White Wagtail	<i>Motacilla alba</i>	4	Common	PM,WV	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Moorhen	<i>Gallinula chloropus</i>	2	Common	R	-	-	-	LC	LC	N	Y
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Large Hawk- Cuckoo	<i>Hierococcyx sparveriioides</i>	1	Common	PM,SV	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Bulbul	<i>Pycnonotus sinensis</i>	5	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Swinhoe's White- eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y

Appendix F.1 Ecological Bird Monitoring Result (19 May 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
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Swinhoe's White-eye	<i>Zosterops simplex</i>	3	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Crested Myna	<i>Acridotheres cristatellus</i>	5	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Pied Avocet	<i>Recurvirostra avosetta</i>	16	Abundant	WV	RC	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Azure-winged Magpie	<i>Cyanopica cyanus</i>	1	Introduced	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Barn Swallow	<i>Hirundo rustica</i>	3	Abundant	PM,SV	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Crested Myna	<i>Acridotheres cristatellus</i>	3	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Little Grebe	<i>Tachybaptus ruficollis</i>	2	Common	R	LC	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Black Kite	<i>Milvus migrans</i>	2	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Spotted Dove	<i>Spilopelia chinensis</i>	7	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Large Hawk-Cuckoo	<i>Hierococcyx sparveriioides</i>	1	Common	PM,SV	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Transect	FLW	House Swift	<i>Apus nipalensis</i>	3	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N

