

# Air Quality Monitoring Results

**1-hour TSP Monitoring Result for**

**Contract No. SPW 02/2023**

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

**AM1 - Topfine Machinery (China) Co. Ltd.**

Date	Weather Condition	Start Time	1-hour TSP ( $\mu\text{g}/\text{m}^3$ )			Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
			1st Measurement	2nd Measurement	3rd Measurement		
1/02/2024	sunny	9:10	59	60	58	291	500
5/02/2024	sunny	8:22	56	58	56		
9/02/2024	sunny	9:33	56	60	59		
15/02/2024	sunny	9:16	57	59	57		
21/02/2024	sunny	8:33	59	60	60		
27/02/2024	sunny	9:21	60	61	61		
		Min	56				
		Max	61				
		Average	59				

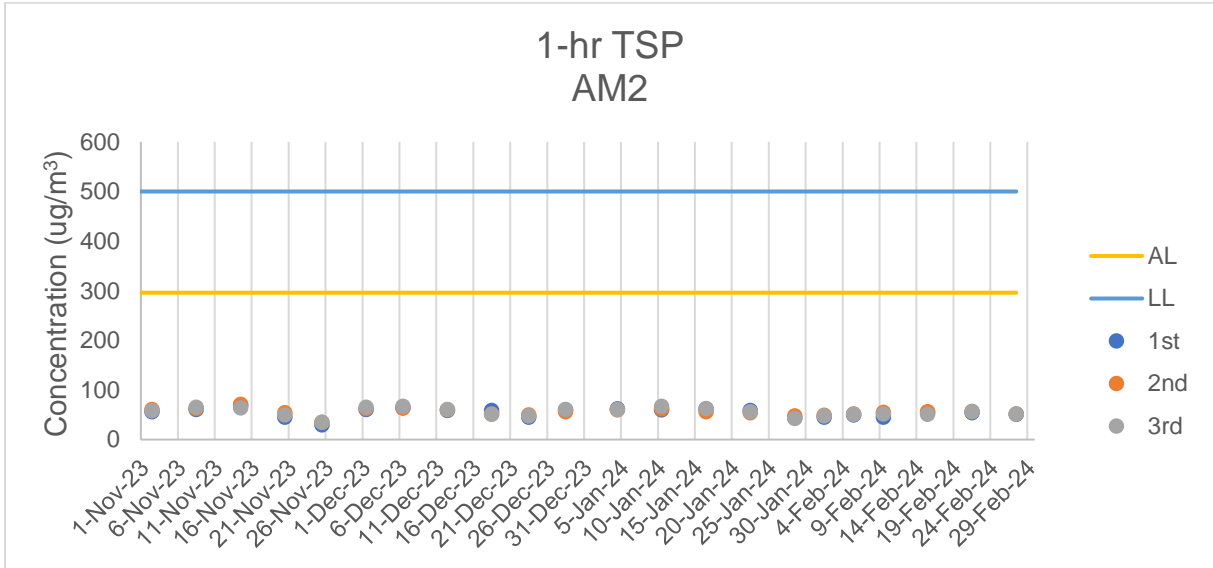
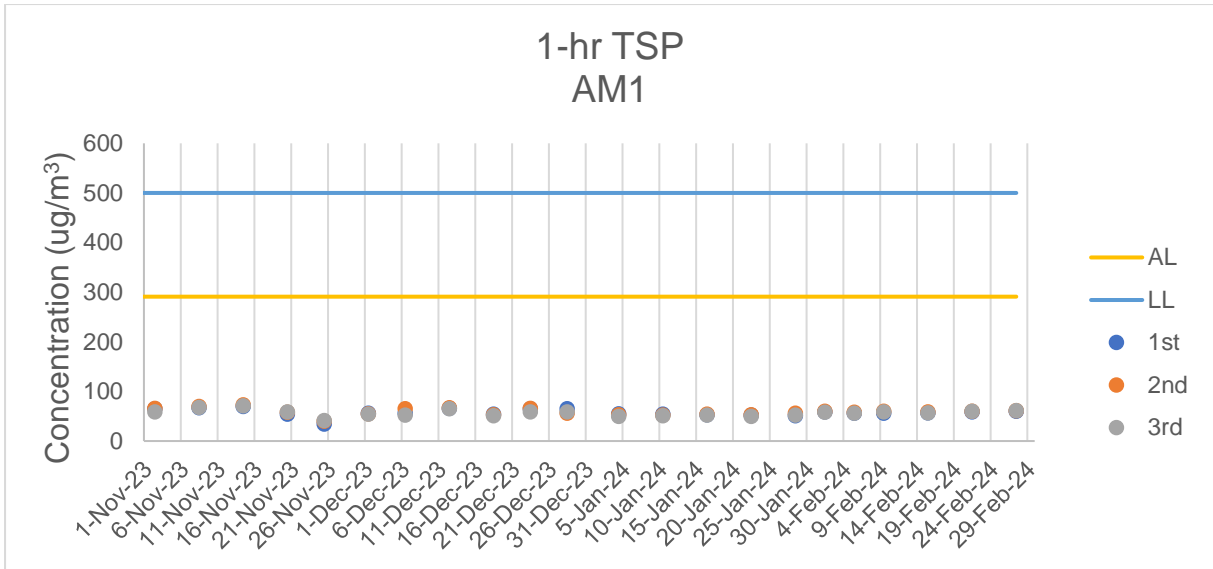
**AM2 - Squatter house at the west of Yuen Long STW**

Date	Weather Condition	Start Time	1-hour TSP ( $\mu\text{g}/\text{m}^3$ )			Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
			1st Measurement	2nd Measurement	3rd Measurement		
1/02/2024	sunny	13:21	45	49	48	296	500
5/02/2024	sunny	13:22	50	52	51		
9/02/2024	sunny	13:44	45	55	52		
15/02/2024	sunny	14:21	55	56	51		
21/02/2024	sunny	13:01	54	57	56		
27/02/2024	sunny	13:22	51	52	52		
		Min	45				
		Max	57				
		Average	52				

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 <sub>eq</sub> 30min dB(A)	L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
1/02/2024	10:13	62.3	64.4	58.4	0.3	sunny	75
5/02/2024	10:31	62.3	63.9	58.1	1.8	sunny	75
15/02/2024	11:14	64.4	66.3	59.1	3.4	sunny	75
21/02/2024	09:57	63.1	65.4	58.3	3.1	sunny	75
27/02/2024	10:23	63.5	66.6	58	2.5	sunny	75
	<b>Max</b>	64.4					
	<b>Min</b>	62.3					

