

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		
3/4/2025	Fine	8:11	40	43	41	291	500
9/4/2025	Fine	8:34	39	40	40		
14/4/2025	Fine	8:09	33	39	36		
17/4/2025	Fine	8:11	39	44	38		
23/4/2025	Fine	8:29	35	45	40		
29/4/2025	Fine	9:00	36	43	40		
		Min	38				
		Max	45				
		Average	39				

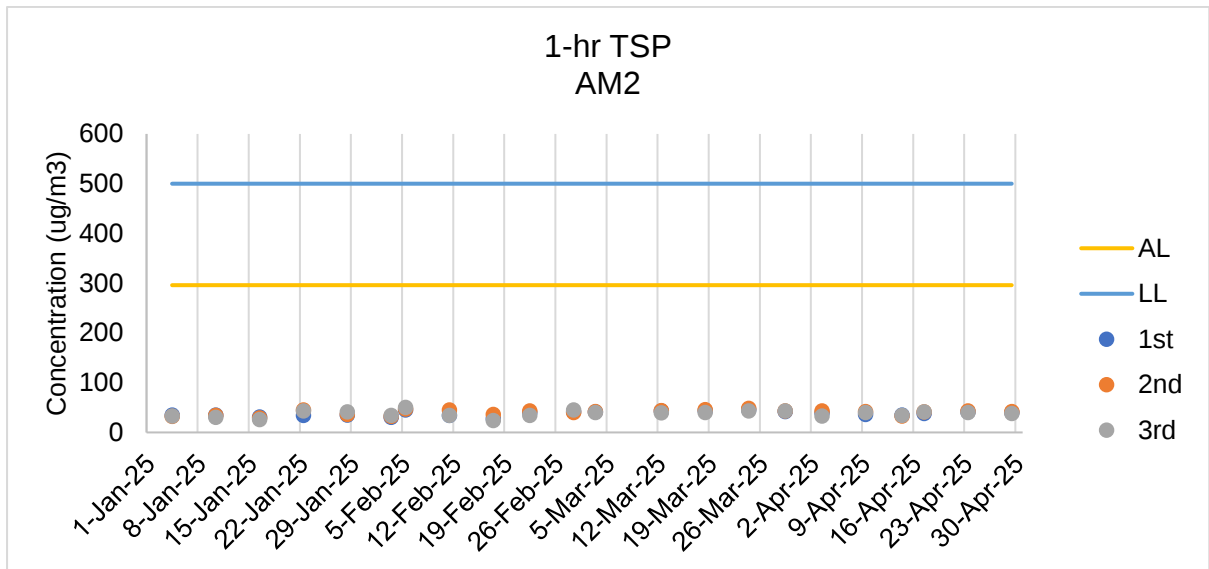
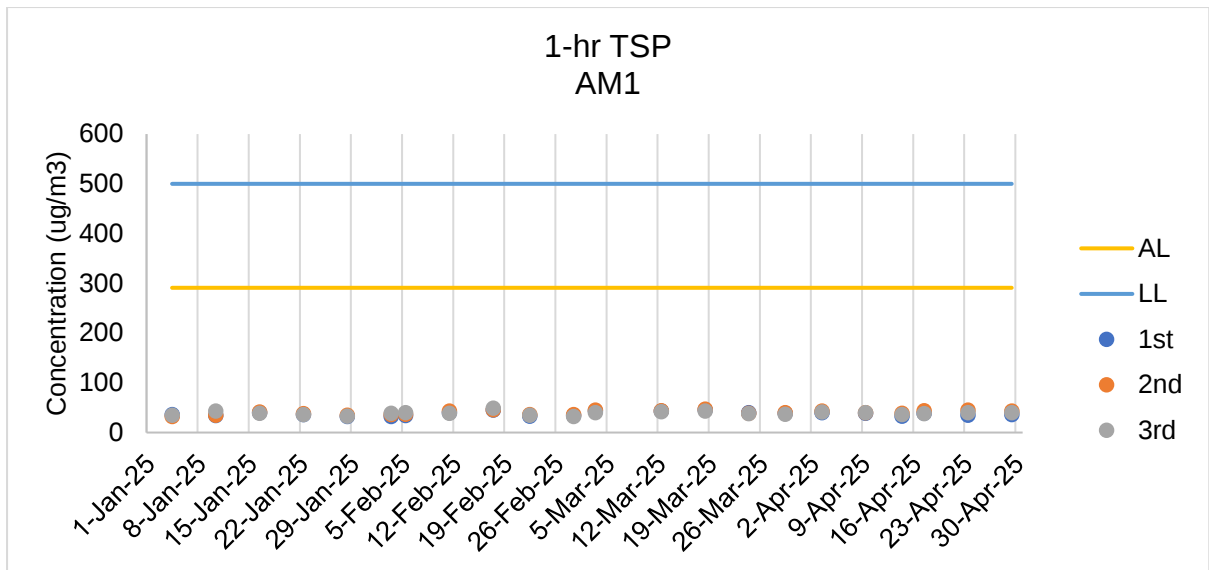
AM2 - Squatter house at the west of Yuen Long STW

			1-hour TSP (µg/m³)			Action Level (ug/m³)	Limit Level (ug/m³)
Date	Weather Condition	Start Time	1st Measurement	2nd Measurement	3rd Measurement		
3/4/2025	Fine	13:01	39	43	33	296	500
9/4/2025	Fine	13:23	36	42	40		
14/4/2025	Fine	14:01	35	33	34		
17/4/2025	Fine	14:09	38	41	41		
23/4/2025	Fine	13:44	41	43	40		
29/4/2025	Fine	13:09	40	42	38		
		Min	33				
		Max	43				
		Average	39				

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)
3/4/2025	10:23	57.5	59.5	56.5	0.1	sunny	75
9/4/2025	10:39	58.3	60.2	57.5	0.1	sunny	75
14/4/2025	11:22	59.6	61.8	58.6	0.1	sunny	75
23/4/2025	11:07	57.6	60.2	56.4	0.1	sunny	75
29/4/2025	10:25	59.4	62.8	57.7	1.1	sunny	75
	Max	59.6					
	Min	57.5					

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)
3/4/2025	13:01	58.5	60.8	56.5	0.0	sunny	75
9/4/2025	13:23	57.5	59.7	56.5	0.0	sunny	75
14/4/2025	14:01	58.7	60.5	57.4	1.7	sunny	75
23/4/2025	13:44	58.8	61.5	57.1	0.2	sunny	75
29/4/2025	13:09	57.8	59.5	56.1	0.7	sunny	75
	Max	58.8					
	Min	57.5					

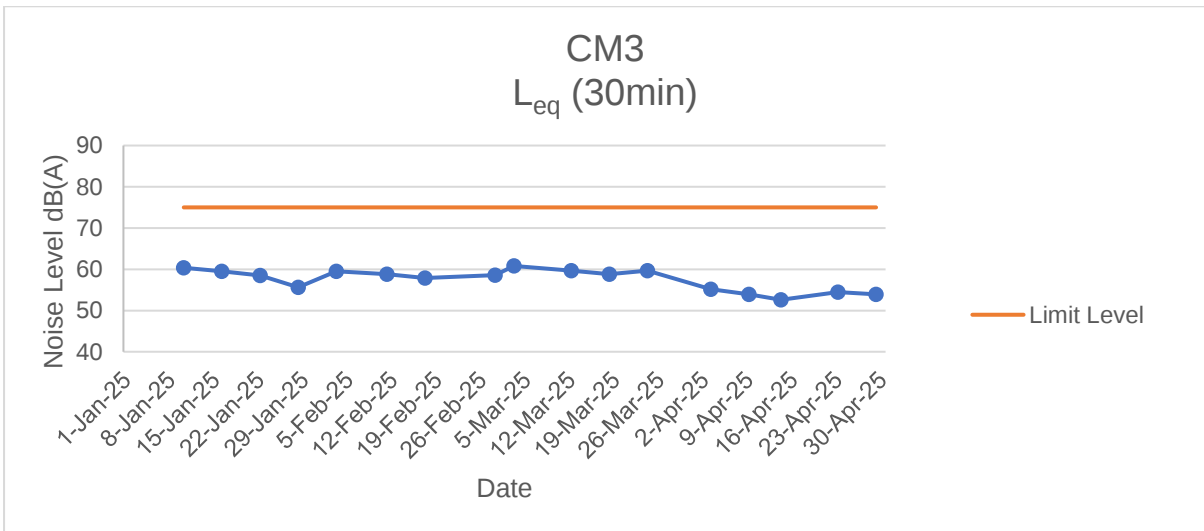
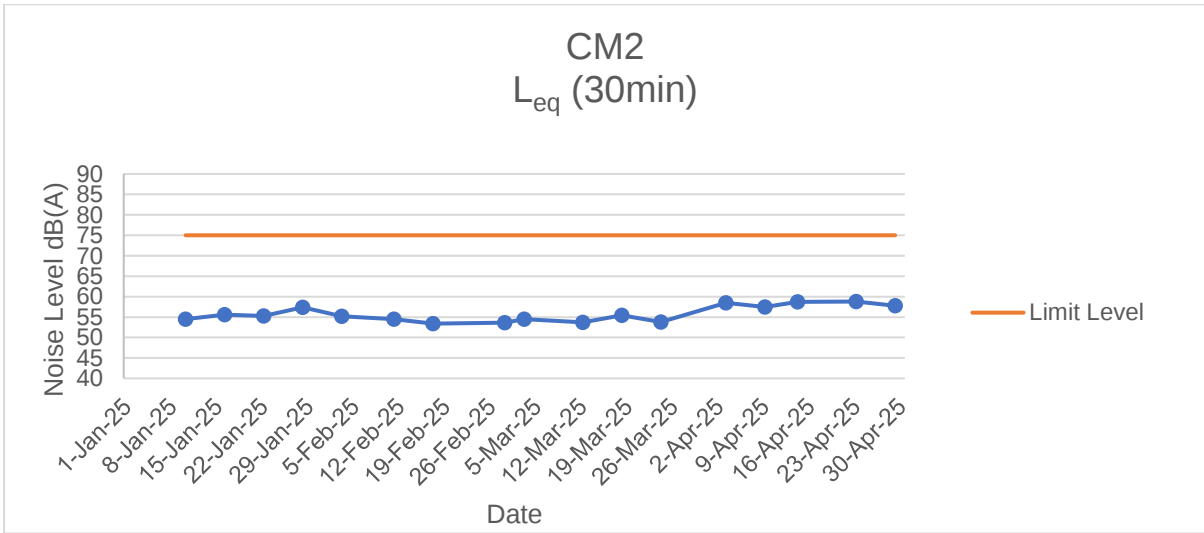
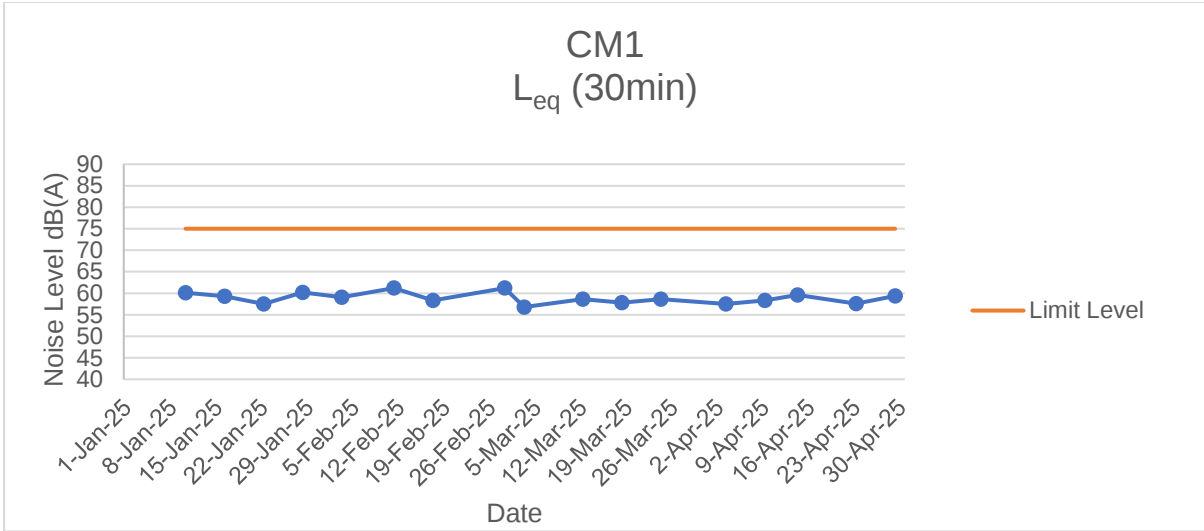
CM3 - Squatter house to the east of YLSTW

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
3/4/2025	11:50	55.2	58.2	52.8	0.0	sunny	75
9/4/2025	12:08	53.9	55.2	51.2	0.8	sunny	75
14/4/2025	12:48	52.6	54.6	50.6	0.1	sunny	75
23/4/2025	12:31	54.5	55.6	52.2	0.1	sunny	75
29/4/2025	11:52	53.9	55.9	51.2	0.6	sunny	75
	Max	55.2					
	Min	52.6					

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	2/4/2025	Mid-Flood	Sunny	Low	15:51	2.4	M	1.20	1	0.081	171.137	7.16	7.16	3.11	3.15	21.1	21.10	37.5	36.55	2.82	2.75	22.08	22.12	29	31
M1	2/4/2025	Mid-Flood	Sunny	Low	15:52	2.4	M	1.20	2			7.15		3.18		21.1		35.6		2.68		22.15		32	
M2	2/4/2025	Mid-Flood	Sunny	Low	16:23	2.1	M	1.05	1			7.18	7.19	3.28	3.25	21.1	21.10	37.9	37.50	2.85	2.82	21.85	21.84	38	37
M2	2/4/2025	Mid-Flood	Sunny	Low	16:23	2.1	M	1.05	2	0.076	161.549	7.19		3.21		21.1		37.1		2.79		21.82		36	
M3	2/4/2025	Mid-Flood	Sunny	Low	16:44	1.9	M	0.95	1			7.21		3.59	3.57	21.1	21.15	50.1	49.21	3.77	3.70	31.69	31.75	43	42
M3	2/4/2025	Mid-Flood	Sunny	Low	16:44	1.9	M	0.95	2	0.093	178.11	7.19		3.55		21.2		48.3		3.63		31.81		41	
M1	2/4/2025	Mid-Ebb	Sunny	Low	9:33	2.5	M	1.25	1	0.074	327.628	7.18	7.18	2.89	2.89	20.9	20.95	35.8	35.11	2.69	2.64	21.99	22.05	36	34
M1	2/4/2025	Mid-Ebb	Sunny	Low	9:33	2.5	M	1.25	2			7.18		2.89		21.0		34.4		2.59		22.1		32	
M2	2/4/2025	Mid-Ebb	Sunny	Low	9:01	2.3	M	1.15	1	0.064	323.992	7.19	7.20	2.65	2.61	20.9	20.90	37.9	37.24	2.85	2.80	21.85	21.81	40	40
M2	2/4/2025	Mid-Ebb	Sunny	Low	9:01	2.3	M	1.15	2			7.21		2.56		20.9		36.6		2.75		21.77		39	
M3	2/4/2025	Mid-Ebb	Sunny	Low	9:48	2	M	1.00	1	0.07	316.182	7.2	7.20	3.37	3.34	20.9	20.90	49.2	49.94	3.7	3.76	32.05	32.03	32	33
M3	2/4/2025	Mid-Ebb	Sunny	Low	9:48	2	M	1.00	2			7.2		3.3		20.9		50.7		3.81		32		33	