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Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong ²	Principal Status ³	Level of Concern ⁴	Protection Status in China ⁵	China Red Data Book ⁶	Red List of China's Vertebrates ⁹	IUCN Red List ⁷ (v.2020-3)	Species of Conservation Importance	Wetland Dependent ⁸
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	3	Introduced	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	6	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Barn Swallow	<i>Hirundo rustica</i>	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Common Myna	<i>Acridotheres tristis</i>	2	Uncommon	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Transect	FLW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	FLW	Transect	FLW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Transect	NSW	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	NSW	Transect	NSW	Little Egret	<i>Egretta garzetta</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	NSW	Transect	NSW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	2	Introduced	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Transect	NSW	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Transect	NSW	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Transect	NSW	Black-collared Starling	<i>Gracupica nigricollis</i>	3	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Transect	NSW	Oriental Magpie Robin	<i>Copsychus saularis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	NSW	Transect	NSW	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Chinese Pond Heron	<i>Ardeola bacchus</i>	7	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (19 May 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
19/05/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Little Egret	<i>Egretta garzetta</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
19/05/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
19/05/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Common Moorhen	<i>Gallinula chloropus</i>	8	Common	R	-	-	-	LC	LC	N	Y
19/05/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Large Hawk- Cuckoo	<i>Hierococcyx sparverioides</i>	1	Common	PM,SV	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	6	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Barn Swallow	<i>Hirundo rustica</i>	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Swinhoe's White- eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
19/05/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	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 (19 May 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Tachybaptus ruficollis</i>	1	0.0036	-5.6131	-0.0205	0.1150
<i>Ardeola bacchus</i>	34	0.1241	-2.0868	-0.2589	0.5404
<i>Ardea cinerea</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Ardea alba</i>	5	0.0182	-4.0037	-0.0731	0.2925
<i>Egretta garzetta</i>	7	0.0255	-3.6672	-0.0937	0.3436
<i>Amaurornis phoenicurus</i>	4	0.0146	-4.2268	-0.0617	0.2608
<i>Gallinula chloropus</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Recurvirostra avosetta</i>	34	0.1241	-2.0868	-0.2589	0.5404
<i>Tringa nebularia</i>	3	0.0109	-4.5145	-0.0494	0.2231
<i>Streptopelia decaocto</i>	5	0.0182	-4.0037	-0.0731	0.2925
<i>Spilopelia chinensis</i>	18	0.0657	-2.7228	-0.1789	0.4870
<i>Centropus sinensis</i>	1	0.0036	-5.6131	-0.0205	0.1150
<i>Hierococcyx sparveroides</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Cuculus micropterus</i>	1	0.0036	-5.6131	-0.0205	0.1150
<i>Ceryle rudis</i>	1	0.0036	-5.6131	-0.0205	0.1150
<i>Cyanopica cyanus</i>	13	0.0474	-3.0482	-0.1446	0.4408
<i>Corvus torquatus</i>	1	0.0036	-5.6131	-0.0205	0.1150
<i>Parus minor</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Pycnonotus jocosus</i>	11	0.0401	-3.2152	-0.1291	0.4150
<i>Pycnonotus sinensis</i>	14	0.0511	-2.9741	-0.1520	0.4519
<i>Hirundo rustica</i>	8	0.0292	-3.5337	-0.1032	0.3646
<i>Prinia flaviventris</i>	4	0.0146	-4.2268	-0.0617	0.2608
<i>Prinia inornata</i>	3	0.0109	-4.5145	-0.0494	0.2231
<i>Orthotomus sutorius</i>	1	0.0036	-5.6131	-0.0205	0.1150
<i>Pterorhinus perspicillatus</i>	4	0.0146	-4.2268	-0.0617	0.2608
<i>Zosterops simplex</i>	8	0.0292	-3.5337	-0.1032	0.3646
<i>Acridotheres cristatellus</i>	24	0.0876	-2.4351	-0.2133	0.5194
<i>Acridotheres tristis</i>	3	0.0109	-4.5145	-0.0494	0.2231
<i>Gracupica nigricollis</i>	28	0.1022	-2.2809	-0.2331	0.5317
<i>Sturnia sinensis</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Copsychus saularis</i>	3	0.0109	-4.5145	-0.0494	0.2231
<i>Passer montanus</i>	14	0.0511	-2.9741	-0.1520	0.4519
<i>Lonchura punctulata</i>	2	0.0073	-4.9200	-0.0359	0.1767
<i>Motacilla alba</i>	9	0.0328	-3.4159	-0.1122	0.3833
Total	274	1	-139.9189	-3.0003	9.8446
Richness	34				
SS	9.8446				
SQ	9.0020				
H	3.0003				
S ² H	0.0033				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (19 May 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Tachybaptus ruficollis</i>	1	0.0110	-4.5109	-0.0496	0.2236
<i>Ardeola bacchus</i>	34	0.3736	-0.9845	-0.3678	0.3621
<i>Ardea cinerea</i>	2	0.0220	-3.8177	-0.0839	0.3203
<i>Ardea alba</i>	5	0.0549	-2.9014	-0.1594	0.4625
<i>Egretta garzetta</i>	7	0.0769	-2.5649	-0.1973	0.5061
<i>Recurvirostra avosetta</i>	34	0.3736	-0.9845	-0.3678	0.3621
<i>Tringa nebularia</i>	3	0.0330	-3.4122	-0.1125	0.3838
<i>Centropus sinensis</i>	1	0.0110	-4.5109	-0.0496	0.2236
<i>Ceryle rudis</i>	1	0.0110	-4.5109	-0.0496	0.2236
<i>Corvus torquatus</i>	1	0.0110	-4.5109	-0.0496	0.2236
<i>Sturnia sinensis</i>	2	0.0220	-3.8177	-0.0839	0.3203
Total	91	1	-36.5265	-1.5710	3.6118
Richness	11				
SS	3.6118				
SQ	2.4680				
H	1.5710				
S ² H	0.01317				