**CM2 - Squatter house to the west of YLSTW**

Date	Start Time	L <sub>eq</sub> 30min dB(A)	L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
1/02/2024	13:21	61.1	64.5	58.2	2.2	sunny	75
5/02/2024	13:22	62.1	65.4	57.5	1.9	sunny	75
15/02/2024	14:21	62.9	65.9	59.2	2	sunny	75
21/02/2024	13:01	61.4	64.5	58.3	4	sunny	75
27/02/2024	13:22	63.1	66.3	57.2	2.1	sunny	75
	<b>Max</b>	63.1					
	<b>Min</b>	61.1					

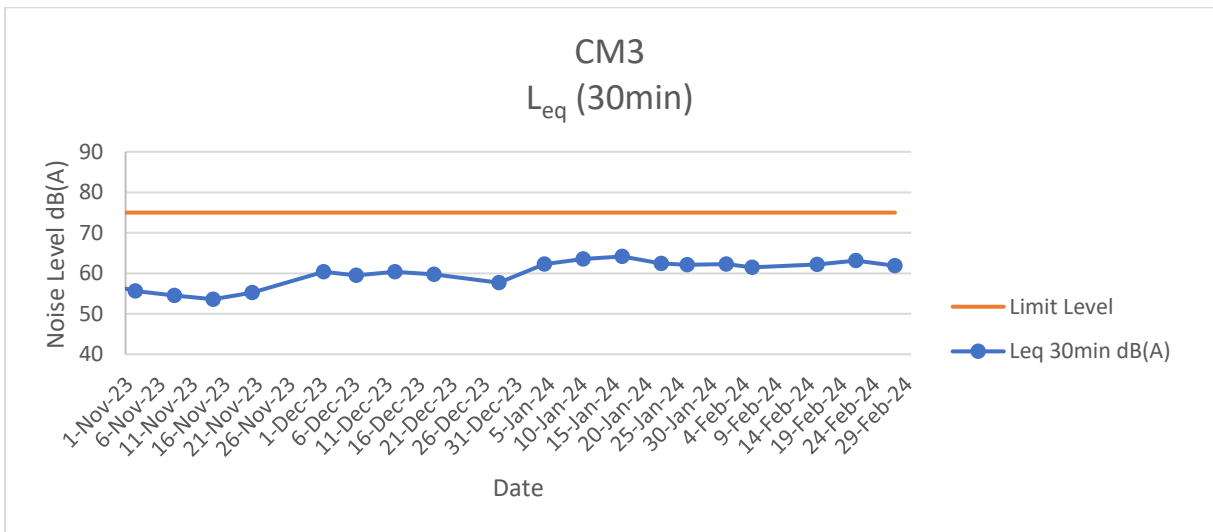
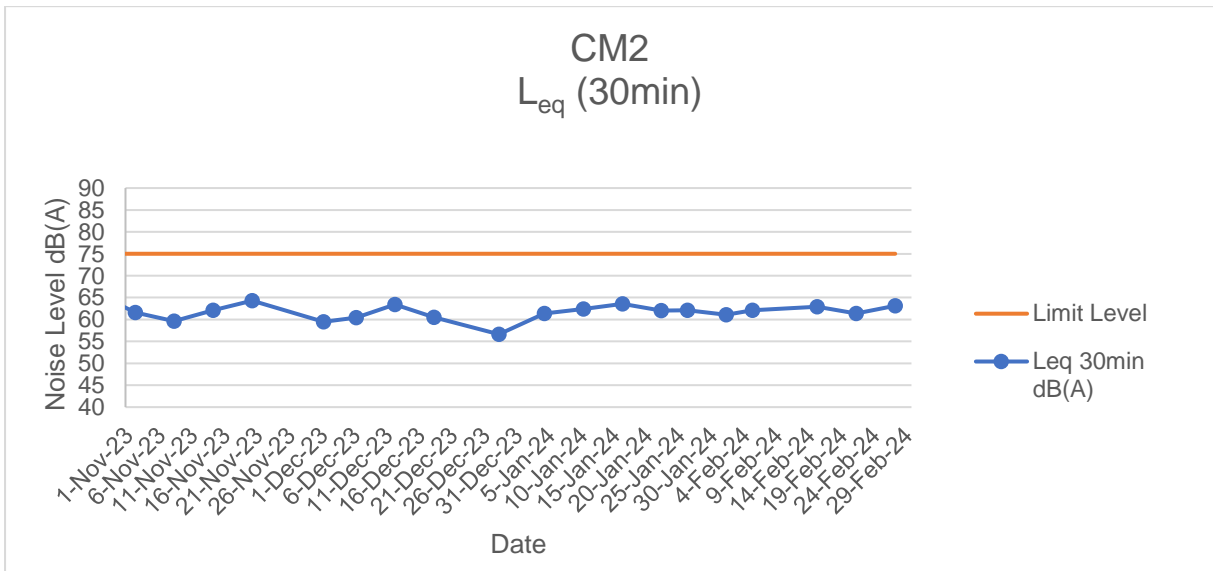
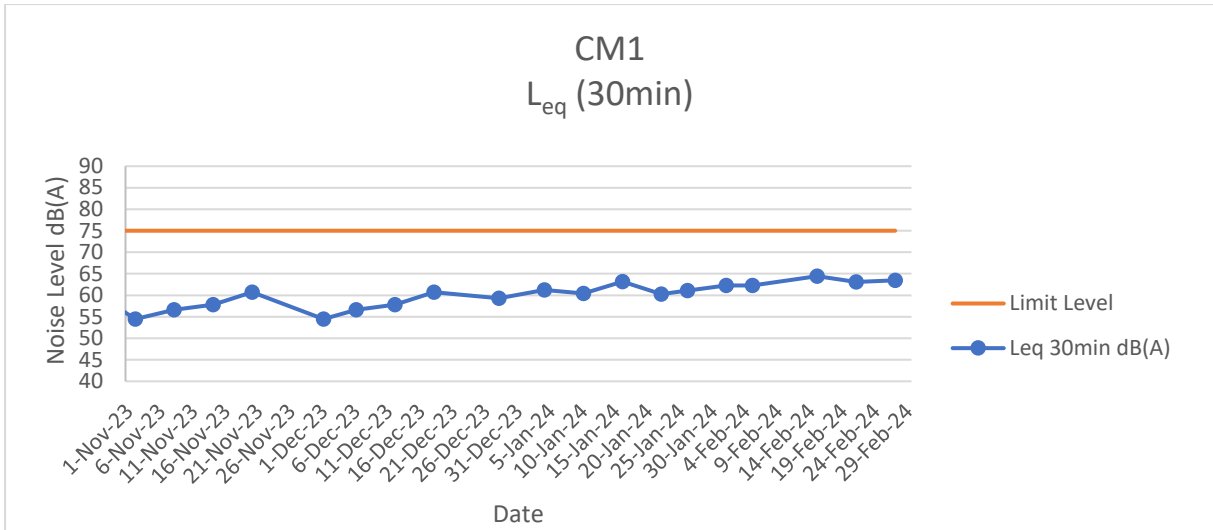
**CM3 - Squatter house to the east of YLSTW**