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	4/4/2025	Mid-Flood	Cloudy	Low	17:30	2.5	M	1.25	1	0.082	176.062	7.18	7.18	2.65	2.67	21.5	21.55	35.6	35.95	2.68	2.71	15.88	15.93	2.5	3
M1	4/4/2025	Mid-Flood	Cloudy	Low	17:31	2.5	M	1.25	2			7.18		2.68		21.6		36.3		2.73		15.98		3	
M2	4/4/2025	Mid-Flood	Cloudy	Low	17:58	2.2	M	1.10	1			7.19		2.75		21.5		36.6		2.75		16.77		3	
M2	4/4/2025	Mid-Flood	Cloudy	Low	17:58	2.2	M	1.10	2	0.086	188.993	7.21	7.20	2.71	2.73	21.6	21.55	35.4	36.00	2.66	2.71	16.98	16.88	2.5	3
M3	4/4/2025	Mid-Flood	Cloudy	Low	18:06	2	M	1.00	1			7.21		3.48		21.5		50.0		3.76		21.25		2.5	
M3	4/4/2025	Mid-Flood	Cloudy	Low	18:06	2	M	1.00	2			7.21		3.39		21.5		51.1		3.84		21.38		2.5	
M1	4/4/2025	Mid-Ebb	Cloudy	Low	10:26	2.5	M	1.25	1	0.08	300.821	7.16	7.17	2.69	2.67	21.5	21.50	35.8	36.30	2.69	2.73	16.12	16.18	2.5	3
M1	4/4/2025	Mid-Ebb	Cloudy	Low	10:26	2.5	M	1.25	2			7.17		2.64		21.5		36.8		2.77		16.23		2.5	
M2	4/4/2025	Mid-Ebb	Cloudy	Low	9:52	2.3	M	1.15	1			7.17		2.65		21.6		37.8		2.84		16.77		2.5	
M2	4/4/2025	Mid-Ebb	Cloudy	Low	9:52	2.3	M	1.15	2	0.065	325.088	7.18	7.18	2.74	2.70	21.7	21.65	36.6	37.20	2.75	2.80	16.98	16.88	2.5	3
M3	4/4/2025	Mid-Ebb	Cloudy	Low	10:45	2	M	1.00	1			7.21		3.30		21.6		50.4		3.79		22.25		2.5	
M3	4/4/2025	Mid-Ebb	Cloudy	Low	10:45	2	M	1.00	2			7.22		3.21		21.7		50.9		3.83		22.45		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	7/4/2025	Mid-Flood	Cloudy	Low	10:29	2.3	M	1.15	1	0.088	175.115	7.15	7.15	2.82	2.84	21.8	21.85	37.9	38.45	2.85	2.89	23.72	23.88	21	18
M1	7/4/2025	Mid-Flood	Cloudy	Low	10:29	2.3	M	1.15	2			7.15	7.15	2.85	2.84	21.9	21.85	39.0	38.45	2.93	2.89	24.03	23.88	14	18
M2	7/4/2025	Mid-Flood	Cloudy	Low	10:55	2	M	1.00	1	0.093	176.616	7.16	7.16	2.89	2.92	21.8	21.85	37.1	36.90	2.79	2.78	24.98	24.86	19	19
M2	7/4/2025	Mid-Flood	Cloudy	Low	10:55	2	M	1.00	2			7.16	7.16	2.94	2.92	21.9	21.85	36.7	36.90	2.76	2.78	24.74	24.86	18	19
M3	7/4/2025	Mid-Flood	Cloudy	Low	11:13	1.8	M	0.90	1	0.089	165.333	7.19	7.20	3.38	3.42	21.8	21.85	49.2	50.00	3.7	3.76	31.53	31.56	15	17
M3	7/4/2025	Mid-Flood	Cloudy	Low	11:13	1.8	M	0.90	2			7.21	7.20	3.46	3.42	21.9	21.85	50.8	50.00	3.81	3.76	31.58	31.56	19	17
M1	7/4/2025	Mid-Ebb	Cloudy	Low	15:38	2.4	M	1.20	1	0.075	324.399	7.15	7.15	2.76	2.79	22.0	22.05	37.0	36.20	2.81	2.74	22.84	22.87	14	16
M1	7/4/2025	Mid-Ebb	Cloudy	Low	15:38	2.4	M	1.20	2			7.14	7.15	2.81	2.79	22.1	22.05	35.4	36.20	2.66	2.74	22.9	22.87	17	16
M2	7/4/2025	Mid-Ebb	Cloudy	Low	15:06	2.2	M	1.10	1	0.058	304.892	7.16	7.17	2.81	2.79	22.0	22.00	36.8	36.20	2.77	2.73	21.03	21.00	16	17
M2	7/4/2025	Mid-Ebb	Cloudy	Low	15:06	2.2	M	1.10	2			7.18	7.17	2.77	2.79	22.0	22.00	35.6	36.20	2.68	2.73	20.97	21.00	18	17
M3	7/4/2025	Mid-Ebb	Cloudy	Low	15:44	2	M	1.00	1	0.062	315.917	7.2	7.20	3.44	3.43	22.0	22.05	49.5	49.90	3.72	3.75	30.55	30.62	13	14
M3	7/4/2025	Mid-Ebb	Cloudy	Low	15:44	2	M	1.00	2			7.19	7.20	3.42	3.43	22.1	22.05	50.3	49.90	3.78	3.75	30.69	30.62	14	14

Remark

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

For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	9/4/2025	Mid-Flood	Cloudy	Low	11:52	2.4	M	1.20	1	0.088	176.74	7.15	7.15	2.94	2.97	22.8	22.85	40.6	41.20	3.05	3.10	22.50	22.57	17	16
M1	9/4/2025	Mid-Flood	Cloudy	Low	11:52	2.4	M	1.20	2			7.14	7.14	2.99	2.97	22.8	22.85	41.8	41.20	3.14	3.10	22.63	22.57	15	16
M2	9/4/2025	Mid-Flood	Cloudy	Low	12:24	2.1	M	1.05	1			7.14	7.14	3.04	3.05	22.8	22.85	40.0	40.75	3.01	3.07	23.40	23.53	17	17
M2	9/4/2025	Mid-Flood	Cloudy	Low	12:24	2.1	M	1.05	2	0.093	183.828	7.14	7.14	3.06	3.05	22.9	22.85	41.5	40.75	3.12	3.07	23.66	23.53	17	17
M3	9/4/2025	Mid-Flood	Cloudy	Low	12:39	1.9	M	0.95	1			7.18	7.18	3.65	3.61	22.8	22.85	49.9	50.15	3.75	3.77	31.66	31.81	18	18
M3	9/4/2025	Mid-Flood	Cloudy	Low	12:39	1.9	M	0.95	2			7.17	7.18	3.57	3.61	22.9	22.85	50.4	50.15	3.79	3.77	31.95	31.81	17	18
M1	9/4/2025	Mid-Ebb	Cloudy	Low	17:36	2.4	M	1.20	1	0.058	328.196	7.19	7.19	2.98	2.95	22.7	22.70	38.3	37.70	2.88	2.84	20.85	20.99	15	14
M1	9/4/2025	Mid-Ebb	Cloudy	Low	17:36	2.4	M	1.20	2			7.18	7.19	2.92	2.95	22.7	22.70	37.1	37.70	2.79	2.84	21.12	20.99	13	14
M2	9/4/2025	Mid-Ebb	Cloudy	Low	17:09	2.1	M	1.05	1			7.15	7.16	3.06	3.02	22.7	22.75	37.1	36.25	2.79	2.73	21.53	21.33	12	14
M2	9/4/2025	Mid-Ebb	Cloudy	Low	17:09	2.1	M	1.05	2	0.068	304.615	7.17	7.16	2.97	3.02	22.8	22.75	35.4	36.25	2.66	2.73	21.12	21.33	15	14
M3	9/4/2025	Mid-Ebb	Cloudy	Low	17:55	2	M	1.00	1			7.19	7.20	3.77	3.75	22.7	22.70	49.9	50.55	3.75	3.80	30.79	30.89	16	18
M3	9/4/2025	Mid-Ebb	Cloudy	Low	17:55	2	M	1.00	2			7.2	7.20	3.73	3.75	22.7	22.70	51.2	50.55	3.85	3.80	30.98	30.89	19	18

Remark

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

For Flood Tide

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

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	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	11/4/2025	Mid-Flood	Sunny	Low	12:38	2.5	M	1.25	1	0.091	184.91	7.09	7.08	2.53	2.52	22.5	22.55	35.0	34.30	2.63	2.58	16.55	16.45	46	44
M1	11/4/2025	Mid-Flood	Sunny	Low	12:39	2.5	M	1.25	2			7.07		2.51		22.6		33.6		2.53		16.34		41	
M2	11/4/2025	Mid-Flood	Sunny	Low	13:01	2.2	M	1.10	1			7.11		2.47		22.5		35.0		2.63		17.10		37	
M2	11/4/2025	Mid-Flood	Sunny	Low	13:01	2.2	M	1.10	2	0.08	168.225	7.09	7.10	2.46	2.47	22.5	22.50	36.3	35.65	2.73	2.68	16.67	16.89	41	39
M3	11/4/2025	Mid-Flood	Sunny	Low	13:16	2	M	1.00	1			7.15		2.99		22.5		49.3		3.71		25.82		38	
M3	11/4/2025	Mid-Flood	Sunny	Low	13:16	2	M	1.00	2			7.15		3.01		22.6		48.7		3.66		25.41		35	
M1	11/4/2025	Mid-Ebb	Sunny	Low	18:57	2.5	M	1.25	1	0.077	318.189	7.05	7.06	2.51	2.52	22.4	22.40	37.2	37.70	2.8	2.84	15.49	15.53	36	40
M1	11/4/2025	Mid-Ebb	Sunny	Low	18:57	2.5	M	1.25	2			7.07		2.53		22.4		38.2		2.87		15.57		44	
M2	11/4/2025	Mid-Ebb	Sunny	Low	18:32	2.2	M	1.10	1			7.08		2.44		22.4		36.0		2.71		16.13		47	
M2	11/4/2025	Mid-Ebb	Sunny	Low	18:32	2.2	M	1.10	2	0.077	328.89	7.07	7.08	2.5	2.47	22.5	22.45	35.8	35.90	2.69	2.70	16.35	16.24	47	47
M3	11/4/2025	Mid-Ebb	Sunny	Low	19:06	2	M	1.00	1			7.14		3.13		22.4		50.9		3.83		24.52		47	
M3	11/4/2025	Mid-Ebb	Sunny	Low	19:06	2	M	1.00	2			7.16		3.12		22.5		52.3		3.93		24.72		54	

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	14/4/2025	Mid-Flood	Sunny	Low	18:37	2.4	M	1.20	1	0.075	182.889	7.14	7.14	2.89	2.89	22.2	22.25	34.6	34.05	2.6	2.56	21.90	22.05	21	21
M1	14/4/2025	Mid-Flood	Sunny	Low	18:37	2.4	M	1.20	2			7.13	7.14	2.89	2.89	22.3	22.25	33.5	34.05	2.52	2.56	22.19	22.05	21	21
M2	14/4/2025	Mid-Flood	Sunny	Low	18:59	2.1	M	1.05	1			7.15	7.15	3.09	3.09	22.2	22.25	35.8	35.05	2.69	2.64	21.86	21.71	21	23
M2	14/4/2025	Mid-Flood	Sunny	Low	18:59	2.1	M	1.05	2	0.077	171.514	7.14	7.15	3.09	3.09	22.3	22.25	34.3	35.05	2.58	2.64	21.55	21.71	25	23
M3	14/4/2025	Mid-Flood	Sunny	Low	19:06	2	M	1.00	1			7.16	7.16	3.47	3.47	22.2	22.20	49.3	48.50	3.71	3.65	30.57	30.45	24	24
M3	14/4/2025	Mid-Flood	Sunny	Low	19:07	2	M	1.00	2			7.16	7.16	3.47	3.47	22.2	22.20	47.7	48.50	3.59	3.65	30.32	30.45	23	24
M1	14/4/2025	Mid-Ebb	Sunny	Low	9:51	2.5	M	1.25	1	0.06	334.584	7.17	7.16	2.91	2.91	22.3	22.30	34.8	35.30	2.62	2.66	19.92	19.86	22	25
M1	14/4/2025	Mid-Ebb	Sunny	Low	9:51	2.5	M	1.25	2			7.15	7.16	2.91	2.91	22.3	22.30	35.8	35.30	2.69	2.66	19.79	19.86	28	25
M2	14/4/2025	Mid-Ebb	Sunny	Low	9:20	2.3	M	1.15	1			7.17	7.17	2.86	2.86	22.3	22.30	34.3	33.60	2.58	2.53	19.54	19.68	21	25
M2	14/4/2025	Mid-Ebb	Sunny	Low	9:20	2.3	M	1.15	2	0.061	309.927	7.16	7.17	2.86	2.86	22.3	22.30	32.9	33.60	2.47	2.53	19.82	19.68	28	25
M3	14/4/2025	Mid-Ebb	Sunny	Low	10:01	2	M	1.00	1			7.17	7.17	3.53	3.53	22.3	22.35	48.0	47.55	3.61	3.58	29.74	29.88	28	27
M3	14/4/2025	Mid-Ebb	Sunny	Low	10:01	2	M	1.00	2			7.16	7.17	3.53	3.53	22.4	22.35	47.1	47.55	3.54	3.58	30.02	29.88	25	27

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

For Flood Tide

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

For Ebb Tide

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

Contract No. SPW 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	16/4/2025	Mid-Flood	Sunny	Low	14:56	2.4	M	1.20	1	0.081	177.782	7.13	7.13	2.94	2.95	23.1	23.10	38.7	38.35	2.91	2.89	20.55	20.34	26	25
M1	16/4/2025	Mid-Flood	Sunny	Low	14:56	2.4	M	1.20	2			7.12		2.95		23.1		38.0		2.86		20.12		23	
M2	16/4/2025	Mid-Flood	Sunny	Low	15:22	2.1	M	1.05	1			7.15		2.88		23.1		37.9		2.85		21.18		24	
M2	16/4/2025	Mid-Flood	Sunny	Low	15:22	2.1	M	1.05	2	0.09	184.723	7.13	7.14	2.97	2.93	23.2	23.15	37.0	37.45	2.78	2.82	21.04	21.11	23	24
M3	16/4/2025	Mid-Flood	Sunny	Low	15:35	2	M	1.00	1			7.19		3.45		23.1		49.5		3.72		31.93		13	
M3	16/4/2025	Mid-Flood	Sunny	Low	15:35	2	M	1.00	2			7.18		3.51		23.1		49.7		3.74		31.51		21	
M1	16/4/2025	Mid-Ebb	Sunny	Low	8:41	2.5	M	1.25	1	0.06	342.351	7.14	7.14	2.60	2.60	22.9	22.95	37.5	37.55	2.82	2.83	19.87	19.96	16	21
M1	16/4/2025	Mid-Ebb	Sunny	Low	8:41	2.5	M	1.25	2			7.13		2.59		23.0		37.6		2.83		20.05		26	
M2	16/4/2025	Mid-Ebb	Sunny	Low	8:13	2.3	M	1.15	1			7.13		2.55		22.9		39.0		2.93		20.56		21	
M2	16/4/2025	Mid-Ebb	Sunny	Low	8:13	2.3	M	1.15	2	0.065	310.117	7.12	7.13	2.58	2.57	22.9	22.90	38.0	38.50	2.86	2.90	20.88	20.72	22	22
M3	16/4/2025	Mid-Ebb	Sunny	Low	8:55	2	M	1.00	1			7.18		3.46		22.9		51.2		3.85		29.63		22	
M3	16/4/2025	Mid-Ebb	Sunny	Low	8:55	2	M	1.00	2			7.16		3.53		23.0		52.1		3.92		29.98		25	