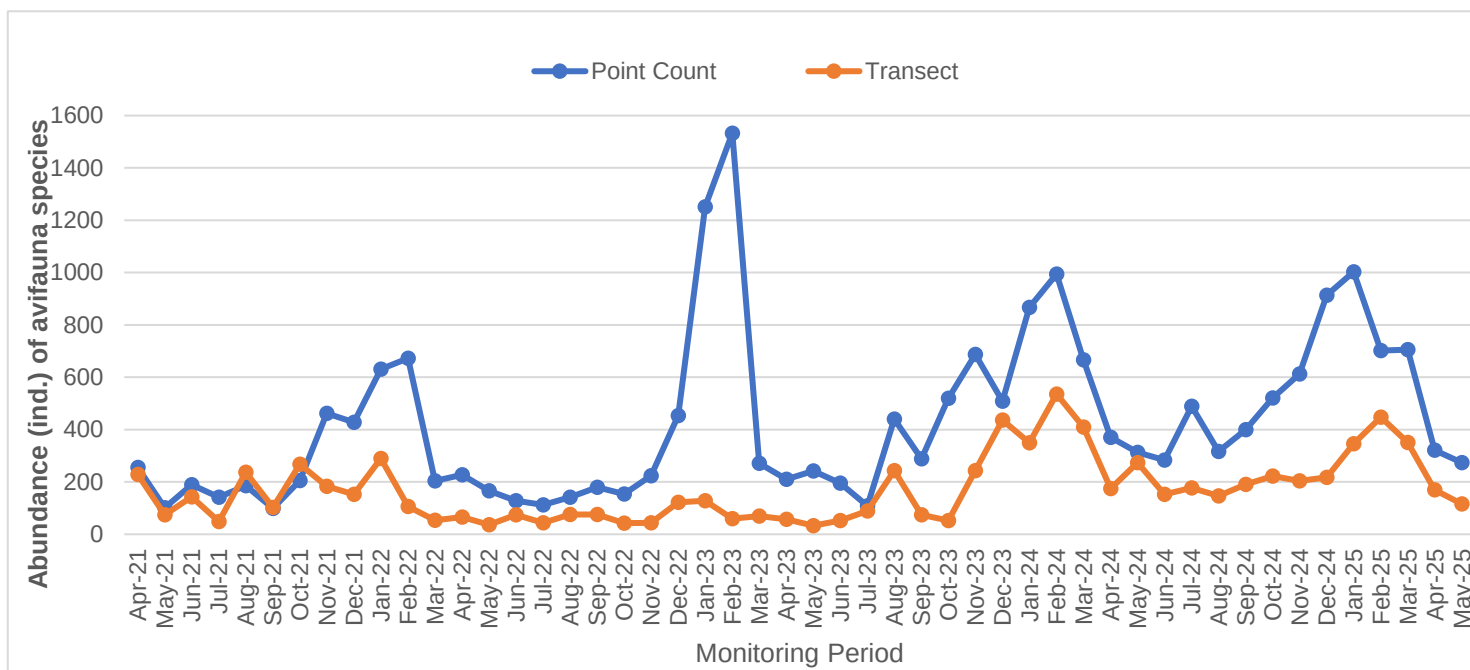
Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method)
in All Habitats (19 May 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Tachybaptus ruficollis</i>	2	0.0172	-4.0604	-0.0700	0.2843
<i>Ardeola bacchus</i>	11	0.0948	-2.3557	-0.2234	0.5262
<i>Ardea cinerea</i>	1	0.0086	-4.7536	-0.0410	0.1948
<i>Ardea alba</i>	2	0.0172	-4.0604	-0.0700	0.2843
<i>Egretta garzetta</i>	8	0.0690	-2.6741	-0.1844	0.4932
<i>Milvus migrans</i>	3	0.0259	-3.6550	-0.0945	0.3455
<i>Amaurornis phoenicurus</i>	2	0.0172	-4.0604	-0.0700	0.2843
<i>Gallinula chloropus</i>	8	0.0690	-2.6741	-0.1844	0.4932
<i>Spilopelia chinensis</i>	7	0.0603	-2.8077	-0.1694	0.4757
<i>Hierococcyx sparveroides</i>	2	0.0172	-4.0604	-0.0700	0.2843
<i>Apus nipalensis</i>	3	0.0259	-3.6550	-0.0945	0.3455
<i>Lanius schach</i>	1	0.0086	-4.7536	-0.0410	0.1948
<i>Cyanopica cyanus</i>	5	0.0431	-3.1442	-0.1355	0.4261
<i>Pycnonotus jocosus</i>	3	0.0259	-3.6550	-0.0945	0.3455
<i>Pycnonotus sinensis</i>	12	0.1034	-2.2687	-0.2347	0.5324
<i>Hirundo rustica</i>	4	0.0345	-3.3673	-0.1161	0.3910
<i>Prinia flaviventris</i>	2	0.0172	-4.0604	-0.0700	0.2843
<i>Prinia inornata</i>	5	0.0431	-3.1442	-0.1355	0.4261
<i>Orthotomus sutorius</i>	1	0.0086	-4.7536	-0.0410	0.1948
<i>Pterorhinus perspicillatus</i>	6	0.0517	-2.9618	-0.1532	0.4537
<i>Zosterops simplex</i>	2	0.0172	-4.0604	-0.0700	0.2843
<i>Acridotheres cristatellus</i>	4	0.0345	-3.3673	-0.1161	0.3910
<i>Acridotheres tristis</i>	2	0.0172	-4.0604	-0.0700	0.2843
<i>Gracupica nigricollis</i>	13	0.1121	-2.1886	-0.2453	0.5368
<i>Copsychus saularis</i>	4	0.0345	-3.3673	-0.1161	0.3910
<i>Motacilla alba</i>	3	0.0259	-3.6550	-0.0945	0.3455
Total	116	1	-91.6248	-3.0053	9.4927
Richness	26				
SS	9.4927				
SQ	9.0319				
H	3.0053				
S ² H	0.004901				