Date	Start Time	L <sub>eq</sub> 30min dB(A)	L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
1/02/2024	14:41	62.3	65.2	58.6	3.4	sunny	75
5/02/2024	14:56	61.5	64.9	57.5	1.8	sunny	75
15/02/2024	15:17	62.2	66.5	58.2	2.4	sunny	75
21/02/2024	14:06	63.1	67.2	57.2	3.7	sunny	75
27/02/2024	14:38	61.9	65.3	56.5	3.6	sunny	75
	<b>Max</b>	63.1					
	<b>Min</b>	61.5					

Note:

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

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



**Noise Monitoring Results**

# Water Quality Monitoring Results

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	2/02/2024	Mid-Flood	Cloudy	Low	17:56	2.7	M	1.35	1	0.085	166.334	7.26	7.26	3.44	3.47	20.9	20.90	35.6	35.44	2.68	2.67	22.40	22.425	36	37
M1	2/02/2024	Mid-Flood	Cloudy	Low	17:57	2.7	M	1.35	2			7.26		3.5		20.9		35.2		2.65		22.45		37	
M2	2/02/2024	Mid-Flood	Cloudy	Low	18:24	2.4	M	1.20	1	0.073	181.045	7.24	7.25	3.35	3.37	20.9	20.95	34.8	34.51	2.62	2.60	18.59	18.4	28	28
M2	2/02/2024	Mid-Flood	Cloudy	Low	18:24	2.4	M	1.20	2			7.26		3.38		21		34.2		2.57		18.21		27	
M3	2/02/2024	Mid-Flood	Cloudy	Low	18:11	2.2	M	1.10	1	0.074	179.863	7.22	7.23	3.60	3.56	20.9	20.90	36.3	35.84	3.46	3.41	33.90	34.04	46	47
M3	2/02/2024	Mid-Flood	Cloudy	Low	18:13	2.2	M	1.10	2			7.24		3.52		20.9		35.4		3.35		34.18		47	
M1	2/02/2024	Mid-Ebb	Cloudy	Low	12:01	2.4	M	1.20	1	0.075	337.86	7.2	7.21	3.30	3.34	21.1	21.15	34.0	34.11	2.56	2.57	19.55	19.6	39	39
M1	2/02/2024	Mid-Ebb	Cloudy	Low	12:01	2.4	M	1.20	2			7.21		3.37		21.2		34.2		2.57		19.65		38	
M2	2/02/2024	Mid-Ebb	Cloudy	Low	11:35	2.2	M	1.10	1	0.079	332.992	7.18	7.17	3.30	3.26	21.1	21.15	36.0	35.98	2.71	2.71	16.71	16.6	32	37
M2	2/02/2024	Mid-Ebb	Cloudy	Low	11:36	2.2	M	1.10	2			7.16		3.21		21.2		35.9		2.7		16.49		42	
M3	2/02/2024	Mid-Ebb	Cloudy	Low	12:12	2	M	1.00	1	0.064	321.294	7.18	7.18	3.21	3.26	21.1	21.10	36.7	35.71	3.58	3.58	36.89	36.95	33	31
M3	2/02/2024	Mid-Ebb	Cloudy	Low	12:12	2	M	1.00	2			7.17		3.3		21.1		34.7		3.58		37.01		28	

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	5/02/2024	Mid-Flood	Cloudy	Low	18:01	2.4	M	1.20	1	0.081	177.548	7.16	7.15	6.17	6.17	20.9	20.95	44.0	44.62	3.31	3.36	18.92	18.925	18	17
												7.14				6.16				21				45.2	
M2	5/02/2024	Mid-Flood	Cloudy	Low	18:25	2.1	M	1.05	1	0.085	174.572	7.18	7.18	7.48	7.48	20.9	20.90	48.5	48.88	3.65	3.68	12.83	13	17	16
M2	5/02/2024	Mid-Flood	Cloudy	Low	18:25	2.1	M	1.05	2							7.17				7.48				20.9	
M3	5/02/2024	Mid-Flood	Cloudy	Low	18:44	1.9	M	0.95	1	0.09	161.356	7.18	7.18	6.69	6.69	20.9	20.90	46.9	47.55	3.53	3.58	28.66	28.45	17	19
M3	5/02/2024	Mid-Flood	Cloudy	Low	18:45	1.9	M	0.95	2							7.18				6.68				20.9	
M1	5/02/2024	Mid-Ebb	Cloudy	Low	9:19	2.4	M	1.20	1	0.061	330.207	7.13	7.14	6.04	6.05	21.0	21.00	43.2	42.49	3.25	3.20	18.61	18.745	18	18
M1	5/02/2024	Mid-Ebb	Cloudy	Low	9:20	2.4	M	1.20	2							7.14				6.06				21	
M2	5/02/2024	Mid-Ebb	Cloudy	Low	8:49	2.2	M	1.10	1	0.078	324.869	7.15	7.15	6.20	6.21	21.0	21.00	42.0	41.43	3.16	3.12	10.68	10.685	14	14
M2	5/02/2024	Mid-Ebb	Cloudy	Low	8:49	2.2	M	1.10	2							7.14				6.22				21	
M3	5/02/2024	Mid-Ebb	Cloudy	Low	9:28	2	M	1.00	1	0.073	319.308	7.17	7.17	6.32	6.28	21.0	21.00	43.6	44.02	3.58	3.58	31.45	31.24	9	9
M3	5/02/2024	Mid-Ebb	Cloudy	Low	9:28	2	M	1.00	2							7.16				6.23				21	