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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	18/4/2025	Mid-Flood	Cloudy	Low	16:09	2.2	M	1.10	1	0.074	185.462	7.08	7.09	3.25	3.28	22.9	22.95	34.0	33.25	2.56	2.50	20.82	20.71	2.5	3
M1	18/4/2025	Mid-Flood	Cloudy	Low	16:09	2.2	M	1.10	2			7.09		3.3		23		32.5		2.44		20.59		2.5	
M2	18/4/2025	Mid-Flood	Cloudy	Low	16:35	1.9	M	0.95	1			7.07		3.36		22.9		36.0		2.71		21.98		2.5	
M2	18/4/2025	Mid-Flood	Cloudy	Low	16:35	1.9	M	0.95	2	0.079	183.634	7.05	7.06	3.42	3.39	22.9	22.90	36.3	36.15	2.73	2.72	21.65	21.82	2.5	3
M3	18/4/2025	Mid-Flood	Cloudy	Low	16:48	1.8	M	0.90	1			7.11		4.21		22.9		50.5		3.8		30.57		2.5	
M3	18/4/2025	Mid-Flood	Cloudy	Low	16:48	1.8	M	0.90	2			7.12		4.28		22.9		51.5		3.87		30.42		2.5	
M1	18/4/2025	Mid-Ebb	Cloudy	Low	9:21	2.3	M	1.15	1	0.075	336.048	7.07	7.06	3.60	3.63	22.8	22.80	35.8	36.00	2.69	2.71	19.84	19.68	2.5	3
M1	18/4/2025	Mid-Ebb	Cloudy	Low	9:21	2.3	M	1.15	2			7.05		3.66		22.8		36.2		2.72		19.51		2.5	
M2	18/4/2025	Mid-Ebb	Cloudy	Low	8:56	2.1	M	1.05	1			7.07		3.35		22.8		33.8		2.54		19.28		2.5	
M2	18/4/2025	Mid-Ebb	Cloudy	Low	8:56	2.1	M	1.05	2	0.079	328.05	7.05	7.06	3.32	3.34	22.8	22.80	34.2	34.00	2.57	2.56	19.63	19.46	2.5	3
M3	18/4/2025	Mid-Ebb	Cloudy	Low	9:38	1.8	M	0.90	1			7.12		4.28		22.8		48.1		3.62		29.63		2.5	
M3	18/4/2025	Mid-Ebb	Cloudy	Low	9:38	1.8	M	0.90	2			7.11		4.28		22.9		47.6		3.58		29.7		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	21/4/2025	Mid-Flood	Cloudy	Low	15:26	2.3	M	1.15	1	0.091	163.911	7.12	7.13	2.65	2.67	22.5	22.55	36.6	35.85	2.75	2.70	20.15	20.12	2.5	3
M1	21/4/2025	Mid-Flood	Cloudy	Low	15:26	2.3	M	1.15	2			7.14		2.68		22.6		35.1		2.64		20.08		2.5	
M2	21/4/2025	Mid-Flood	Cloudy	Low	15:49	2.1	M	1.05	1			7.16		2.75		22.5		37.8		2.84		19.93		2.5	
M2	21/4/2025	Mid-Flood	Cloudy	Low	15:49	2.1	M	1.05	2	0.084	183.787	7.15	7.16	2.8	2.78	22.6	22.55	38.4	38.10	2.89	2.87	19.79	19.86	2.5	3
M3	21/4/2025	Mid-Flood	Cloudy	Low	15:58	1.9	M	0.95	1			7.18		3.39		22.5		50.9		3.83		25.69		2.5	
M3	21/4/2025	Mid-Flood	Cloudy	Low	15:58	1.9	M	0.95	2			7.19		3.48		22.6		51.3		3.86		25.85		2.5	
M1	21/4/2025	Mid-Ebb	Cloudy	Low	13:44	2.3	M	1.15	1	0.074	344.379	7.13	7.14	2.68	2.71	22.9	22.90	37.8	36.80	2.84	2.77	19.88	19.97	2.5	3
M1	21/4/2025	Mid-Ebb	Cloudy	Low	13:45	2.3	M	1.15	2			7.15		2.74		22.9		35.8		2.69		20.06		2.5	
M2	21/4/2025	Mid-Ebb	Cloudy	Low	13:15	2.1	M	1.05	1			7.12	7.12	2.86	2.82	22.9	22.90	36.4	36.15	2.74	2.72	18.13	17.96	2.5	3
M2	21/4/2025	Mid-Ebb	Cloudy	Low	13:15	2.1	M	1.05	2	0.063	315.036	7.12		2.77		22.9		35.9		2.7		17.79		2.5	
M3	21/4/2025	Mid-Ebb	Cloudy	Low	13:57	1.8	M	0.90	1			7.21		3.58		22.9		52.4		3.94		26.99		2.5	
M3	21/4/2025	Mid-Ebb	Cloudy	Low	13:57	1.8	M	0.90	2	0.06	321.903	7.23	7.22	3.5	3.54	22.9	22.90	50.7	51.55	3.81	3.88	26.58	26.79	2.5	3

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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	23/4/2025	Mid-Flood	Cloudy	Low	10:26	2.5	M	1.25	1	0.088	181.761	7.08	7.07	2.34	2.35	21.5	21.50	37.9	38.65	2.85	2.91	20.36	20.24	42	43
M1	23/4/2025	Mid-Flood	Cloudy	Low	10:26	2.5	M	1.25	2			7.06		2.35		21.5		39.4		2.96		20.11		44	
M2	23/4/2025	Mid-Flood	Cloudy	Low	10:49	2.2	M	1.10	1			7.09	7.10	2.22	2.19	21.5	21.55	36.4	37.15	2.74	2.80	19.84	19.84	39	38
M2	23/4/2025	Mid-Flood	Cloudy	Low	10:49	2.2	M	1.10	2	0.08	180.603	7.11		2.15		21.6		37.9		2.85		19.83		36	
M3	23/4/2025	Mid-Flood	Cloudy	Low	11:03	2	M	1.00	1			7.12	7.13	3.16	3.16	21.5	21.55	50.4	50.05	3.79	3.77	31.54	31.44	41	37
M3	23/4/2025	Mid-Flood	Cloudy	Low	11:03	2	M	1.00	2			7.13		3.16		21.6		49.7		3.74		31.33		33	
M1	23/4/2025	Mid-Ebb	Cloudy	Low	15:51	2.4	M	1.20	1	0.063	336.472	7.07	7.08	2.18	2.16	21.3	21.35	37.1	36.15	2.79	2.72	19.84	19.86	40	40
M1	23/4/2025	Mid-Ebb	Cloudy	Low	15:51	2.4	M	1.20	2			7.09		2.14		21.4		35.2		2.65		19.88		40	
M2	23/4/2025	Mid-Ebb	Cloudy	Low	15:20	2.1	M	1.05	1			7.05	7.06	2.38	2.41	21.3	21.30	35	35.30	2.63	2.66	19.04	18.82	36	40
M2	23/4/2025	Mid-Ebb	Cloudy	Low	15:21	2.1	M	1.05	2	0.06	336.887	7.06		2.43		21.3		35.6		2.68		18.6		44	
M3	23/4/2025	Mid-Ebb	Cloudy	Low	16:01	1.8	M	0.90	1			7.12	7.12	3.08	3.07	21.3	21.30	51.6	50.75	3.88	3.82	29.06	29.04	36	48
M3	23/4/2025	Mid-Ebb	Cloudy	Low	16:01	1.8	M	0.90	2			7.12		3.06		21.3		49.9		3.75		29.01		60	

Remark

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

For Flood Tide						
Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167
For Ebb Tide						
Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	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	25/4/2025	Mid-Flood	Cloudy	Low	11:41	2.5	M	1.25	1	0.088	183.437	7.16	7.17	2.56	2.52	21.3	21.35	36.0	35.80	2.71	2.70	18.54	18.64	39	38
M1	25/4/2025	Mid-Flood	Cloudy	Low	11:41	2.5	M	1.25	2			7.18		2.48		21.4		35.6		2.68		18.74		36	
M2	25/4/2025	Mid-Flood	Cloudy	Low	12:08	2.3	M	1.15	1			7.11	7.12	2.66	2.65	21.3	21.35	37.9	37.10	2.85	2.79	17.90	17.92	31	33
M2	25/4/2025	Mid-Flood	Cloudy	Low	12:08	2.3	M	1.15	2	0.08	180.07	7.12		2.64		21.4		36.3		2.73		17.93		35	
M3	25/4/2025	Mid-Flood	Cloudy	Low	12:20	2	M	1.00	1			7.18		3.35	3.40	21.3	21.30	49.5	50.20	3.72	3.78	26.63	26.68	42	46
M3	25/4/2025	Mid-Flood	Cloudy	Low	12:20	2	M	1.00	2	0.089	162.729	7.16	7.17	3.44		21.3		50.9		3.83		26.73		50	
M1	25/4/2025	Mid-Ebb	Cloudy	Low	17:49	2.4	M	1.20	1			7.15	7.16	2.65	2.67	21.1	21.15	36.7	37.35	2.76	2.81	18.55	18.67	39	41
M1	25/4/2025	Mid-Ebb	Cloudy	Low	17:49	2.4	M	1.20	2	0.058	328.029	7.16		2.68		21.2		38.0		2.86		18.79		42	
M2	25/4/2025	Mid-Ebb	Cloudy	Low	17:27	2.2	M	1.10	1			7.14	7.14	2.58	2.61	21.1	21.10	37.2	37.55	2.8	2.83	18.12	18.16	40	45
M2	25/4/2025	Mid-Ebb	Cloudy	Low	17:27	2.2	M	1.10	2	0.071	329.37	7.13		2.63		21.1		37.9		2.85		18.19		49	
M3	25/4/2025	Mid-Ebb	Cloudy	Low	18:04	1.9	M	0.95	1			7.18	7.19	3.54	3.51	21.1	21.10	49.7	49.80	3.74	3.75	25.99	25.81	34	40
M3	25/4/2025	Mid-Ebb	Cloudy	Low	18:04	1.9	M	0.95	2			7.19		3.48		21.1		49.9		3.75		25.62		45	

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	28/4/2025	Mid-Flood	Cloudy	Low	13:30	2.3	M	1.15	1	0.084	174.331	7.08	7.08	3.11	3.08	22.6	22.65	37.4	37.65	2.81	2.83	22.15	22.30	26	22
M1	28/4/2025	Mid-Flood	Cloudy	Low	13:30	2.3	M	1.15	2			7.07		3.04		22.7		37.9		2.85		22.44		17	
M2	28/4/2025	Mid-Flood	Cloudy	Low	13:55	2.1	M	1.05	1	0.092	182.016	7.11	7.10	3.15	3.11	22.6	22.60	37.9	37.30	2.85	2.81	21.87	21.83	32	44
M2	28/4/2025	Mid-Flood	Cloudy	Low	13:56	2.1	M	1.05	2			7.09		3.06		22.6		36.7		2.76		21.78		56	
M3	28/4/2025	Mid-Flood	Cloudy	Low	14:08	1.9	M	0.95	1	0.09	161.866	7.15	7.14	3.56	3.58	22.6	22.60	48.7	47.95	3.66	3.61	31.69	31.69	45	41
M3	28/4/2025	Mid-Flood	Cloudy	Low	14:08	1.9	M	0.95	2			7.13		3.6		22.6		47.2		3.55		31.69		37	
M1	28/4/2025	Mid-Ebb	Cloudy	Low	9:11	2.2	M	1.10	1	0.058	303.945	7.09	7.08	2.97	2.96	22.4	22.40	35.9	35.25	2.7	2.65	21.88	21.71	38	34
M1	28/4/2025	Mid-Ebb	Cloudy	Low	9:11	2.2	M	1.10	2			7.07		2.94		22.4		34.6		2.6		21.53		30	
M2	28/4/2025	Mid-Ebb	Cloudy	Low	8:47	2	M	1.00	1	0.078	306.812	7.08	7.09	3.06	3.07	22.4	22.40	36.8	37.50	2.77	2.82	20.52	20.40	32	31
M2	28/4/2025	Mid-Ebb	Cloudy	Low	8:47	2	M	1.00	2			7.09		3.08		22.4		38.2		2.87		20.27		29	
M3	28/4/2025	Mid-Ebb	Cloudy	Low	9:24	1.8	M	0.90	1	0.061	303.646	7.14	7.13	3.47	3.45	22.4	22.40	49.9	49.55	3.75	3.73	30.56	30.41	39	45
M3	28/4/2025	Mid-Ebb	Cloudy	Low	9:24	1.8	M	0.90	2			7.12		3.43		22.4		49.2		3.7		30.25		51	

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	30/4/2025	Mid-Flood	Cloudy	Low	14:54	2.6	M	1.30	1	0.078	174.687	7.09	7.10	2.42	2.44	21.9	21.90	39.6	39.95	2.98	3.01	20.59	20.56	32	32
M1	30/4/2025	Mid-Flood	Cloudy	Low	14:54	2.6	M	1.30	2			7.11		2.45		21.9		40.3		3.03		20.52		31	
M2	30/4/2025	Mid-Flood	Cloudy	Low	15:21	2.3	M	1.15	1	0.084	175.76	7.08	7.08	2.39	2.40	21.9	21.90	40.6	39.60	3.05	2.98	21.43	21.41	30	30
M2	30/4/2025	Mid-Flood	Cloudy	Low	15:21	2.3	M	1.15	2			7.08		2.4		21.9		38.6		2.9		21.38		29	
M3	30/4/2025	Mid-Flood	Cloudy	Low	15:40	2.2	M	1.10	1	0.084	161.92	7.11	7.11	3.05	3.01	21.9	21.90	51.7	52.20	3.89	3.93	29.88	29.96	35	36
M3	30/4/2025	Mid-Flood	Cloudy	Low	15:40	2.2	M	1.10	2			7.1		2.97		21.9		52.7		3.96		30.04		36	
M1	30/4/2025	Mid-Ebb	Cloudy	Low	10:16	2.6	M	1.30	1	0.076	336.991	7.08	7.08	2.52	2.53	21.8	21.85	38.4	38.35	2.89	2.89	21.86	21.95	34	31
M1	30/4/2025	Mid-Ebb	Cloudy	Low	10:16	2.6	M	1.30	2			7.08		2.54		21.9		38.3		2.88		22.03		27	
M2	30/4/2025	Mid-Ebb	Cloudy	Low	9:44	2.3	M	1.15	1	0.063	333.114	7.09	7.08	2.51	2.47	21.8	21.80	39.1	38.25	2.94	2.88	22.41	22.46	26	27
M2	30/4/2025	Mid-Ebb	Cloudy	Low	9:44	2.3	M	1.15	2			7.07		2.42		21.8		37.4		2.81		22.51		27	
M3	30/4/2025	Mid-Ebb	Cloudy	Low	10:28	2	M	1.05	1	0.063	314.472	7.12	7.13	2.99	3.04	21.8	21.85	51.2	50.65	3.85	3.81	29.58	29.47	33	35
M3	30/4/2025	Mid-Ebb	Cloudy	Low	10:28	2	M	1.05	2			7.14		3.08		21.9		50.1		3.77		29.35		37	