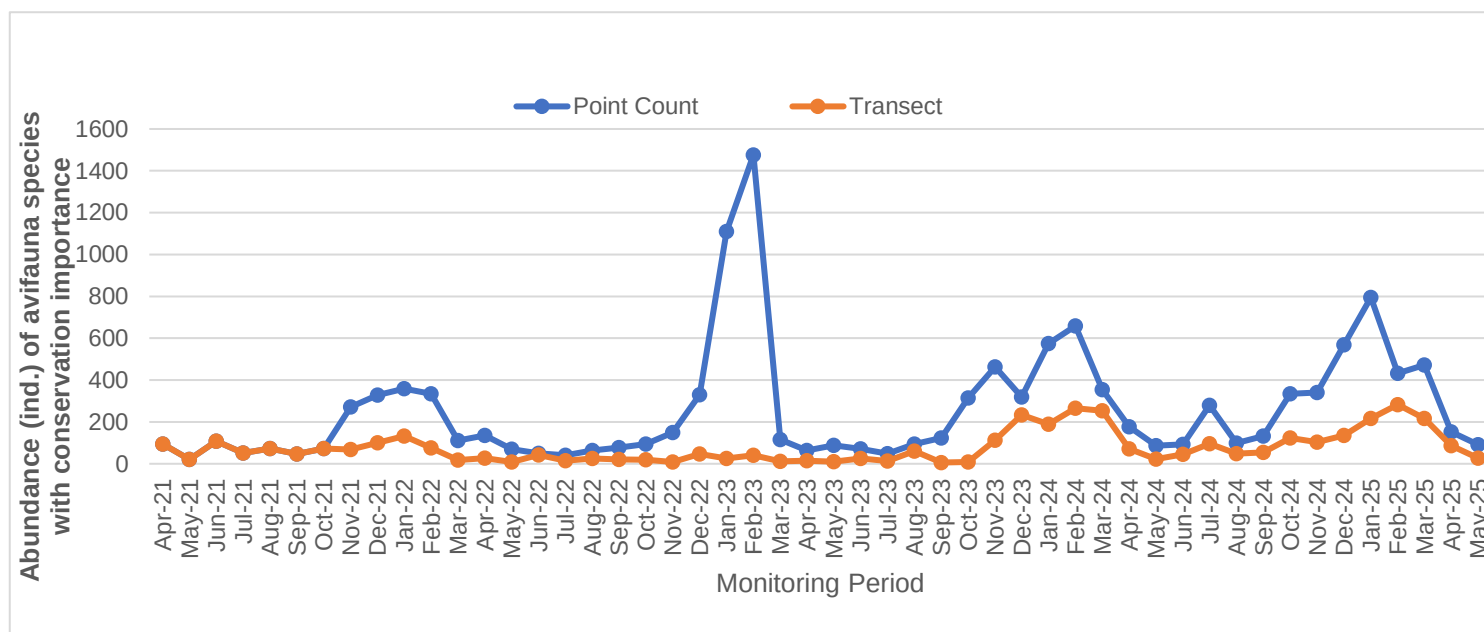
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (19 May 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Tachybaptus ruficollis</i>	2	0.0741	-2.6027	-0.1928	0.5018
<i>Ardeola bacchus</i>	11	0.4074	-0.8979	-0.3658	0.3285
<i>Ardea cinerea</i>	1	0.0370	-3.2958	-0.1221	0.4023
<i>Ardea alba</i>	2	0.0741	-2.6027	-0.1928	0.5018
<i>Egretta garzetta</i>	8	0.2963	-1.2164	-0.3604	0.4384
<i>Milvus migrans</i>	3	0.1111	-2.1972	-0.2441	0.5364
Total	27	1	-12.8128	-1.4780	2.7092
Richness	6				
SS	2.7092				
SQ	2.1846				
H	1.4780				
S ² H	0.02286				