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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	7/02/2024	Mid-Flood	Cloudy	Low	11:55	2.6	M	1.30	1	0.076	184.276	7.08	7.07	7.66	7.65	21.2	21.25	41.9	40.90	3.15	3.08	11.22	11.055	23	20
M1	7/02/2024	Mid-Flood	Cloudy	Low	11:56	2.6	M	1.30	2			7.06		7.63		21.3		39.9		3		10.89		16	
M2	7/02/2024	Mid-Flood	Cloudy	Low	12:24	2.3	M	1.15	1	0.09	169.258	7.11	7.11	7.86	7.86	21.2	21.25	41.6	41.96	3.13	3.16	10.75	10.67	13	12
M2	7/02/2024	Mid-Flood	Cloudy	Low	12:25	2.3	M	1.15	2			7.1		7.86		21.3		42.3		3.18		10.59		10	
M3	7/02/2024	Mid-Flood	Cloudy	Low	12:41	2.1	M	1.05	1	0.074	161.531	7.08	7.08	7.41	7.38	21.2	21.25	38.7	38.84	3.67	3.69	29.75	29.84	10	15
M3	7/02/2024	Mid-Flood	Cloudy	Low	12:41	2.1	M	1.05	2			7.08		7.35		21.3		39.0		3.71		29.93		19	
M1	7/02/2024	Mid-Ebb	Cloudy	Low	9:58	2.5	M	1.25	1	0.069	323.895	7.13	7.13	7.42	7.39	21.4	21.45	40.8	40.17	3.07	3.02	14.31	14.17	22	18
M1	7/02/2024	Mid-Ebb	Cloudy	Low	9:59	2.5	M	1.25	2			7.13		7.35		21.5		39.5		2.97		14.03		14	
M2	7/02/2024	Mid-Ebb	Cloudy	Low	9:30	2.4	M	1.20	1	0.065	308.871	7.12	7.13	7.37	7.42	21.4	21.40	41.9	41.83	3.15	3.15	10.81	10.98	16	14
M2	7/02/2024	Mid-Ebb	Cloudy	Low	9:31	2.4	M	1.20	2			7.14		7.46		21.4		41.8		3.14		11.15		11	
M3	7/02/2024	Mid-Ebb	Cloudy	Low	9:48	2.4	M	1.20	1	0.063	342.093	7.11	7.10	7.31	7.27	21.4	21.45	43.6	42.69	3.48	3.48	31.24	31.045	15	14
M3	7/02/2024	Mid-Ebb	Cloudy	Low	9:48	2.4	M	1.20	2			7.09		7.22		21.5		41.8		3.48		30.85		13	

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	9/02/2024	Mid-Flood	Cloudy	Low	13:16	2.4	M	1.20	1	0.082	173.487	7.1	7.11	7.05	7.02	21.0	21.00	40.8	40.96	3.07	3.08	16.33	16.465	10	18
M1	9/02/2024	Mid-Flood	Cloudy	Low	13:17	2.4	M	1.20	2			7.12		6.99		21		41.1		3.09		16.6		25	
M2	9/02/2024	Mid-Flood	Cloudy	Low	13:44	2.1	M	1.05	1	0.076	172.265	7.18	7.17	5.94	5.94	21.0	21.00	40.7	40.90	3.06	3.08	21.28	21.225	28	29
M2	9/02/2024	Mid-Flood	Cloudy	Low	13:44	2.1	M	1.05	2			7.16		5.93		21		41.1		3.09		21.17		30	
M3	9/02/2024	Mid-Flood	Cloudy	Low	13:49	2	M	1.00	1	0.095	162.889	7.16	7.17	6.34	6.38	21.0	21.00	39.5	39.10	3.48	3.42	31.62	31.445	32	28
M3	9/02/2024	Mid-Flood	Cloudy	Low	13:50	2	M	1.00	2			7.18		6.41		21.0		38.7		3.36		31.27		23	
M1	9/02/2024	Mid-Ebb	Cloudy	Low	8:41	2.4	M	1.20	1	0.081	314.678	7.07	7.08	9.02	9.01	20.8	20.80	38.7	38.24	2.91	2.88	10.65	10.495	20	25
M1	9/02/2024	Mid-Ebb	Cloudy	Low	8:41	2.4	M	1.20	2			7.08		9.00		20.8		37.8		2.84		10.34		30	
M2	9/02/2024	Mid-Ebb	Cloudy	Low	8:13	2.1	M	1.05	1	0.077	339.808	7.08	7.08	8.85	8.90	20.8	20.80	37.9	38.24	2.85	2.88	11.58	11.4	32	29
M2	9/02/2024	Mid-Ebb	Cloudy	Low	8:14	2.1	M	1.05	2			7.08		8.94		20.8		38.6		2.9		11.22		26	
M3	9/02/2024	Mid-Ebb	Cloudy	Low	8:33	1.9	M	0.95	1	0.07	318.126	7.12	7.12	6.41	6.44	20.8	20.85	41.0	41.70	3.67	3.67	26.63	26.59	33	30
M3	9/02/2024	Mid-Ebb	Cloudy	Low	8:33	1.9	M	0.95	2			7.12		6.46		20.9		42.4		3.67		26.55		26	

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

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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	12/02/2024	Mid-Flood	Cloudy	Low	15:26	2.4	M	1.20	1	0.081	165.007	7.07	7.06	9.27	9.26	21.2	21.25	39.6	39.37	2.98	2.96	11.06	10.975	25	26
M1	12/02/2024	Mid-Flood	Cloudy	Low	15:26	2.4	M	1.20	2			7.05				9.24				21.3				39.1	
M2	12/02/2024	Mid-Flood	Cloudy	Low	15:59	1.8	M	0.90	1	0.073	174.053	7.1	7.11	6.80	6.81	21.2	21.20	38.2	37.17	2.87	2.80	18.48	18.43	34	28
M2	12/02/2024	Mid-Flood	Cloudy	Low	16:00	1.8	M	0.90	2							7.11				6.81				21.2	
M3	12/02/2024	Mid-Flood	Cloudy	Low	16:11	1.7	M	0.85	1	0.081	183.585	7.17	7.17	8.45	8.48	21.2	21.25	37.0	36.24	3.67	3.69	34.56	34.425	29	25
M3	12/02/2024	Mid-Flood	Cloudy	Low	16:11	1.7	M	0.85	2							7.16				8.51				21.3	
M1	12/02/2024	Mid-Ebb	Cloudy	Low	10:12	2.5	M	1.25	1	0.074	301.745	7.1	7.09	7.65	7.63	21.4	21.45	40.7	41.16	3.06	3.10	18.48	18.39	29	32
M1	12/02/2024	Mid-Ebb	Cloudy	Low	10:13	2.5	M	1.25	2							7.08				7.61				21.5	
M2	12/02/2024	Mid-Ebb	Cloudy	Low	9:47	2.3	M	1.15	1	0.072	327.362	7.07	7.07	8.89	8.90	21.4	21.40	42.0	41.10	3.16	3.09	11.57	11.555	35	30
M2	12/02/2024	Mid-Ebb	Cloudy	Low	9:48	2.3	M	1.15	2							7.07				8.90				21.4	
M3	12/02/2024	Mid-Ebb	Cloudy	Low	10:25	2.2	M	1.10	1	0.066	334.203	7.19	7.20	8.49	8.49	21.4	21.45	41.0	40.03	3.73	3.68	30.88	30.7	15	13
M3	12/02/2024	Mid-Ebb	Cloudy	Low	10:25	2.2	M	1.10	2							7.21				8.48				21.5	