Remark

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

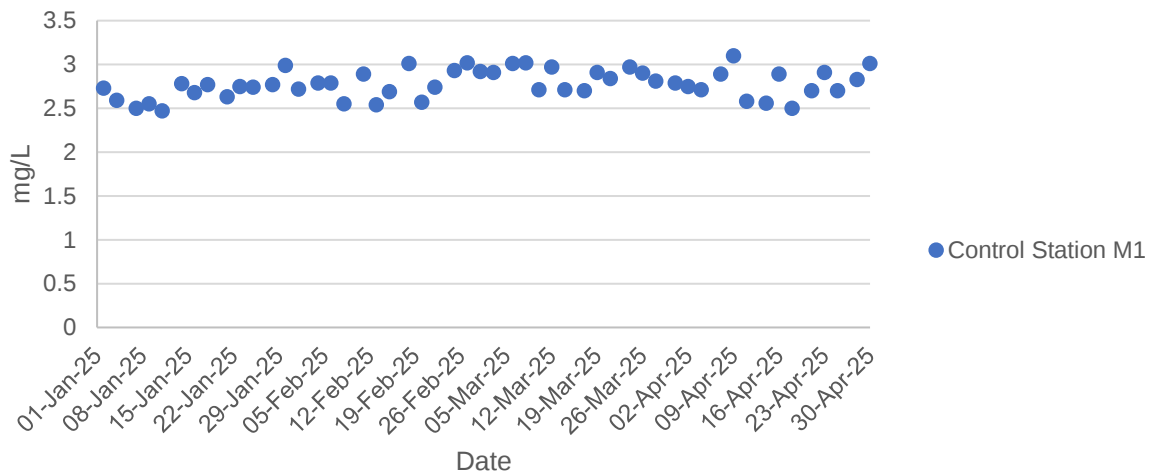
For Flood Tide

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

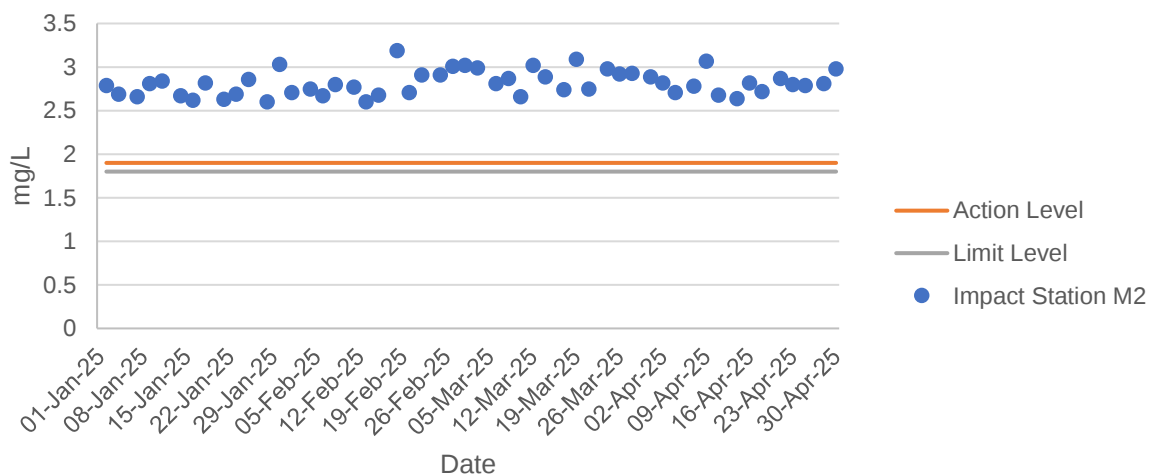
For Ebb Tide

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

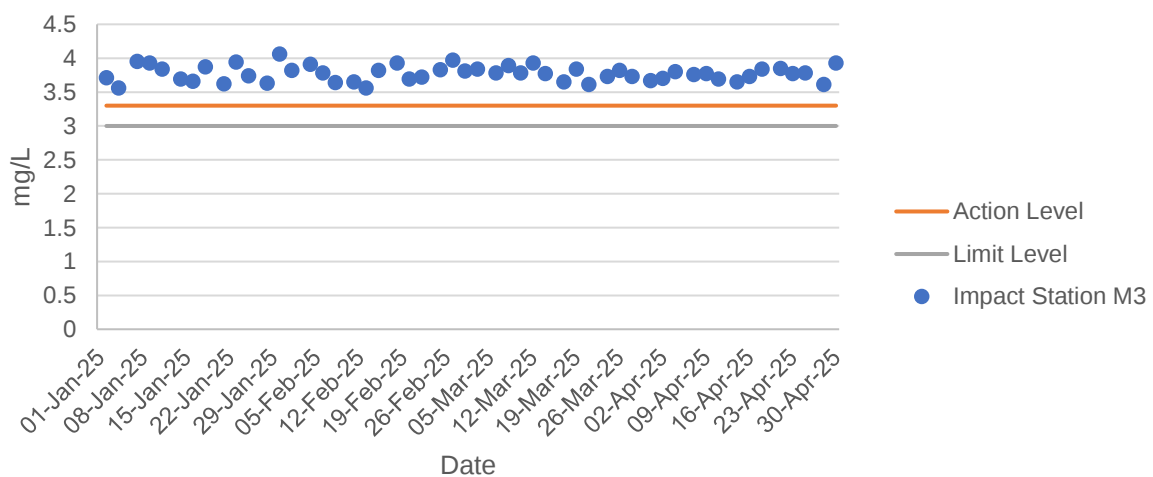
Dissolved Oxygen at Mid-Flood Tide



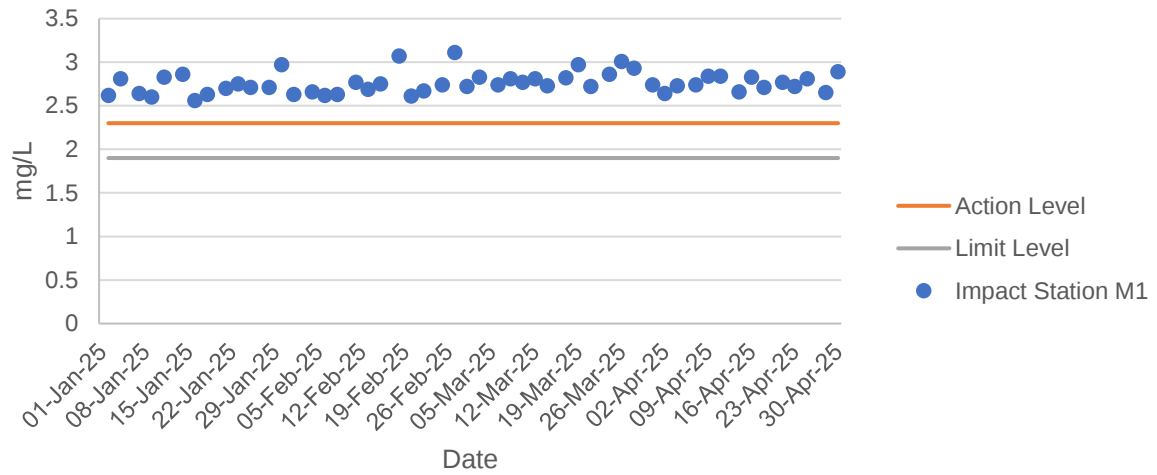
Dissolved Oxygen at Mid-Flood Tide



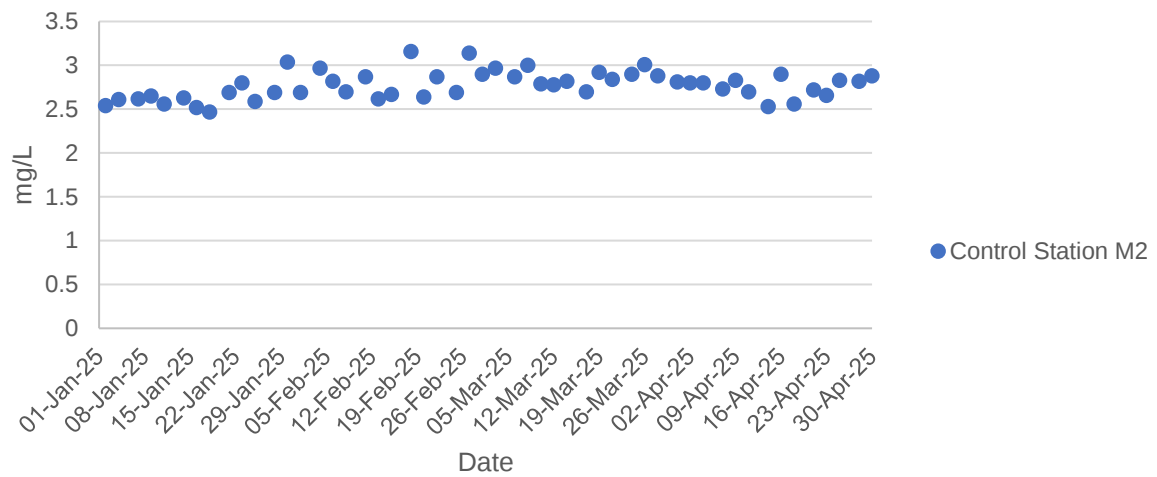
Dissolved Oxygen at Mid-Flood Tide



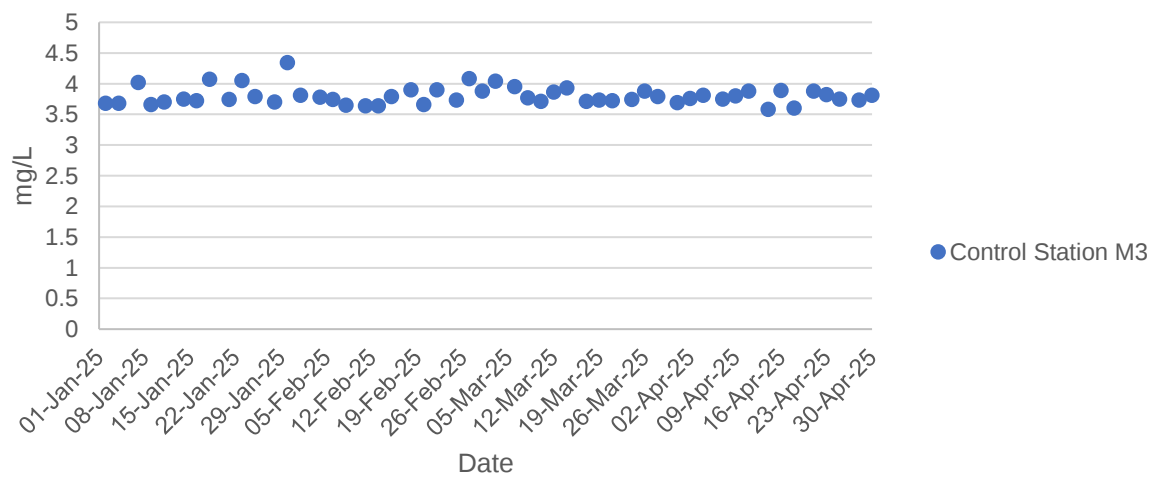
Dissolved Oxygen at Mid-Ebb Tide



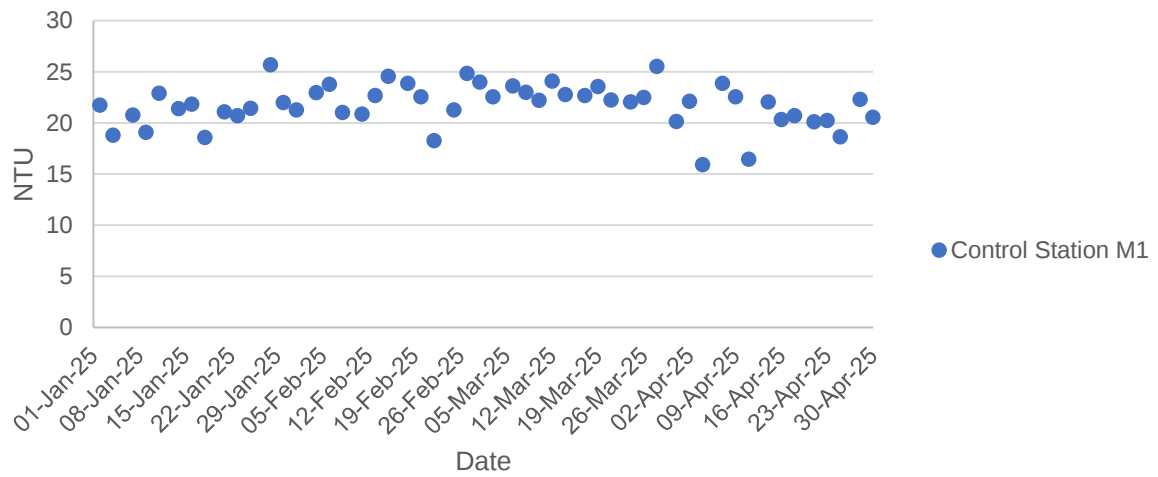
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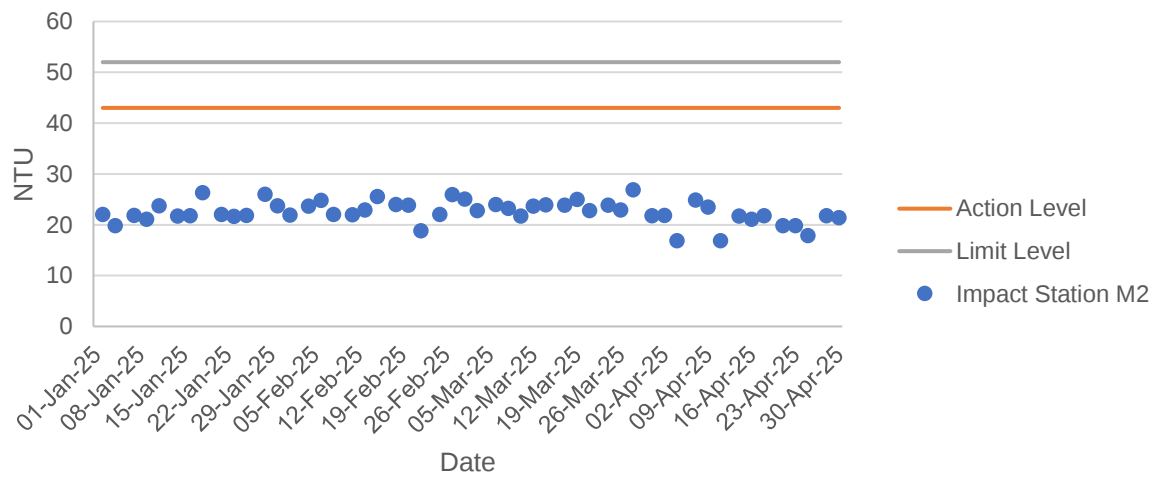
Dissolved Oxygen at Mid-Ebb Tide