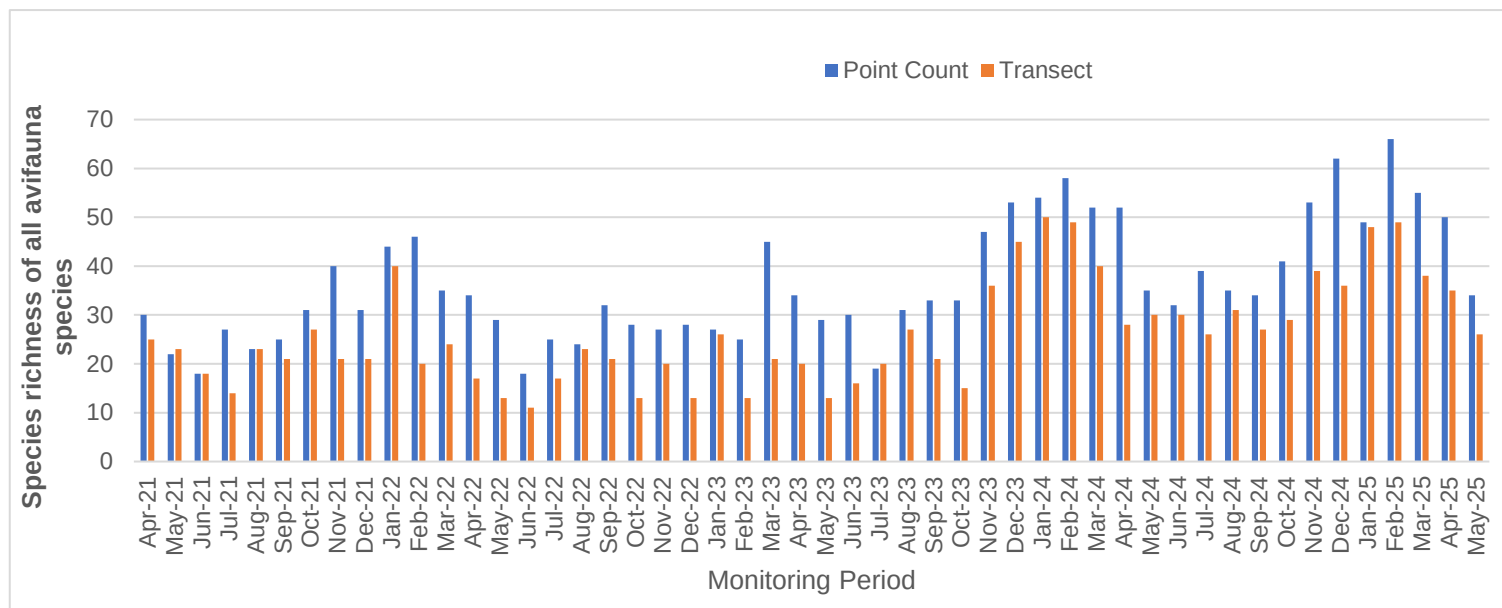
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