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	14/02/2024	Mid-Flood	Sunny	Low	16:35	2.5	M	1.25	1	0.08	183.701	7.09	7.08	6.29	6.30	20.8	20.80	41.0	41.03	3.08	3.09	15.56	15.715	32	34
M1	14/02/2024	Mid-Flood	Sunny	Low	16:35	2.5	M	1.25	2			7.07		6.31		20.8		41.1		3.09		15.87		36	
M2	14/02/2024	Mid-Flood	Sunny	Low	17:01	2.2	M	1.10	1	0.075	189.386	7.1	7.10	6.79	6.78	20.8	20.80	40.6	39.97	3.05	3.01	20.06	19.95	46	38
M2	14/02/2024	Mid-Flood	Sunny	Low	17:02	2.2	M	1.10	2			7.09		6.77		20.8		39.4		2.96		19.84		30	
M3	14/02/2024	Mid-Flood	Sunny	Low	17:07	2.3	M	1.15	1	0.087	182.918	7.18	7.17	7.31	7.27	20.8	20.80	37.6	37.71	3.67	3.72	26.88	26.77	39	44
M3	14/02/2024	Mid-Flood	Sunny	Low	17:08	2.3	M	1.15	2			7.16		7.23		20.8		37.8		3.76		26.66		48	
M1	14/02/2024	Mid-Ebb	Sunny	Low	10:58	2.4	M	1.20	1	0.066	337.031	7.04	7.03	6.48	6.51	20.8	20.85	40.7	41.23	3.06	3.10	12.32	12.39	26	31
M1	14/02/2024	Mid-Ebb	Sunny	Low	10:58	2.4	M	1.20	2			7.02		6.54		20.9		41.8		3.14		12.46		35	
M2	14/02/2024	Mid-Ebb	Sunny	Low	10:32	2.2	M	1.10	1	0.059	306.207	7.1	7.11	6.43	6.43	20.8	20.85	39.8	39.30	2.99	2.96	19.59	19.555	38	37
M2	14/02/2024	Mid-Ebb	Sunny	Low	10:33	2.2	M	1.10	2			7.11		6.42		20.9		38.8		2.92		19.52		35	
M3	14/02/2024	Mid-Ebb	Sunny	Low	11:05	2.1	M	1.05	1	0.061	326.472	7.07	7.07	6.88	6.89	20.8	20.85	38.0	37.64	3.55	3.52	31.87	31.71	29	26
M3	14/02/2024	Mid-Ebb	Sunny	Low	11:05	2.1	M	1.05	2			7.07		6.89		20.9		37.2		3.48		31.55		22	

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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	16/02/2024	Mid-Flood	Cloudy	Low	18:02	2.6	M	1.30	1	0.079	173.816	7.07	7.07	8.51	8.47	22.4	22.45	40.4	39.70	3.04	2.99	11.49	11.3	33	34
M1	16/02/2024	Mid-Flood	Cloudy	Low	18:02	2.6	M	1.30	2			7.07	7.08	8.42	8.47	22.5	22.45	39.0	39.70	2.93	2.99	11.11	11.3	34	34
M2	16/02/2024	Mid-Flood	Cloudy	Low	18:31	2.2	M	1.10	1	0.092	175.153	7.07	7.08	9.73	9.69	22.4	22.40	43.6	43.03	3.28	3.24	12.73	12.86	35	32
M2	16/02/2024	Mid-Flood	Cloudy	Low	18:32	2.2	M	1.10	2			7.09	7.12	9.64	9.67	22.4	22.40	42.4	43.03	3.19	3.24	12.99	12.86	28	28
M3	16/02/2024	Mid-Flood	Cloudy	Low	18:44	2.1	M	1.05	1	0.092	162.109	7.11	7.12	6.69	6.67	22.4	22.40	39.8	39.90	3.67	3.68	26.91	26.845	19	25
M3	16/02/2024	Mid-Flood	Cloudy	Low	18:44	2.1	M	1.05	2			7.12	7.12	6.65	6.67	22.4	22.40	40.0	39.90	3.68	3.68	26.78	26.845	30	25
M1	16/02/2024	Mid-Ebb	Cloudy	Low	11:51	2.4	M	1.20	1	0.069	335.625	7.04	7.03	8.09	8.12	21.9	21.90	41.0	41.70	3.08	3.14	9.90	9.81	28	27
M1	16/02/2024	Mid-Ebb	Cloudy	Low	11:52	2.4	M	1.20	2			7.02	7.03	8.14	8.12	21.9	21.90	42.4	41.70	3.19	3.14	9.72	9.81	26	27
M2	16/02/2024	Mid-Ebb	Cloudy	Low	11:19	2.4	M	1.20	1	0.069	321.97	7.08	7.09	9.17	9.20	21.9	21.95	40.4	40.96	3.04	3.08	15.42	15.38	28	28
M2	16/02/2024	Mid-Ebb	Cloudy	Low	11:19	2.4	M	1.20	2			7.09	7.09	9.22	9.20	22.0	21.95	41.5	40.96	3.12	3.08	15.34	15.38	28	28
M3	16/02/2024	Mid-Ebb	Cloudy	Low	11:46	2.2	M	1.10	1	0.078	307.691	7.05	7.04	7.22	7.22	21.9	21.95	41.6	41.36	3.39	3.42	28.86	29.04	27	24
M3	16/02/2024	Mid-Ebb	Cloudy	Low	11:46	2.2	M	1.10	2			7.03	7.04	7.21	7.22	22.0	21.95	41.1	41.36	3.45	3.42	29.22	29.04	20	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	19/02/2024	Mid-Flood	Cloudy	Low	18:15	2.6	M	1.30	1	0.091	162.043	7.3	7.30	5.64	5.67	22.2	22.20	41.8	40.96	3.14	3.08	14.89	14.725	17	18
M1	19/02/2024	Mid-Flood	Cloudy	Low	18:16	2.6	M	1.30	2			7.29		5.69		22.2		40.2		3.02		14.56		18	
M2	19/02/2024	Mid-Flood	Cloudy	Low	18:49	2.4	M	1.20	1	0.078	168.322	7.28	7.29	5.66	5.62	22.2	22.25	39.5	39.90	2.97	3.00	15.43	15.49	21	20
M2	19/02/2024	Mid-Flood	Cloudy	Low	18:50	2.4	M	1.20	2			7.3		5.58		22.3		40.3		3.03		15.55		19	
M3	19/02/2024	Mid-Flood	Cloudy	Low	18:40	2.2	M	1.10	1	0.076	169.132	7.25	7.25	4.89	4.90	22.2	22.20	38.3	38.37	3.67	3.72	33.35	33.225	18	17
M3	19/02/2024	Mid-Flood	Cloudy	Low	18:40	2.2	M	1.10	2			7.25		4.90		22.2		38.4		3.77		33.10		16	
M1	19/02/2024	Mid-Ebb	Cloudy	Low	9:49	2.4	M	1.20	1	0.068	303.45	7.21	7.20	4.93	4.96	22.1	22.10	44.3	43.29	3.33	3.26	15.63	15.76	20	20
M1	19/02/2024	Mid-Ebb	Cloudy	Low	9:50	2.4	M	1.20	2			7.19		4.98		22.1		42.3		3.18		15.89		19	
M2	19/02/2024	Mid-Ebb	Cloudy	Low	9:26	2.2	M	1.10	1	0.072	322.52	7.21	7.20	5.39	5.42	22.1	22.10	42.3	42.56	3.18	3.20	17.46	17.54	16	17
M2	19/02/2024	Mid-Ebb	Cloudy	Low	9:26	2.2	M	1.10	2			7.19		5.44		22.1		42.8		3.22		17.62		17	
M3	19/02/2024	Mid-Ebb	Cloudy	Low	9:53	2.1	M	1.05	1	0.065	342.626	7.26	7.26	5.21	5.17	22.1	22.15	39.1	39.04	3.45	3.54	34.70	34.735	20	15
M3	19/02/2024	Mid-Ebb	Cloudy	Low	9:53	2.1	M	1.05	2			7.25		5.13		22.2		39.0		3.63		34.77		10	