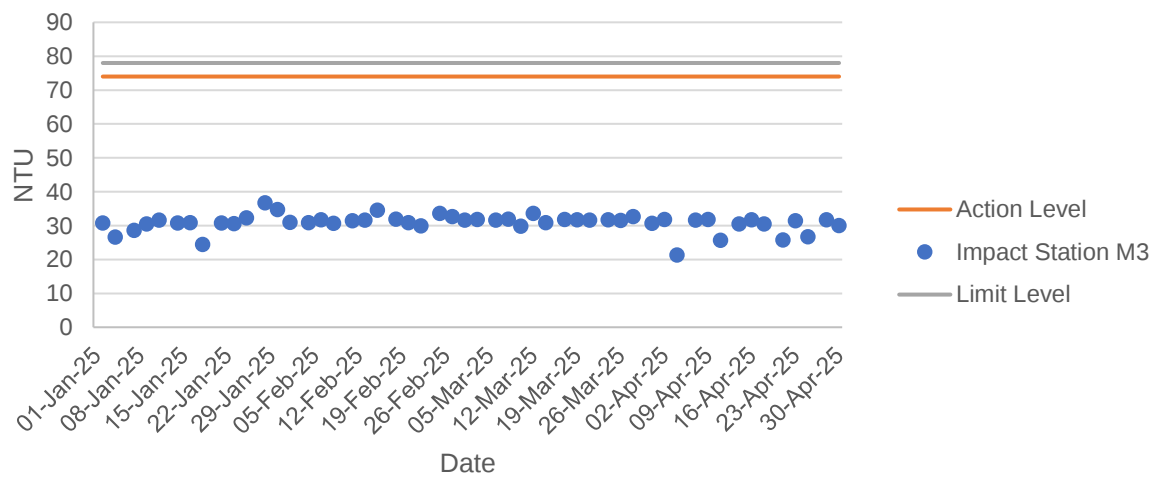
Turbidity at Mid-Flood Tide



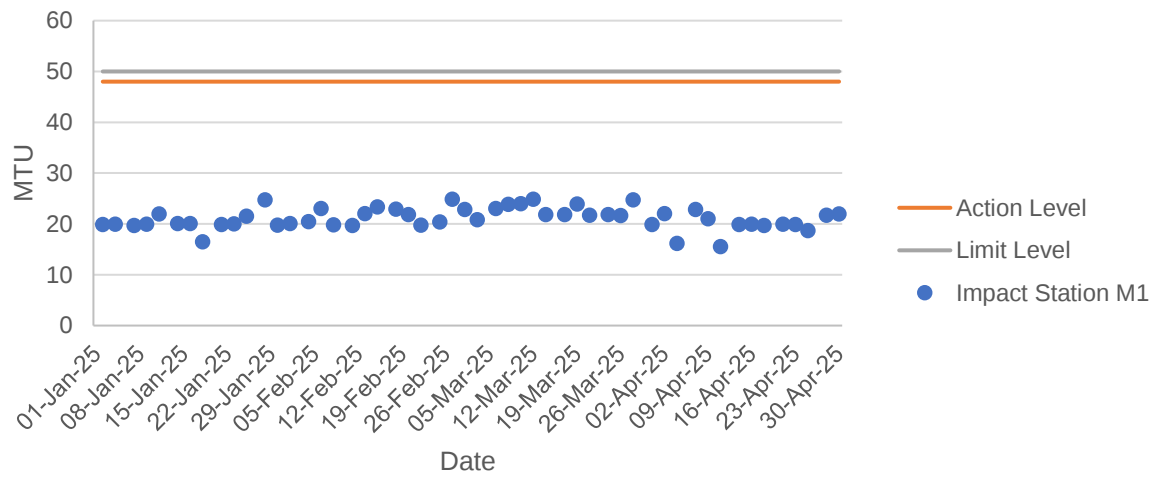
Turbidity at Mid-Flood Tide



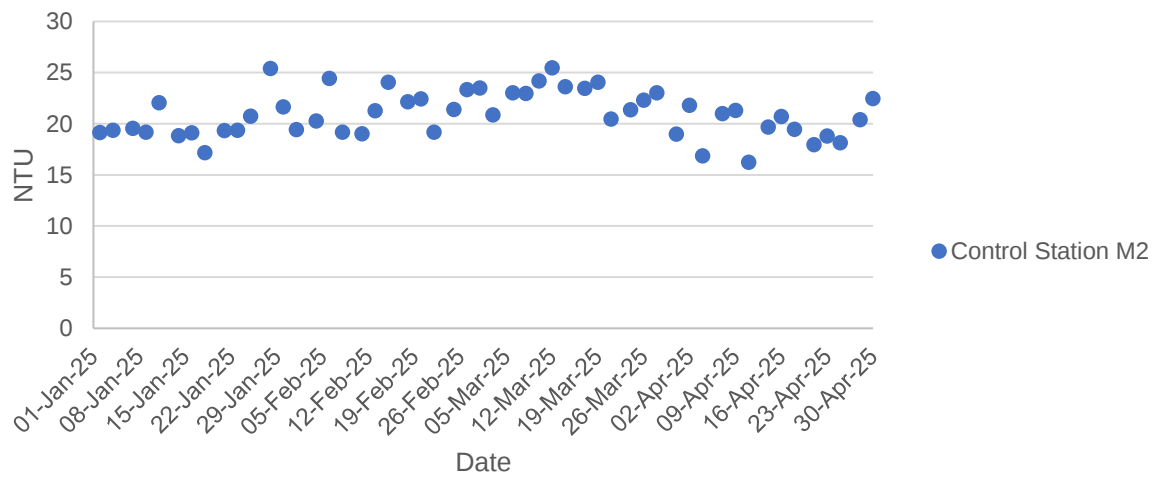
Turbidity at Mid-Flood Tide



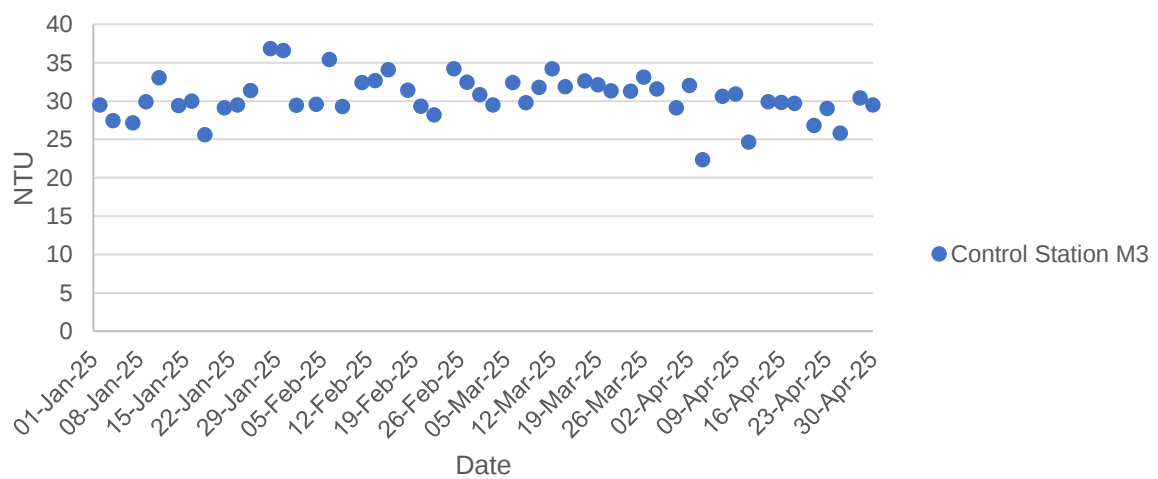
Turbidity at Mid-Ebb Tide



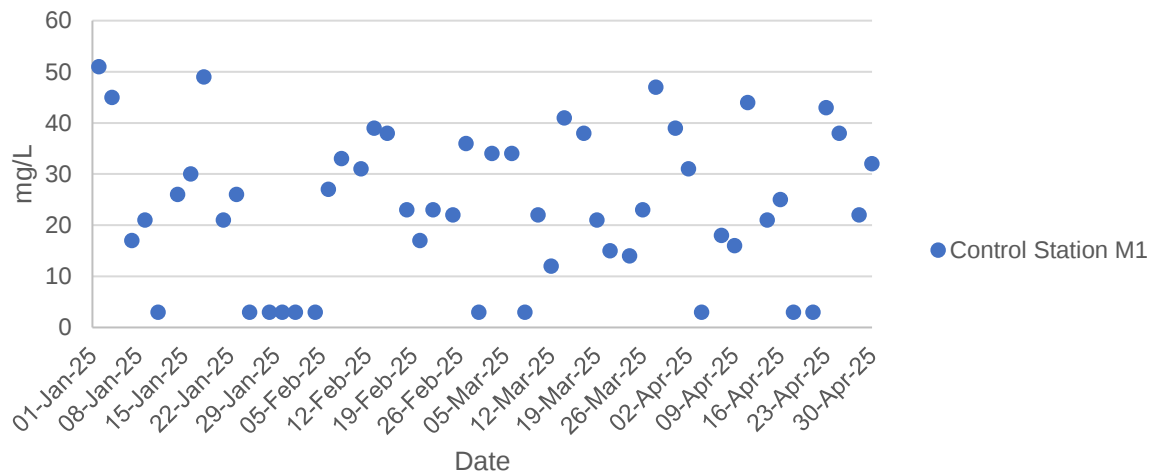
Turbidity at Mid-Ebb Tide



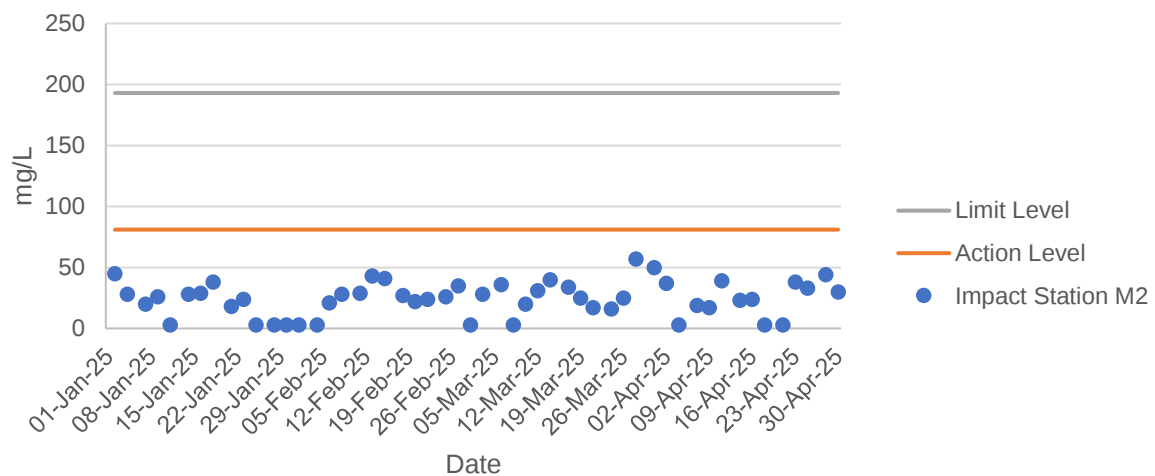
Turbidity at Mid-Ebb Tide



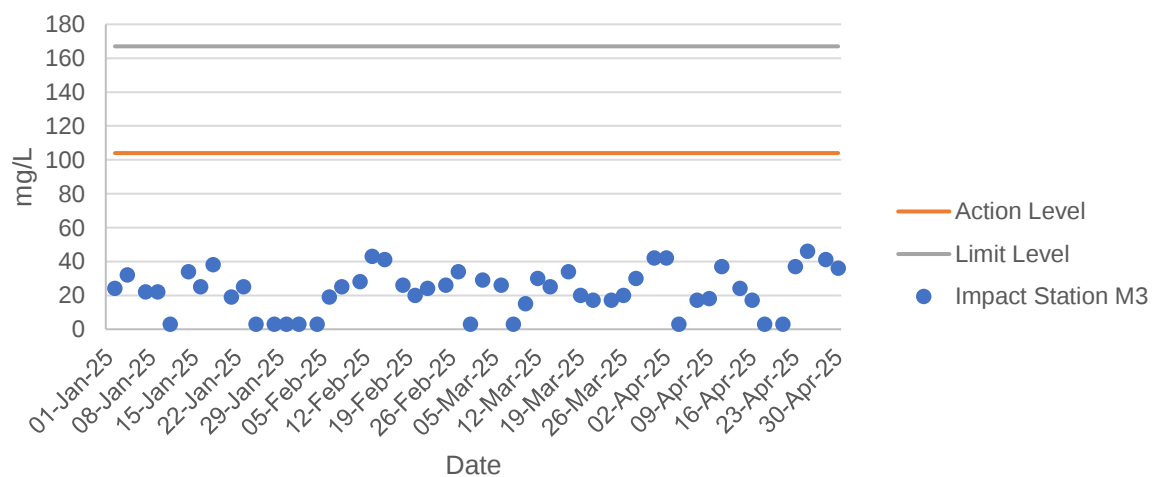
Total Suspended Solids at Mid-Flood Tide



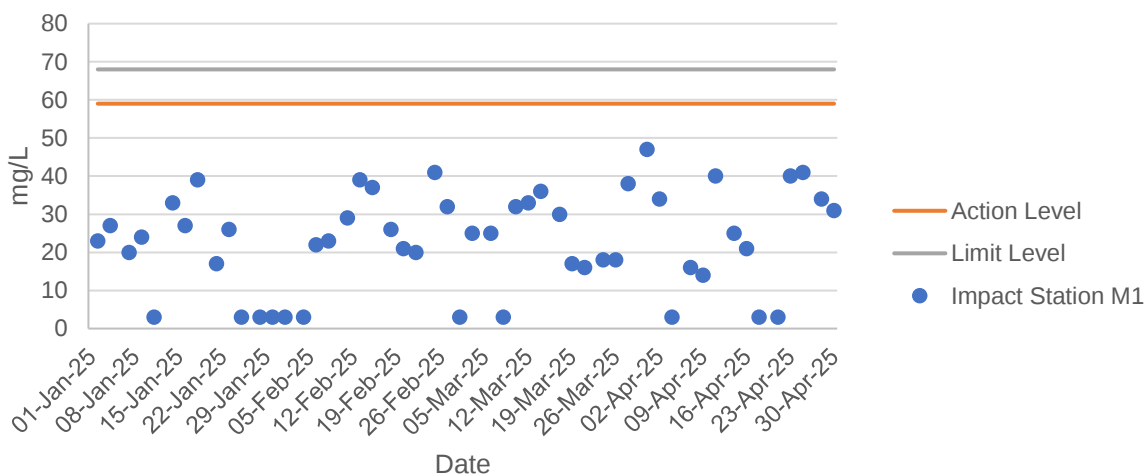
Total Suspended Solids at Mid-Flood Tide