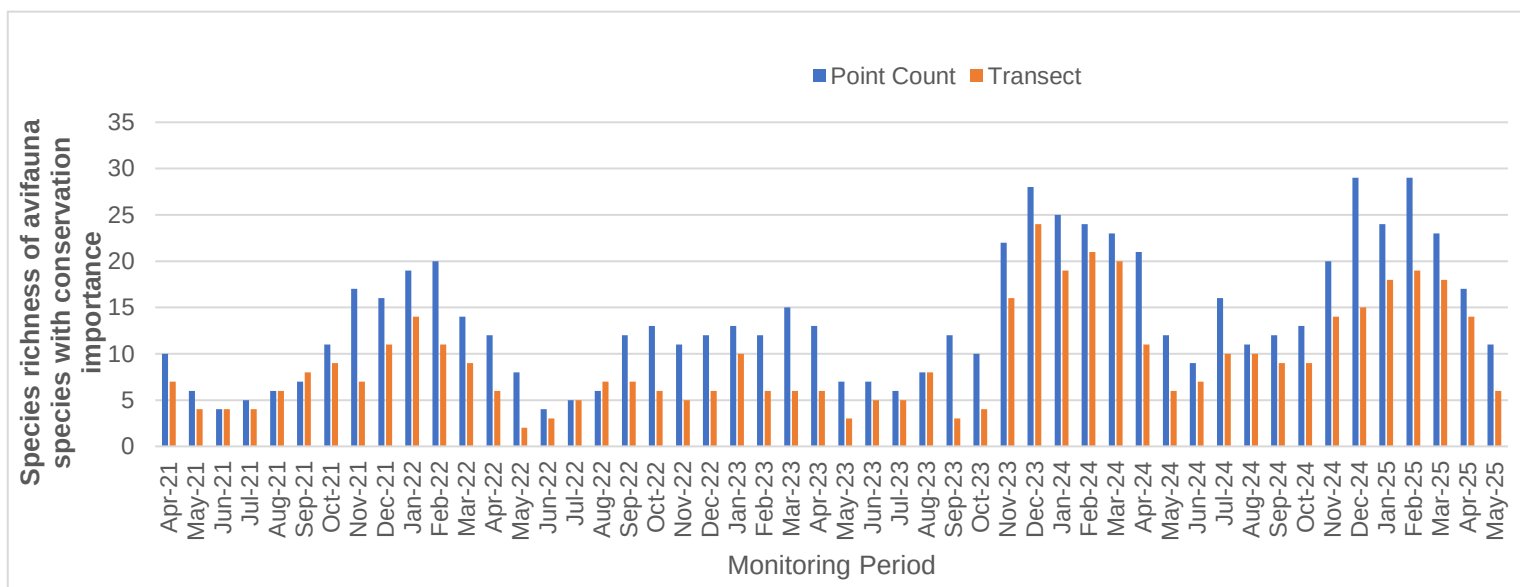
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



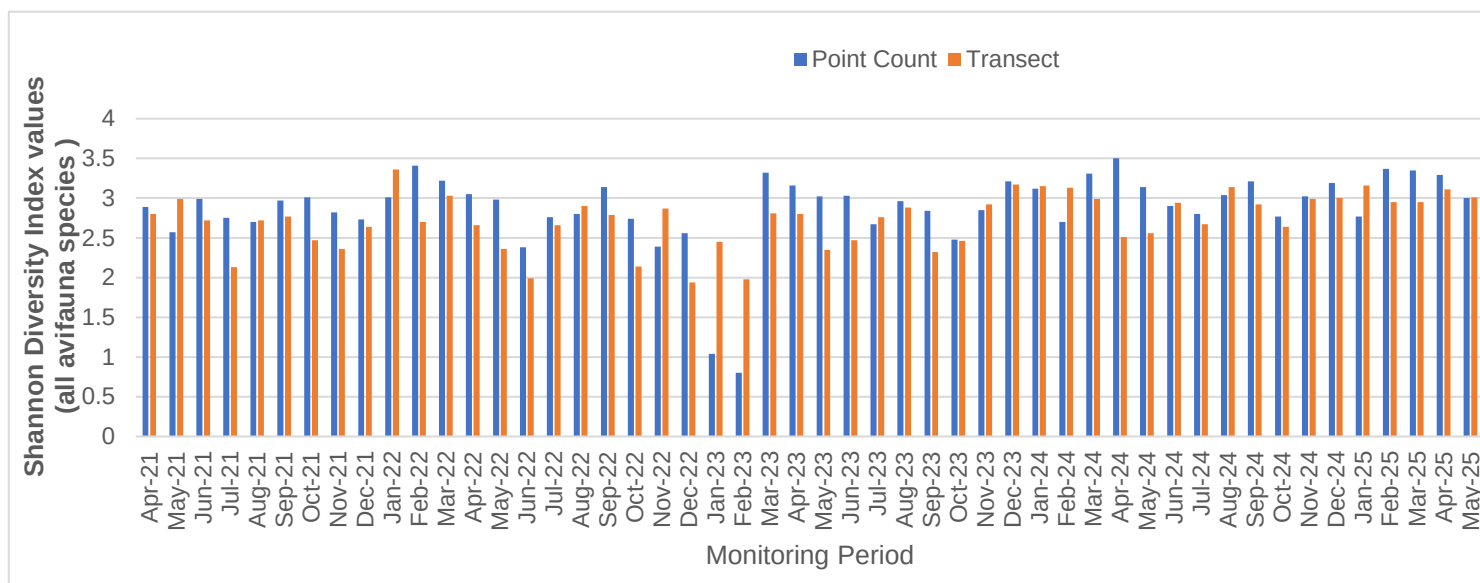
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