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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	21/02/2024	Mid-Flood	Cloudy	Low	12:00	2.8	M	1.40	1	0.09	186.683	7.33	7.33	3.85	3.84	22.0	22.00	46.6	46.08	3.5	3.47	12.72	12.715	26	27
M1	21/02/2024	Mid-Flood	Cloudy	Low	12:01	2.8	M	1.40	2			7.32		3.83		22		45.6		3.43		12.71		27	
M2	21/02/2024	Mid-Flood	Cloudy	Low	12:40	2.5	M	1.25	1	0.092	172.101	7.22	7.21	4.60	4.64	22.0	22.05	43.6	43.96	3.28	3.31	17.63	17.81	25	26
M2	21/02/2024	Mid-Flood	Cloudy	Low	12:41	2.5	M	1.25	2			7.2		4.67		22.1		44.3		3.33		17.99		27	
M3	21/02/2024	Mid-Flood	Cloudy	Low	12:55	2.3	M	1.15	1	0.082	167.251	7.26	7.26	3.99	3.99	22.0	22.00	42.3	41.36	3.59	3.68	27.66	27.59	31	31
M3	21/02/2024	Mid-Flood	Cloudy	Low	12:55	2.3	M	1.15	2			7.25		3.98		22.0		40.4		3.77		27.52		31	
M1	21/02/2024	Mid-Ebb	Cloudy	Low	9:56	2.5	M	1.25	1	0.072	341.336	7.31	7.32	3.86	3.85	21.9	21.95	39.2	40.17	2.95	3.02	16.50	16.485	28	33
M1	21/02/2024	Mid-Ebb	Cloudy	Low	9:57	2.5	M	1.25	2			7.33		3.83		22.0		41.1		3.09		16.47		37	
M2	21/02/2024	Mid-Ebb	Cloudy	Low	9:30	2.2	M	1.10	1	0.081	307.535	7.25	7.25	4.55	4.52	21.9	21.95	40.8	41.16	3.07	3.10	18.12	18	41	41
M2	21/02/2024	Mid-Ebb	Cloudy	Low	9:30	2.2	M	1.10	2			7.24		4.49		22.0		41.5		3.12		17.88		40	
M3	21/02/2024	Mid-Ebb	Cloudy	Low	9:48	2.1	M	1.05	1	0.059	307.711	7.28	7.28	4.58	4.57	21.9	21.95	39.8	40.50	3.63	3.70	26.93	26.96	24	19
M3	21/02/2024	Mid-Ebb	Cloudy	Low	9:49	2.1	M	1.05	2			7.27		4.56		22.0		41.2		3.77		26.99		14	

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For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	23/02/2024	Mid-Flood	Cloudy	Low	13:08	2.7	M	1.35	1	0.085	170.234	7.24	7.23	4.07	4.12	21.9	21.95	37.9	37.51	2.85	2.81	25.97	25.825	30	29
M1	23/02/2024	Mid-Flood	Cloudy	Low	13:09	2.7	M	1.35	2			7.22		4.16		22		42.8		43.29		3.22		3.28	
M2	23/02/2024	Mid-Flood	Cloudy	Low	13:41	2.3	M	1.15	1	0.084	167.848	7.24	7.25	5.23	5.27	21.9	21.95	42.8	43.29	3.22	3.28	19.49	19.37	25	26
M2	23/02/2024	Mid-Flood	Cloudy	Low	13:42	2.3	M	1.15	2			7.26		5.3		22		43.8		43.29		3.33		3.28	
M3	23/02/2024	Mid-Flood	Cloudy	Low	13:44	2.1	M	1.05	1	0.082	182.21	7.24	7.24	5.31	5.31	21.9	21.95	47.7	49.61	3.59	3.73	31.22	31.34	32	29
M3	23/02/2024	Mid-Flood	Cloudy	Low	13:45	2.1	M	1.05	2			7.24		5.30		22.0		51.5		49.61		3.87		3.73	
M1	23/02/2024	Mid-Ebb	Cloudy	Low	8:44	2.5	M	1.25	1	0.07	329.479	7.23	7.23	4.72	4.72	22.1	22.10	42.8	43.23	3.22	3.22	22.55	22.51	27	26
M1	23/02/2024	Mid-Ebb	Cloudy	Low	8:44	2.5	M	1.25	2			7.22		4.72		22.1		43.6		43.23		3.21		3.22	
M2	23/02/2024	Mid-Ebb	Cloudy	Low	8:00	2.3	M	1.15	1	0.06	332.532	7.24	7.25	5.23	5.24	22.1	22.10	35.9	35.25	2.7	2.64	20.36	20.195	26	26
M2	23/02/2024	Mid-Ebb	Cloudy	Low	8:00	2.3	M	1.15	2			7.25		5.24		22.1		34.6		35.25		2.58		2.64	
M3	23/02/2024	Mid-Ebb	Cloudy	Low	8:36	2.2	M	1.10	1	0.065	329.815	7.21	7.20	5.49	5.50	22.1	22.15	46.3	47.55	3.48	3.58	28.77	28.56	24	18
M3	23/02/2024	Mid-Ebb	Cloudy	Low	8:37	2.2	M	1.10	2			7.19		5.50		22.2		48.8		47.55		3.67		3.58	