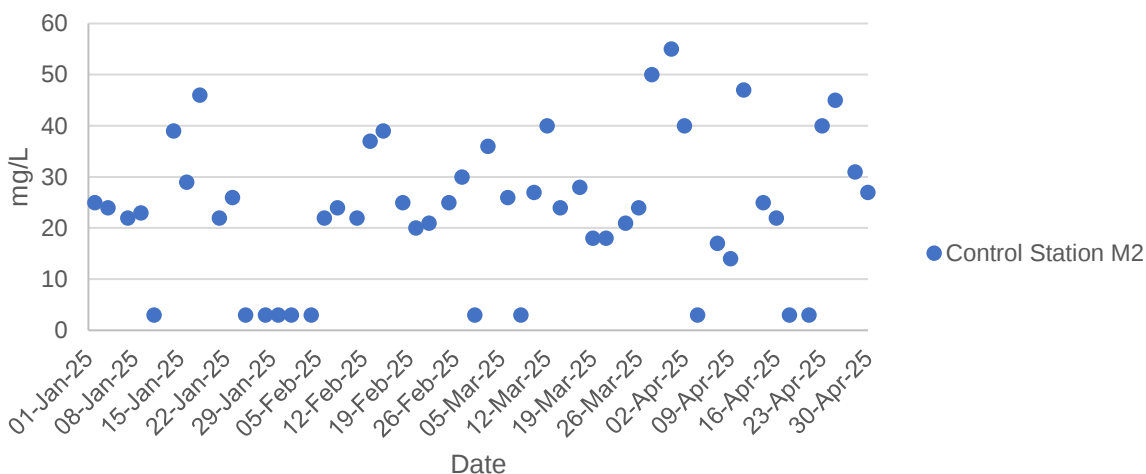
Total Suspended Solids at Mid-Flood Tide



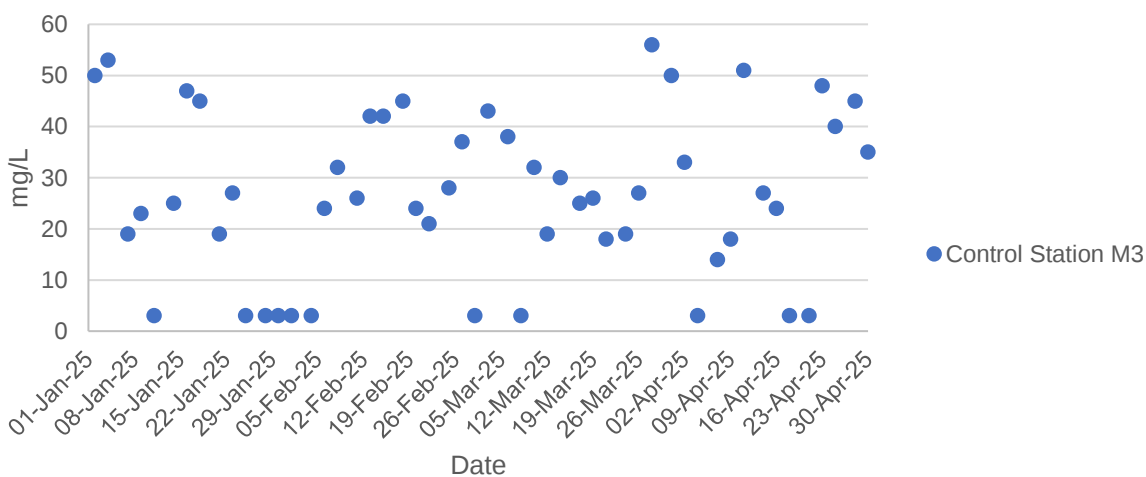
Total Suspended Solids at Mid-Ebb Tide



Total Suspended Solids at Mid-Ebb Tide



Total Suspended Solids at Mid-Ebb Tide



Ecology Monitoring Results for

Contract No. SPW 02/2023

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

Appendix F.1 Ecological Bird Monitoring Result (14 April & 16 April 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
14/04/2025	Night-time	Wet	FLW	Point Count	FLW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
14/04/2025	Night-time	Wet	FLW	Point Count	FLW2	Savanna Nightjar	<i>Caprimulgus affinis</i>	1	Uncommon	R.PM	-	-	-	DD	-	N	N
14/04/2025	Night-time	Wet	FLW	Point Count	FLW2	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
14/04/2025	Night-time	Wet	FLW	Point Count	FLW4	Large Hawk-Cuckoo	<i>Hierococcyx sparverioides</i>	1	Common	PM,SV	-	-	-	LC	LC	N	N
14/04/2025	Night-time	Wet	NSW	Point Count	SP/NSW1	Savanna Nightjar	<i>Caprimulgus affinis</i>	1	Uncommon	R.PM	-	-	-	DD	-	N	N
14/04/2025	Night-time	Wet	NSW	Point Count	SP/NSW3	Collared Scops Owl	<i>Otus lettia</i>	1	Common	R	-	Class II	-	LC	LC	Y	N
14/04/2025	Night-time	Wet	NSW	Point Count	SP/NSW3	Large Hawk-Cuckoo	<i>Hierococcyx sparverioides</i>	1	Common	PM,SV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW2	Collared Crow	<i>Corvus torquatus</i>	1	Uncommon	R	LC	-	-	NT	VU	Y	Y
16/04/2025	Daytime	Wet	FLW	Point Count	FLW2	Crested Myna	<i>Acridotheres cristatellus</i>	3	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW2	Little Grebe	<i>Tachybaptus ruficollis</i>	1	Common	R	LC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	FLW	Point Count	FLW2	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW3	Asian Koel	<i>Eudynamys scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW3	Barn Swallow	<i>Hirundo rustica</i>	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW3	Black-collared Starling	<i>Gracupica nigricollis</i>	2	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	FLW	Point Count	FLW3	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	FLW	Point Count	FLW3	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW4	Barn Swallow	<i>Hirundo rustica</i>	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW4	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
16/04/2025	Daytime	Wet	FLW	Point Count	FLW4	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW4	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW4	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW4	Large Hawk-Cuckoo	<i>Hierococcyx sparverioides</i>	1	Common	PM,SV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW4	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (14 April & 16 April 2025)

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong ²	Principal Status ³	Level of Concern ⁴	Protection Status in China ⁵	China Red Data Book ⁶	Red List of China's Vertebrates ⁹	IUCN Red List ⁷ (v.2020-3)	Species of Conservation Importance	Wetland Dependent ⁸
16/04/2025	Daytime	Wet	FLW	Point Count	FLW4	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW4	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW4	Plain Prinia	<i>Prinia inornata</i>	4	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW4	Scaly-breasted Munia	<i>Lonchura punctulata</i>	6	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW4	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW4	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW4	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW4	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	2	Common	R	(LC)	Class II	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	FLW	Point Count	FLW5	Barn Swallow	<i>Hirundo rustica</i>	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW5	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW5	Black-winged stilt	<i>Himantopus himantopus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	FLW	Point Count	FLW5	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	FLW	Point Count	FLW5	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW5	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW5	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW5	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW5	Eurasian Tree Sparrow	<i>Passer montanus</i>	6	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW5	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	FLW	Point Count	FLW5	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	FLW	Point Count	FLW5	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW5	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW5	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW5	Swinhoe's White-eye	<i>Zosterops simplex</i>	3	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW5	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (14 April & 16 April 2025)

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong ²	Principal Status ³	Level of Concern ⁴	Protection Status in China ⁵	China Red Data Book ⁶	Red List of China's Vertebrates ⁹	IUCN Red List ⁷ (v.2020-3)	Species of Conservation Importance	Wetland Dependent ⁸
16/04/2025	Daytime	Wet	FLW	Point Count	FLW5	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
16/04/2025	Daytime	Wet	FLW	Point Count	FLW5	Richard's Pipit	<i>Anthus richardi</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW6	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	FLW	Point Count	FLW6	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	FLW	Point Count	FLW6	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW6	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	FLW	Point Count	FLW6	Little Grebe	<i>Tachybaptus ruficollis</i>	2	Common	R	LC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	FLW	Point Count	FLW6	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW6	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW7	Asian Koel	<i>Eudynamys scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW7	Azure-winged Magpie	<i>Cyanopica cyanus</i>	26	Introduced	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW7	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW7	Chinese Pond Heron	<i>Ardeola bacchus</i>	10	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	FLW	Point Count	FLW7	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Point Count	FLW7	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	FLW	Point Count	FLW7	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	NSW1	Asian Koel	<i>Eudynamys scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	NSW1	Black-winged stilt	<i>Himantopus himantopus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	NSW1	Common Greenshank	<i>Tringa nebularia</i>	1	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Tree Sparrow	<i>Passer montanus</i>	5	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	NSW1	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	5	Abundant	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
16/04/2025	Daytime	Wet	NSW	Point Count	NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	NSW1	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	NSW1	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
16/04/2025	Daytime	Wet	NSW	Point Count	NSW1	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Black-winged stilt	<i>Himantopus himantopus</i>	14	Common	PM	RC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Greenshank	<i>Tringa nebularia</i>	4	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Moorhen	<i>Gallinula chloropus</i>	3	Common	R	-	-	-	LC	LC	N	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Redshank	<i>Tringa totanus</i>	6	Common	PM	RC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	2	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Oriental Magpie Robin	<i>Copsychus saularis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Swinhoe's White- eye	<i>Zosterops simplex</i>	3	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW1	Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>	1	Common	W	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Black-winged stilt	<i>Himantopus himantopus</i>	5	Common	PM	RC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Common Greenshank	<i>Tringa nebularia</i>	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Common Redshank	<i>Tringa totanus</i>	6	Common	PM	RC	-	-	LC	LC	Y	Y

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16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Common Snipe	<i>Gallinago gallinago</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Large-billed Crow	<i>Corvus macrorhynchos</i>	1	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Little Ringed Plover	<i>Charadrius dubius</i>	1	Common	WV,PM	(LC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	spotted Redshank	<i>Tringa erythropus</i>	1	Abundant	WV,Sp	RC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW2	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Black-tailed Godwit	<i>Limosa limosa</i>	11	Abundant	M,W	RC	-	Indeterminate	-	NT	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Black-winged stilt	<i>Himantopus himantopus</i>	15	Common	PM	RC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Greenshank	<i>Tringa nebularia</i>	6	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Moorhen	<i>Gallinula chloropus</i>	1	Common	R	-	-	-	LC	LC	N	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Common Redshank	<i>Tringa totanus</i>	26	Common	PM	RC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Marsh Sandpiper	<i>Tringa stagnatilis</i>	1	Common	PM,WV	RC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Point Count	SP/NSW3	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
14/04/2025	Night-time	Wet	FLW	Transect	FLW	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	1	Common	R,WV	(LC)	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (14 April & 16 April 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
14/04/2025	Night-time	Wet	FLW	Transect	FLW	Asian Barred Owlet	<i>Glaucidium cuculoides</i>	1	Common	R	-	-	-	LC	LC	Y	N
14/04/2025	Night-time	Wet	YLIE-CW	Transect	YLIE-CW	Savanna Nightjar	<i>Caprimulgus affinis</i>	2	Uncommon	R.PM	-	-	-	DD	-	N	N
16/04/2025	Daytime	Wet	FLW	Transect	FLW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	11	Introduced	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Transect	FLW	Black Kite	<i>Milvus migrans</i>	4	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	7	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Transect	FLW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Transect	FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	FLW	Transect	FLW	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
16/04/2025	Daytime	Wet	FLW	Transect	FLW	Crested Myna	<i>Acridotheres cristatellus</i>	5	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Transect	FLW	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Transect	FLW	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Transect	FLW	Little Grebe	<i>Tachybaptus ruficollis</i>	2	Common	R	LC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	FLW	Transect	FLW	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	6	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Transect	FLW	Oriental Magpie Robin	<i>Copsychus saularis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Transect	FLW	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Transect	FLW	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Transect	FLW	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Transect	FLW	Swinhoe's White-eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Transect	FLW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	FLW	Transect	FLW	Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>	1	Common	W	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Transect	NSW	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Transect	NSW	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
16/04/2025	Daytime	Wet	NSW	Transect	NSW	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Transect	NSW	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (14 April & 16 April 2025)

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong ²	Principal Status ³	Level of Concern ⁴	Protection Status in China ⁵	China Red Data Book ⁶	Red List of China's Vertebrates ⁹	IUCN Red List ⁷ (v.2020-3)	Species of Conservation Importance	Wetland Dependent ⁸
16/04/2025	Daytime	Wet	NSW	Transect	NSW	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Transect	NSW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Transect	NSW	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Transect	NSW	Swinhoe's White- eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	NSW	Transect	NSW	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	1	Common	WV,Sp	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Black-tailed Godwit	<i>Limosa limosa</i>	3	Abundant	M,W	RC	-	Indeterminate	-	NT	Y	Y
16/04/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Black-winged stilt	<i>Himantopus himantopus</i>	21	Common	PM	RC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	5	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Common Greenshank	<i>Tringa nebularia</i>	7	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Common Moorhen	<i>Gallinula chloropus</i>	4	Common	R	-	-	-	LC	LC	N	Y
16/04/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Common Redshank	<i>Tringa totanus</i>	12	Common	PM	RC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Crested Myna	<i>Acridotheres cristatellus</i>	6	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Little Egret	<i>Egretta garzetta</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Pied Avocet	<i>Recurvirostra avosetta</i>	22	Abundant	WV	RC	-	-	LC	LC	Y	Y
16/04/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
16/04/2025	Daytime	Wet	YLIE- CW	Transect	YLIE-CW	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y

Notes:

1. All wild birds are protected under Wild Animals Protection Ordinance (Cap. 170).

2. AFCD (2021). Hong Kong Biodiversity Database.

3. Carey et al. (2001): R=resident; WV=winter visitor; SV=summer visitor; PM=passage migrant; Sp=spring; A=autumn;

4. Fellowes et al. (2002): LC=Local Concern; RC=Regional Concern; PRC=Potential Regional Concern; PGC: Potential Global Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

5. List of Wild Animals under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).

6. Zheng, G. M. and Wang, Q. S. (1998). China Red Data Book

Appendix F.1 Ecological Bird Monitoring Result (14 April & 16 April 2025)

- 7. IUCN 2021. The IUCN Red List of Threatened Species. Version 2020-3.
- 8. Wetland-dependent species (including wetland-dependent species and waterbirds).
- 9. Jiang et al. (2016). Red List of China's Vertebrates