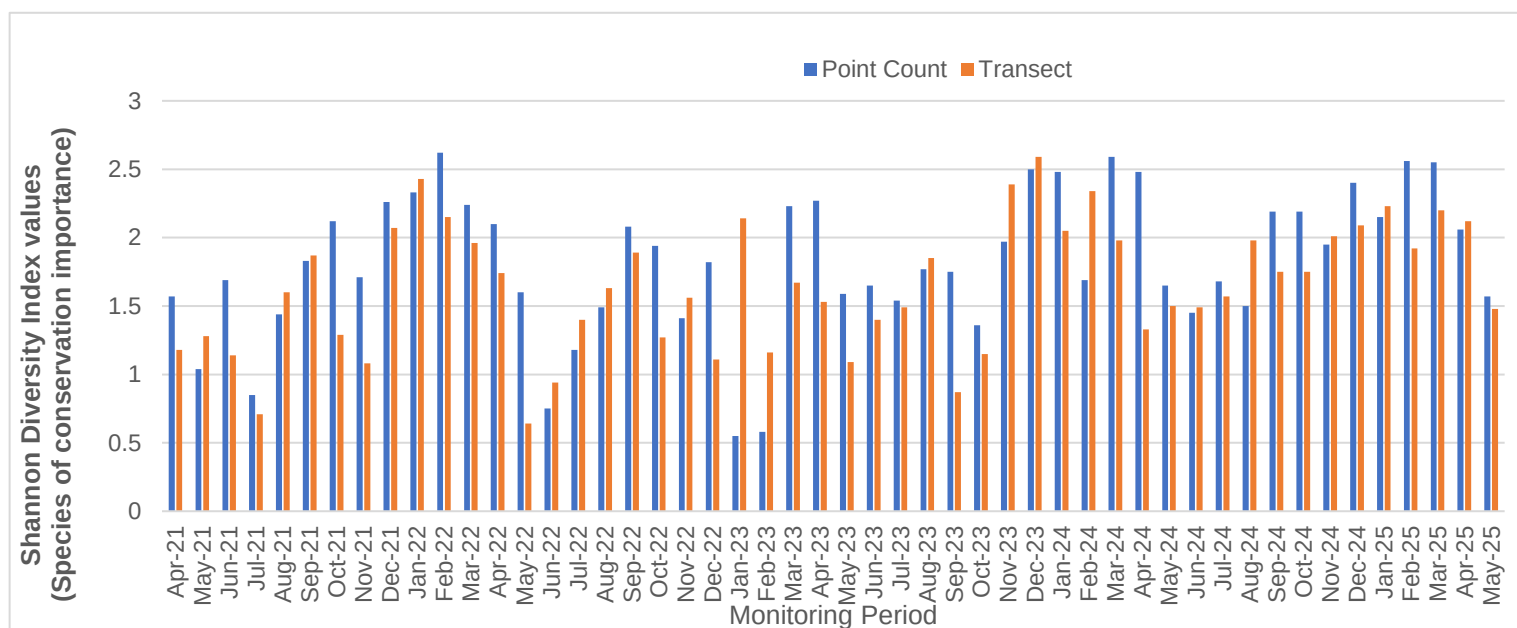
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



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	May 2017	May 2025
Total	190	274
Richness	31	34
H	3.1340	3.0003
S ² H	0.002979	0.003295
t	1.6872	
df	455.9456	
Crit	1.9652	
p	9.23E-02	
CI	0.1092	0.1148

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

Months	May 2017	May 2025
Total	2	116
Richness	1	26
H	0.0000	3.0053
S ² H	0.00000	0.004901
t	42.9283	
df	116.0000	
Crit	1.9808	
p	1.25E-72	
CI	0.0000	0.1400

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

Months	May 2017	May 2025
Total	71	91
Richness	7	11
H	1.7237	1.5710
S ² H	0.004952	0.013173
t	1.1347	
df	145.8548	
Crit	1.9765	
p	2.58E-01	
CI	0.1407	0.2296

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

Months	May 2017	May 2025
Total	2	27
Richness	1	6
H	0.0000	1.4780
S ² H	0.00000	0.02286
t	9.7757	
df	27.0000	
Crit	2.0518	
p	2.30E-10	
CI	0.0000	0.3024