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	26/02/2024	Mid-Flood	Cloudy	Low	14:30	2.5	M	1.25	1	0.075	186.792	7.24	7.23	4.39	4.39	22.3	22.30	44.7	43.76	3.36	3.29	25.97	26.04	36	36
M1	26/02/2024	Mid-Flood	Cloudy	Low	14:30	2.5	M	1.25	2			7.22		4.38		22.3		42.8		3.22		26.11		35	
M2	26/02/2024	Mid-Flood	Cloudy	Low	15:01	2.2	M	1.10	1	0.088	170.988	7.25	7.26	4.31	4.29	22.3	22.30	37.9	36.97	2.85	2.78	22.89	22.68	32	33
M2	26/02/2024	Mid-Flood	Cloudy	Low	15:02	2.2	M	1.10	2			7.26		4.26		22.3		36.0		2.71		22.47		34	
M3	26/02/2024	Mid-Flood	Cloudy	Low	15:11	2.1	M	1.05	1	0.09	182.704	7.22	7.22	4.48	4.53	22.3	22.30	42.0	42.56	3.78	3.71	34.59	34.705	40	34
M3	26/02/2024	Mid-Flood	Cloudy	Low	15:11	2.1	M	1.05	2			7.22		4.57		22.3		43.1		3.63		34.82		28	
M1	26/02/2024	Mid-Ebb	Cloudy	Low	9:33	2.5	M	1.25	1	0.059	308.224	7.21	7.21	4.55	4.57	22.1	22.15	45.4	45.69	3.41	3.44	22.63	22.665	29	28
M1	26/02/2024	Mid-Ebb	Cloudy	Low	9:34	2.5	M	1.25	2			7.21		4.59		22.2		46.0		3.46		22.70		27	
M2	26/02/2024	Mid-Ebb	Cloudy	Low	8:56	2.3	M	1.15	1	0.071	324.22	7.24	7.25	4.64	4.69	22.1	22.15	41.4	41.90	3.11	3.15	21.77	21.595	38	36
M2	26/02/2024	Mid-Ebb	Cloudy	Low	8:56	2.3	M	1.15	2			7.26		4.73		22.2		42.4		3.19		21.42		34	
M3	26/02/2024	Mid-Ebb	Cloudy	Low	9:41	2.2	M	1.10	1	0.063	314.962	7.26	7.26	4.49	4.51	22.1	22.10	39.6	39.37	3.55	3.61	35.64	35.485	30	29
M3	26/02/2024	Mid-Ebb	Cloudy	Low	9:41	2.2	M	1.10	2			7.25		4.53		22.1		39.1		3.66		35.33		27	

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	28/02/2024	Mid-Flood	Cloudy	Low	15:26	2.6	M	1.30	1	0.093	171.085	7.21	7.21	6.33	6.35	22.7	22.70	43.6	43.56	3.28	3.28	25.89	25.91	25	29
M1	28/02/2024	Mid-Flood	Cloudy	Low	15:26	2.6	M	1.30	2			7.2	7.21	6.37	6.35	22.7	22.70	43.5	43.56	3.27	3.28	25.93	25.91	32	29
M2	28/02/2024	Mid-Flood	Cloudy	Low	15:58	2.4	M	1.20	1	0.084	161.217	7.19	7.18	5.49	5.47	22.7	22.70	41.8	42.16	3.14	3.17	26.60	26.445	30	29
M2	28/02/2024	Mid-Flood	Cloudy	Low	15:59	2.4	M	1.20	2			7.17	7.18	5.45	5.47	22.7	22.70	42.6	42.16	3.2	3.17	26.29	26.445	28	29
M3	28/02/2024	Mid-Flood	Cloudy	Low	16:11	2.2	M	1.10	1	0.088	181.596	7.18	7.19	7.40	7.39	22.7	22.70	46.3	46.35	3.48	3.49	38.73	38.745	37	36
M3	28/02/2024	Mid-Flood	Cloudy	Low	16:12	2.2	M	1.10	2			7.19	7.19	7.38	7.39	22.7	22.70	46.4	46.35	3.49	3.49	38.76	38.745	35	36
M1	28/02/2024	Mid-Ebb	Cloudy	Low	9:57	2.5	M	1.25	1	0.067	341.525	7.2	7.20	6.47	6.49	22.9	22.95	37.5	37.24	2.82	2.80	21.83	21.715	32	33
M1	28/02/2024	Mid-Ebb	Cloudy	Low	9:58	2.5	M	1.25	2			7.2	7.20	6.51	6.49	23.0	22.95	37.0	37.24	2.78	2.80	21.60	21.715	34	33
M2	28/02/2024	Mid-Ebb	Cloudy	Low	9:30	2.2	M	1.10	1	0.058	333.761	7.18	7.19	6.03	6.06	22.9	22.95	35.8	35.64	2.69	2.68	23.44	23.295	36	34
M2	28/02/2024	Mid-Ebb	Cloudy	Low	9:31	2.2	M	1.10	2			7.2	7.19	6.08	6.06	23.0	22.95	35.5	35.64	2.67	2.68	23.15	23.295	32	34
M3	28/02/2024	Mid-Ebb	Cloudy	Low	10:11	2.1	M	1.05	1	0.072	343.315	7.19	7.20	7.84	7.88	22.9	22.95	44.7	44.69	3.36	3.36	37.55	37.605	30	30
M3	28/02/2024	Mid-Ebb	Cloudy	Low	10:12	2.1	M	1.05	2			7.21	7.20	7.91	7.88	23.0	22.95	44.7	44.69	3.36	3.36	37.66	37.605	29	30

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.