Appendix F.2.1 Ecological Bird Monitoring Diversity (All avifauna species in Point Count Method)
in All Habitats (14 April & 16 April 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Tachybaptus ruficollis</i>	3	0.0093	-4.6759	-0.0436	0.2037
<i>Ardeola bacchus</i>	26	0.0807	-2.5165	-0.2032	0.5113
<i>Ardea cinerea</i>	3	0.0093	-4.6759	-0.0436	0.2037
<i>Ardea alba</i>	6	0.0186	-3.9828	-0.0742	0.2956
<i>Egretta garzetta</i>	4	0.0124	-4.3883	-0.0545	0.2392
<i>Milvus migrans</i>	1	0.0031	-5.7746	-0.0179	0.1036
<i>Amaurornis phoenicurus</i>	4	0.0124	-4.3883	-0.0545	0.2392
<i>Gallinula chloropus</i>	4	0.0124	-4.3883	-0.0545	0.2392
<i>Himantopus himantopus</i>	40	0.1242	-2.0857	-0.2591	0.5404
<i>Charadrius dubius</i>	1	0.0031	-5.7746	-0.0179	0.1036
<i>Limosa limosa</i>	11	0.0342	-3.3767	-0.1154	0.3895
<i>Gallinago gallinago</i>	2	0.0062	-5.0814	-0.0316	0.1604
<i>Actitis hypoleucos</i>	1	0.0031	-5.7746	-0.0179	0.1036
<i>Tringa totanus</i>	38	0.1180	-2.1370	-0.2522	0.5389
<i>Tringa stagnatilis</i>	1	0.0031	-5.7746	-0.0179	0.1036
<i>Tringa erythropus</i>	1	0.0031	-5.7746	-0.0179	0.1036
<i>Tringa nebularia</i>	13	0.0404	-3.2096	-0.1296	0.4159
<i>Streptopelia decaocto</i>	6	0.0186	-3.9828	-0.0742	0.2956
<i>Spilopelia chinensis</i>	3	0.0093	-4.6759	-0.0436	0.2037
<i>Centropus sinensis</i>	1	0.0031	-5.7746	-0.0179	0.1036
<i>Eudynamis scolopaceus</i>	3	0.0093	-4.6759	-0.0436	0.2037
<i>Hierococcyx sparveroides</i>	3	0.0093	-4.6759	-0.0436	0.2037
<i>Otus lettia</i>	1	0.0031	-5.7746	-0.0179	0.1036
<i>Caprimulgus affinis</i>	2	0.0062	-5.0814	-0.0316	0.1604
<i>Halcyon smyrnensis</i>	2	0.0062	-5.0814	-0.0316	0.1604
<i>Alcedo atthis</i>	1	0.0031	-5.7746	-0.0179	0.1036
<i>Lanius schach</i>	1	0.0031	-5.7746	-0.0179	0.1036
<i>Cyanopica cyanus</i>	26	0.0807	-2.5165	-0.2032	0.5113
<i>Corvus torquatus</i>	1	0.0031	-5.7746	-0.0179	0.1036
<i>Corvus macrorhynchos</i>	1	0.0031	-5.7746	-0.0179	0.1036
<i>Parus minor</i>	2	0.0062	-5.0814	-0.0316	0.1604
<i>Pycnonotus jocosus</i>	6	0.0186	-3.9828	-0.0742	0.2956
<i>Pycnonotus sinensis</i>	3	0.0093	-4.6759	-0.0436	0.2037
<i>Hirundo rustica</i>	6	0.0186	-3.9828	-0.0742	0.2956
<i>Phylloscopus proregulus</i>	1	0.0031	-5.7746	-0.0179	0.1036
<i>Phylloscopus fuscatus</i>	4	0.0124	-4.3883	-0.0545	0.2392
<i>Prinia flaviventris</i>	3	0.0093	-4.6759	-0.0436	0.2037
<i>Prinia inornata</i>	11	0.0342	-3.3767	-0.1154	0.3895
<i>Orthotomus sutorius</i>	2	0.0062	-5.0814	-0.0316	0.1604
<i>Pterorhinus perspicillatus</i>	7	0.0217	-3.8286	-0.0832	0.3187
<i>Zosterops simplex</i>	6	0.0186	-3.9828	-0.0742	0.2956
<i>Acridotheres cristatellus</i>	9	0.0280	-3.5773	-0.1000	0.3577
<i>Gracupica nigricollis</i>	22	0.0683	-2.6835	-0.1833	0.4920
<i>Copsychus saularis</i>	3	0.0093	-4.6759	-0.0436	0.2037
<i>Saxicola stejnegeri</i>	2	0.0062	-5.0814	-0.0316	0.1604
<i>Passer montanus</i>	11	0.0342	-3.3767	-0.1154	0.3895
<i>Lonchura punctulata</i>	6	0.0186	-3.9828	-0.0742	0.2956
<i>Motacilla tschutschensis</i>	2	0.0062	-5.0814	-0.0316	0.1604
<i>Motacilla alba</i>	5	0.0155	-4.1651	-0.0647	0.2694

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Anthus richardi</i>	1	0.0031	-5.7746	-0.0179	0.1036
Total	322	1	-226.3460	-3.2905	11.9529
Richness	50				
SS	11.9529				
SQ	10.8271				
H	3.2905				
S ² H	0.0037				

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

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Tachybaptus ruficollis</i>	3	0.0196	-3.9318	-0.0771	0.3031
<i>Ardeola bacchus</i>	26	0.1699	-1.7723	-0.3012	0.5338
<i>Ardea cinerea</i>	3	0.0196	-3.9318	-0.0771	0.3031
<i>Ardea alba</i>	6	0.0392	-3.2387	-0.1270	0.4113
<i>Egretta garzetta</i>	4	0.0261	-3.6441	-0.0953	0.3472
<i>Milvus migrans</i>	1	0.0065	-5.0304	-0.0329	0.1654
<i>Himantopus himantopus</i>	40	0.2614	-1.3416	-0.3507	0.4705
<i>Charadrius dubius</i>	1	0.0065	-5.0304	-0.0329	0.1654
<i>Limosa limosa</i>	11	0.0719	-2.6325	-0.1893	0.4983
<i>Tringa totanus</i>	38	0.2484	-1.3929	-0.3459	0.4818
<i>Tringa stagnatilis</i>	1	0.0065	-5.0304	-0.0329	0.1654
<i>Tringa erythropus</i>	1	0.0065	-5.0304	-0.0329	0.1654
<i>Tringa nebularia</i>	13	0.0850	-2.4655	-0.2095	0.5165
<i>Centropus sinensis</i>	1	0.0065	-5.0304	-0.0329	0.1654
<i>Otus lettia</i>	1	0.0065	-5.0304	-0.0329	0.1654
<i>Halcyon smyrnensis</i>	2	0.0131	-4.3373	-0.0567	0.2459
<i>Corvus torquatus</i>	1	0.0065	-5.0304	-0.0329	0.1654
Total	153	1	-63.9016	-2.0599	5.2693
Richness	17				
SS	5.2693				
SQ	4.2433				
H	2.0599				
S ² H	0.00705				

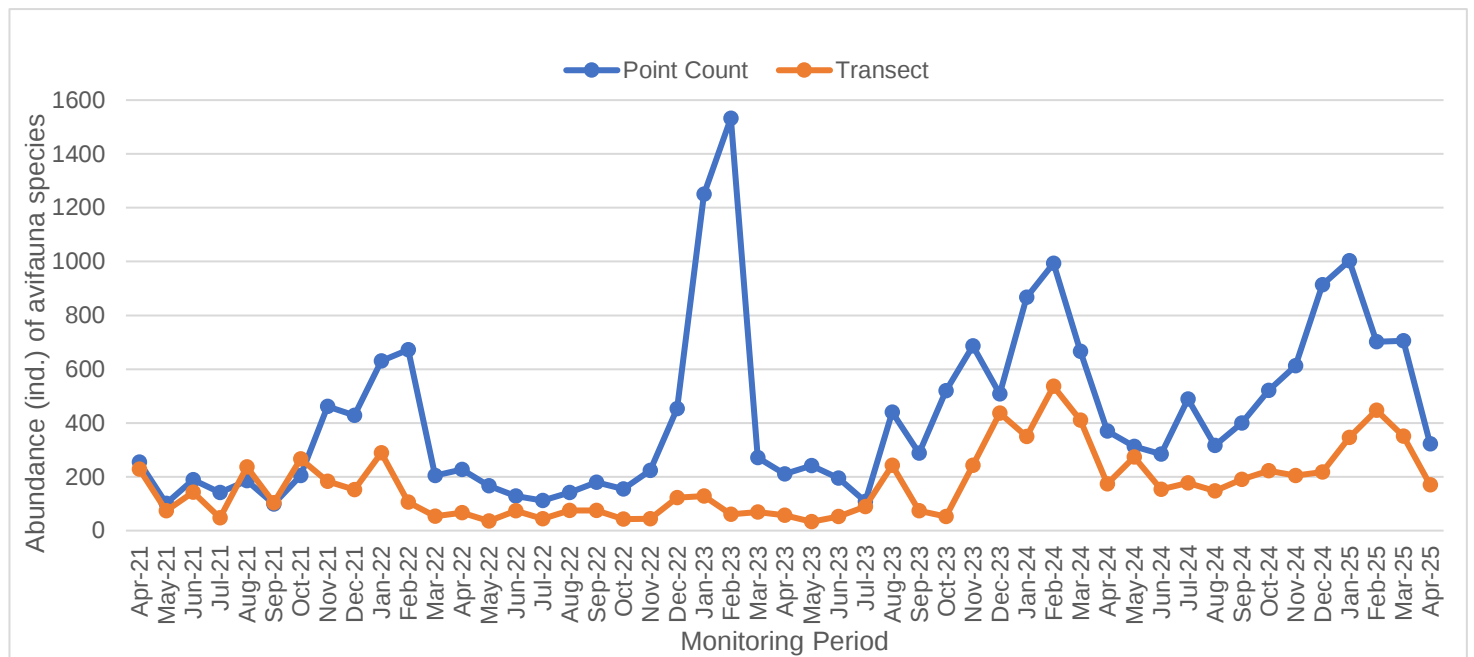
**Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method)
in All Habitats (14 April & 16 April 2025)**

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Tachybaptus ruficollis</i>	2	0.0118	-4.4427	-0.0523	0.2322
<i>Nycticorax nycticorax</i>	1	0.0059	-5.1358	-0.0302	0.1552
<i>Ardeola bacchus</i>	5	0.0294	-3.5264	-0.1037	0.3657
<i>Ardea cinerea</i>	1	0.0059	-5.1358	-0.0302	0.1552
<i>Ardea alba</i>	1	0.0059	-5.1358	-0.0302	0.1552
<i>Egretta garzetta</i>	6	0.0353	-3.3440	-0.1180	0.3947
<i>Milvus migrans</i>	4	0.0235	-3.7495	-0.0882	0.3308
<i>Amaurornis phoenicurus</i>	1	0.0059	-5.1358	-0.0302	0.1552
<i>Gallinula chloropus</i>	4	0.0235	-3.7495	-0.0882	0.3308
<i>Himantopus himantopus</i>	21	0.1235	-2.0913	-0.2583	0.5402
<i>Recurvirostra avosetta</i>	22	0.1294	-2.0448	-0.2646	0.5411
<i>Limosa limosa</i>	3	0.0176	-4.0372	-0.0712	0.2876
<i>Actitis hypoleucos</i>	1	0.0059	-5.1358	-0.0302	0.1552
<i>Tringa totanus</i>	12	0.0706	-2.6509	-0.1871	0.4960
<i>Tringa nebularia</i>	7	0.0412	-3.1899	-0.1313	0.4190
<i>Spilopelia chinensis</i>	5	0.0294	-3.5264	-0.1037	0.3657
<i>Centropus sinensis</i>	1	0.0059	-5.1358	-0.0302	0.1552
<i>Glaucidium cuculoides</i>	1	0.0059	-5.1358	-0.0302	0.1552
<i>Caprimulgus affinis</i>	2	0.0118	-4.4427	-0.0523	0.2322
<i>Cyanopica cyanus</i>	11	0.0647	-2.7379	-0.1772	0.4850
<i>Parus minor</i>	4	0.0235	-3.7495	-0.0882	0.3308
<i>Pycnonotus jocosus</i>	4	0.0235	-3.7495	-0.0882	0.3308
<i>Pycnonotus sinensis</i>	7	0.0412	-3.1899	-0.1313	0.4190
<i>Phylloscopus inornatus</i>	1	0.0059	-5.1358	-0.0302	0.1552
<i>Phylloscopus proregulus</i>	1	0.0059	-5.1358	-0.0302	0.1552
<i>Phylloscopus fuscatus</i>	1	0.0059	-5.1358	-0.0302	0.1552
<i>Prinia inornata</i>	4	0.0235	-3.7495	-0.0882	0.3308
<i>Pterorhinus perspicillatus</i>	9	0.0529	-2.9386	-0.1556	0.4572
<i>Zosterops simplex</i>	4	0.0235	-3.7495	-0.0882	0.3308
<i>Acridotheres cristatellus</i>	11	0.0647	-2.7379	-0.1772	0.4850
<i>Gracupica nigricollis</i>	7	0.0412	-3.1899	-0.1313	0.4190
<i>Copsychus saularis</i>	3	0.0176	-4.0372	-0.0712	0.2876
<i>Saxicola stejnegeri</i>	1	0.0059	-5.1358	-0.0302	0.1552
<i>Motacilla tschutschensis</i>	1	0.0059	-5.1358	-0.0302	0.1552
<i>Motacilla alba</i>	1	0.0059	-5.1358	-0.0302	0.1552
Total	170	1	-141.3898	-3.1086	10.4292
Richness	35				
SS	10.4292				
SQ	9.6632				
H	3.1086				
S ² H	0.005094				

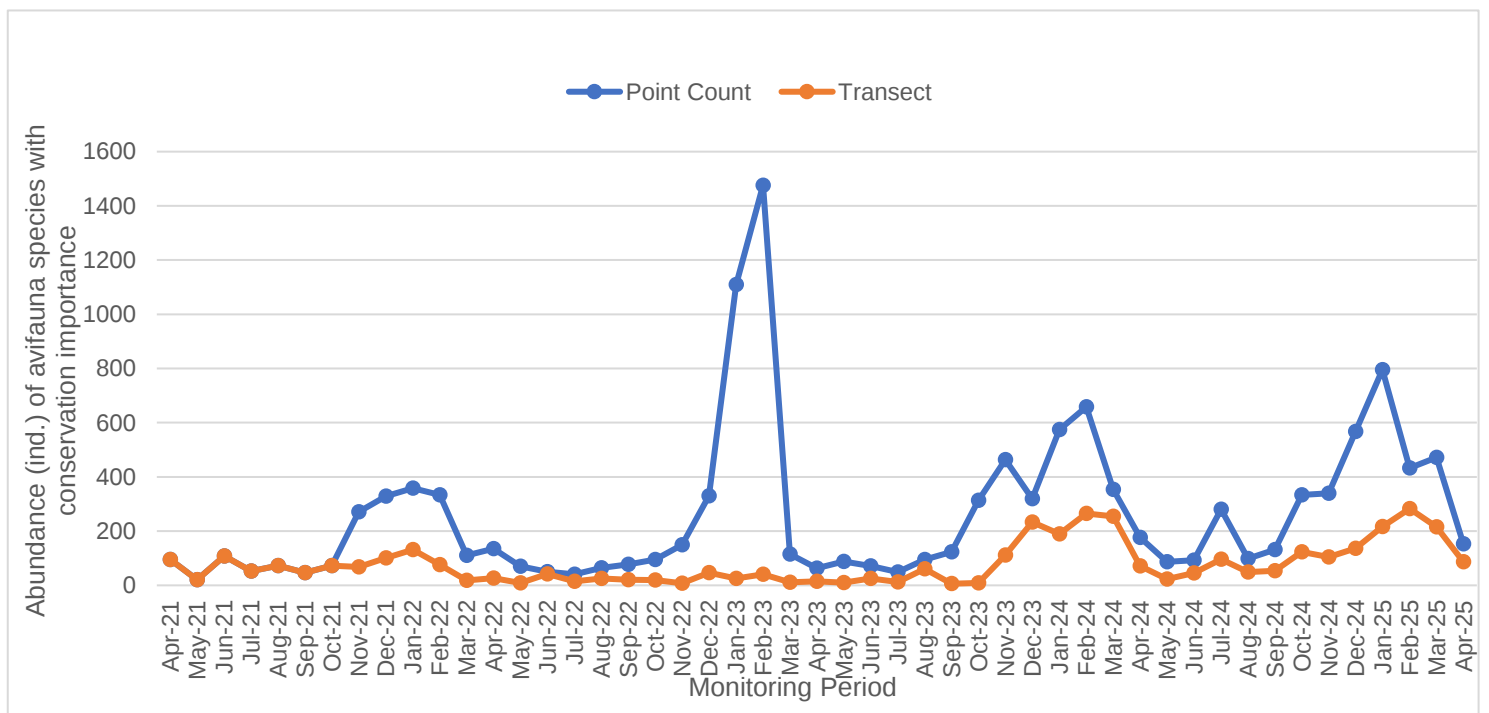
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (14 April & 16 April 2025)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Tachybaptus ruficollis</i>	2	0.0230	-3.7728	-0.0867	0.3272
<i>Nycticorax nycticorax</i>	1	0.0115	-4.4659	-0.0513	0.2292
<i>Ardeola bacchus</i>	5	0.0575	-2.8565	-0.1642	0.4689
<i>Ardea cinerea</i>	1	0.0115	-4.4659	-0.0513	0.2292
<i>Ardea alba</i>	1	0.0115	-4.4659	-0.0513	0.2292
<i>Egretta garzetta</i>	6	0.0690	-2.6741	-0.1844	0.4932
<i>Milvus migrans</i>	4	0.0460	-3.0796	-0.1416	0.4360
<i>Himantopus himantopus</i>	21	0.2414	-1.4214	-0.3431	0.4877
<i>Recurvirostra avosetta</i>	22	0.2529	-1.3749	-0.3477	0.4780
<i>Limosa limosa</i>	3	0.0345	-3.3673	-0.1161	0.3910
<i>Tringa totanus</i>	12	0.1379	-1.9810	-0.2732	0.5413
<i>Tringa nebularia</i>	7	0.0805	-2.5200	-0.2028	0.5110
<i>Centropus sinensis</i>	1	0.0115	-4.4659	-0.0513	0.2292
<i>Glaucidium cuculoides</i>	1	0.0115	-4.4659	-0.0513	0.2292
Total	87	1	-45.3771	-2.1164	5.2805
Richness	14				
SS	5.2805				
SQ	4.4793				
H	2.1164				
S ² H	0.01007				

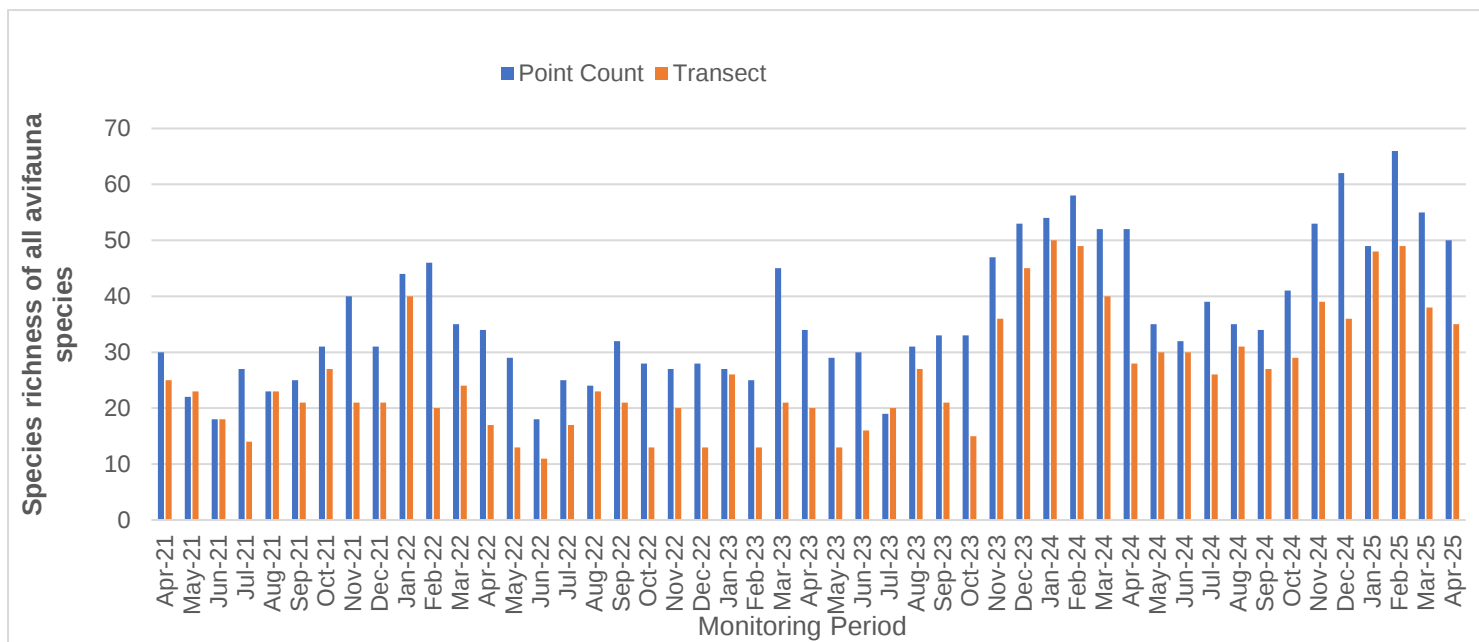
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



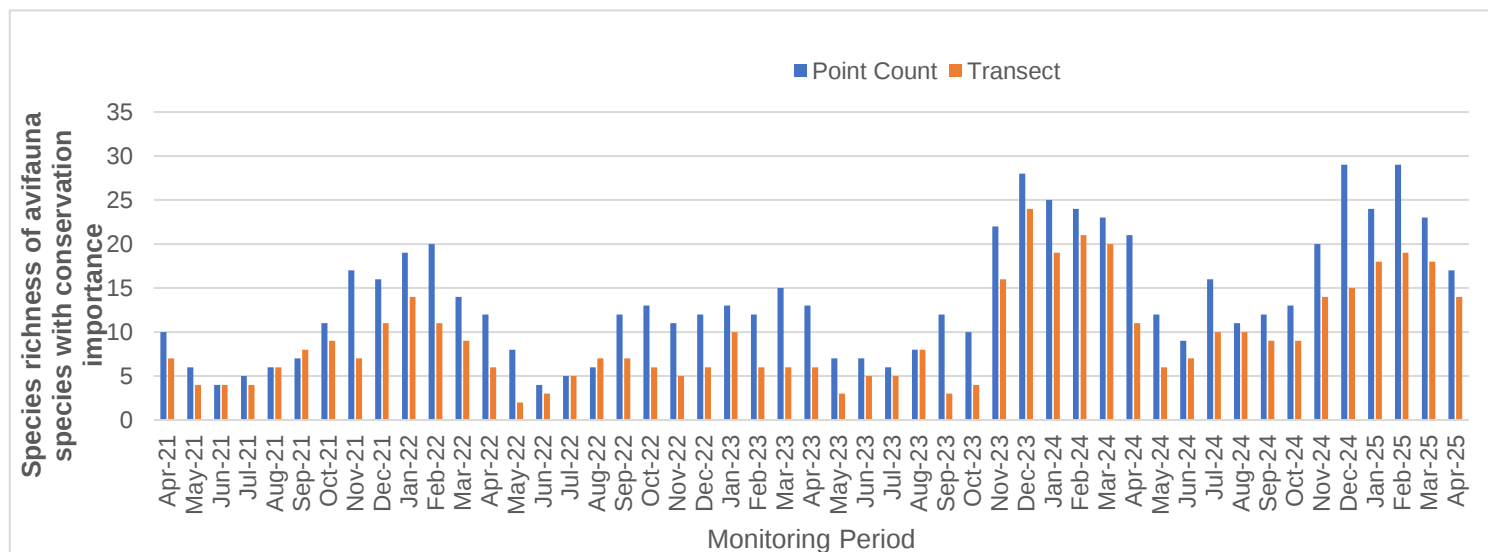
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



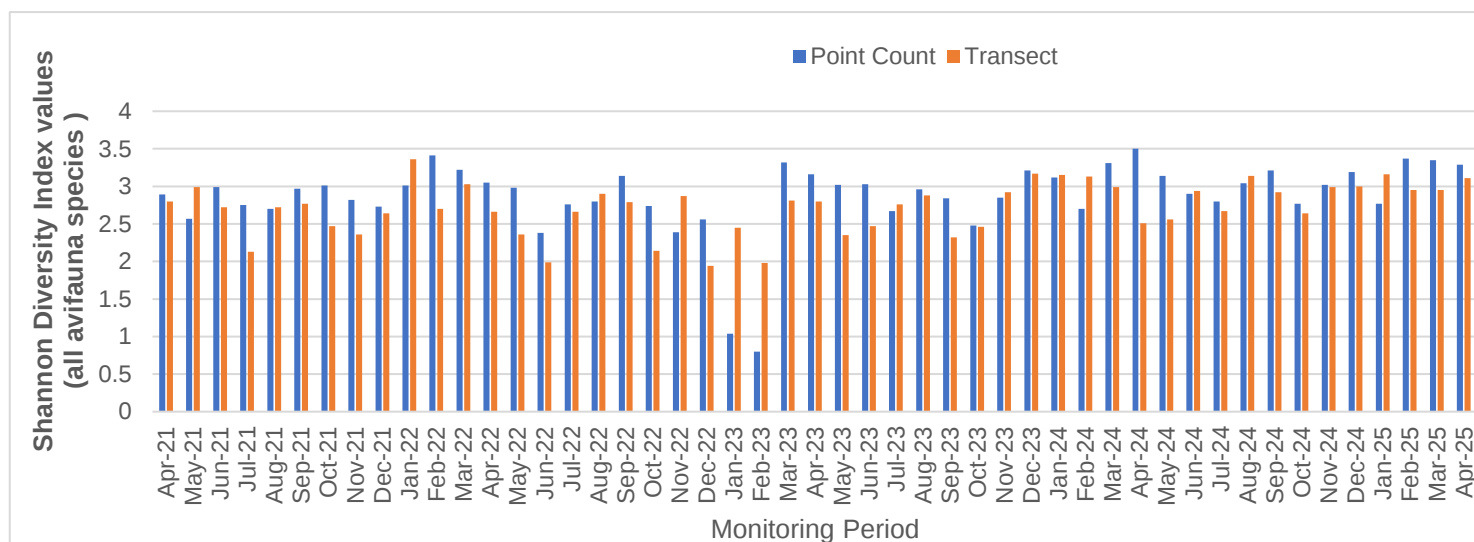
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



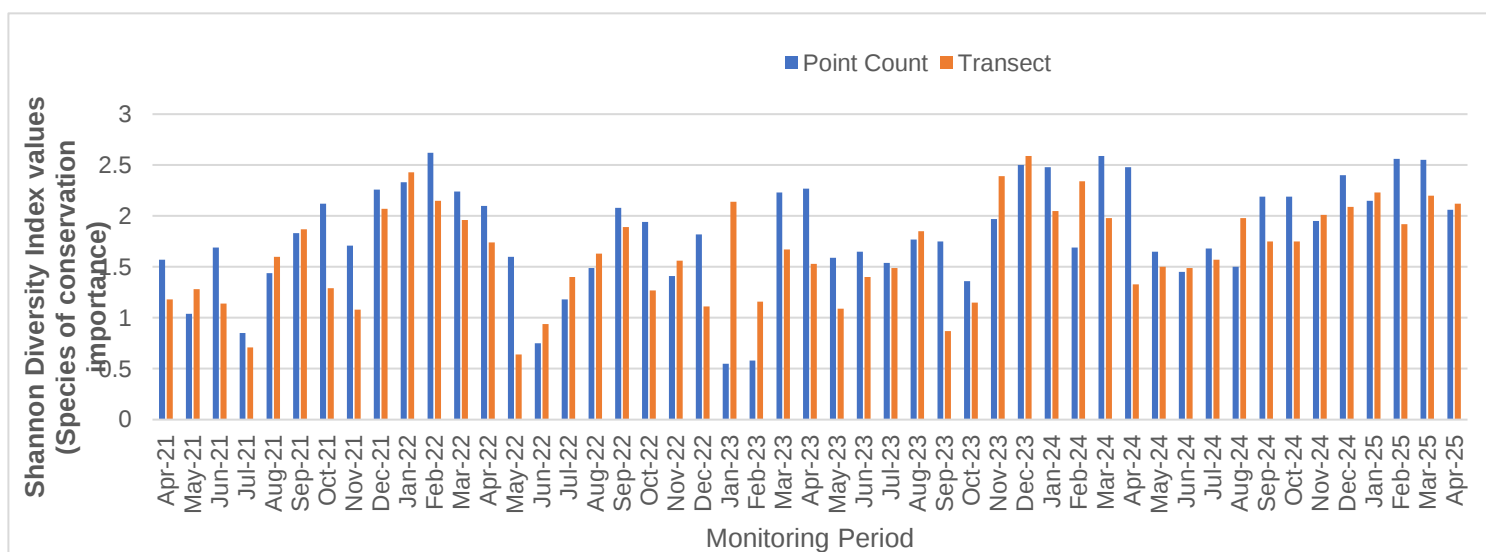
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



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	April 2017	April 2025
Total	298	322
Richness	41	50
H	3.1636	3.2905
S ² H	0.003400	0.003733
t	1.5016	
df	619.9608	
Crit	1.9638	
p	1.34E-01	
CI	0.1166	0.1222

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

Months	April 2017	April 2025
Total	47	170
Richness	13	35
H	2.0956	3.1086
S ² H	0.02240	0.005094
t	6.1091	
df	69.8099	
Crit	1.9949	
p	5.24E-08	
CI	0.2993	0.1427

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

Months	April 2017	April 2025
Total	200	153
Richness	13	17
H	2.2415	2.0599
S ² H	0.002200	0.007048
t	1.8879	
df	245.1508	
Crit	1.9697	
p	6.02E-02	
CI	0.0938	0.1679

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

Months	April 2017	April 2025
Total	1	87
Richness	1	14
H	0.0000	2.1164
S ² H	0.00000	0.01007
t	21.0935	
df	87.0000	
Crit	1.9876	
p	5.79E-36	
CI	0.0000	0.2007