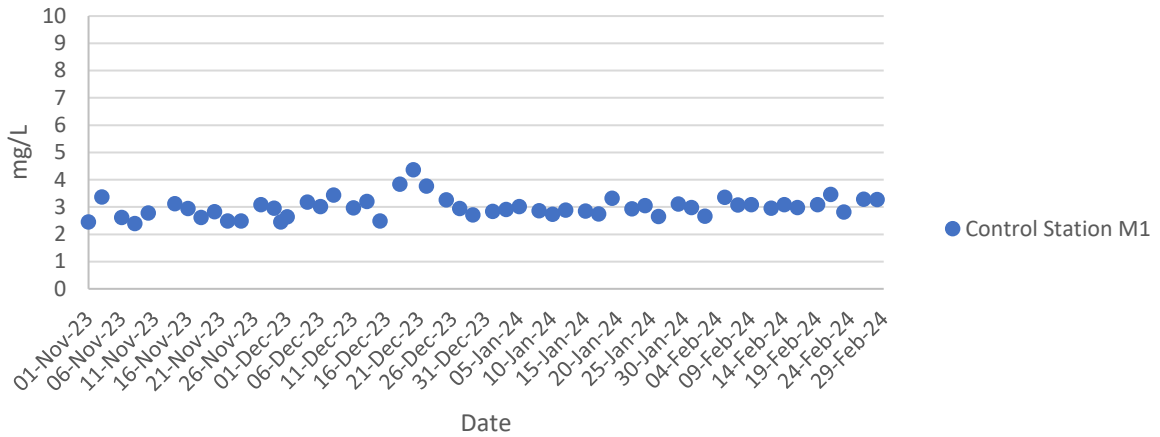
For Flood Tide

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

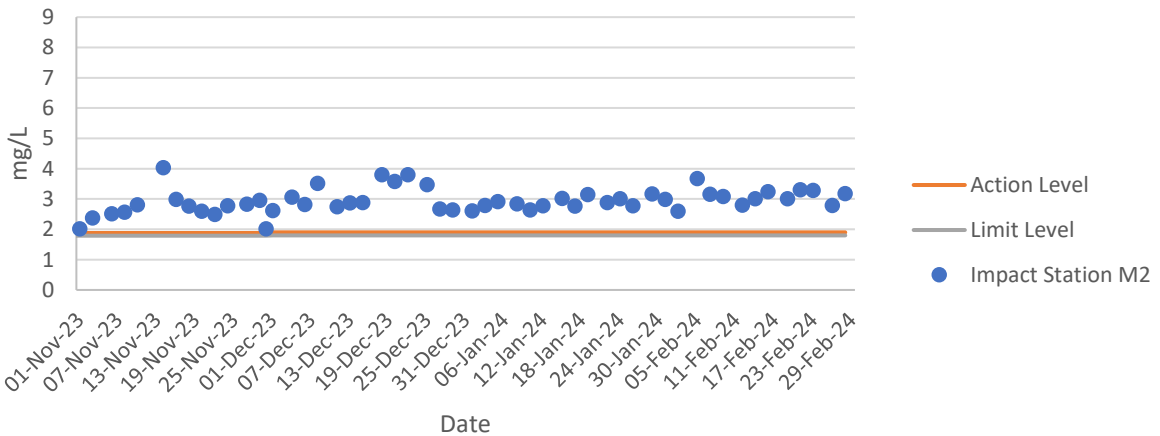
For Ebb Tide

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

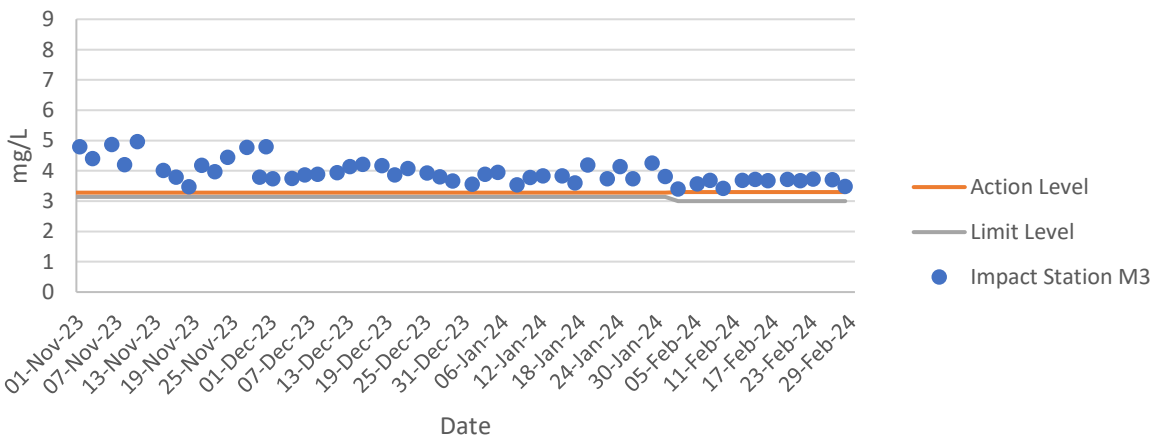
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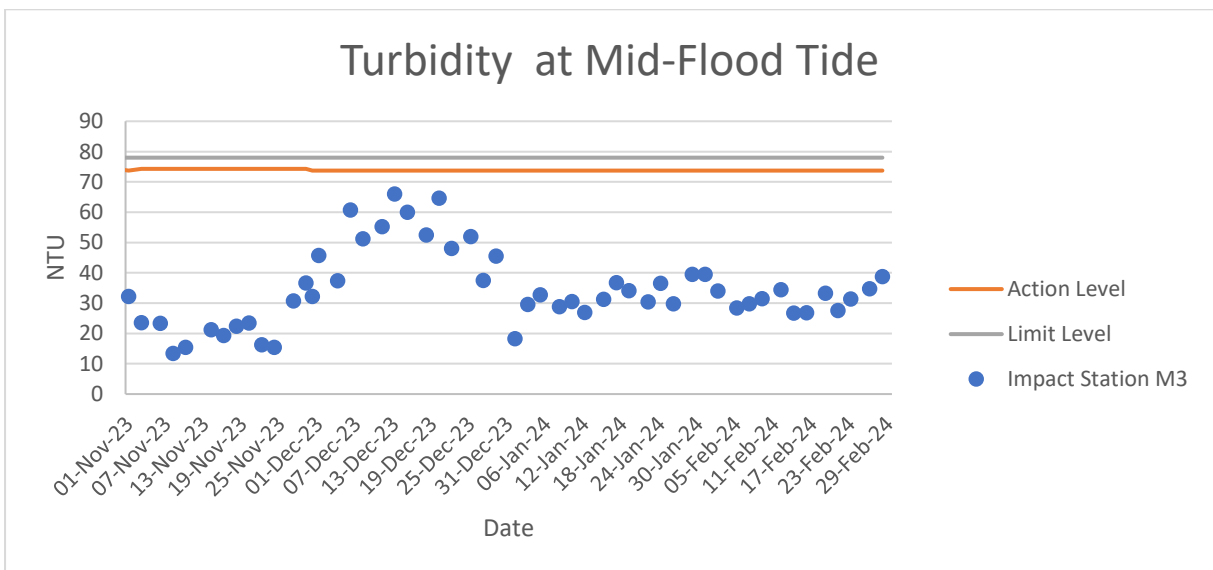
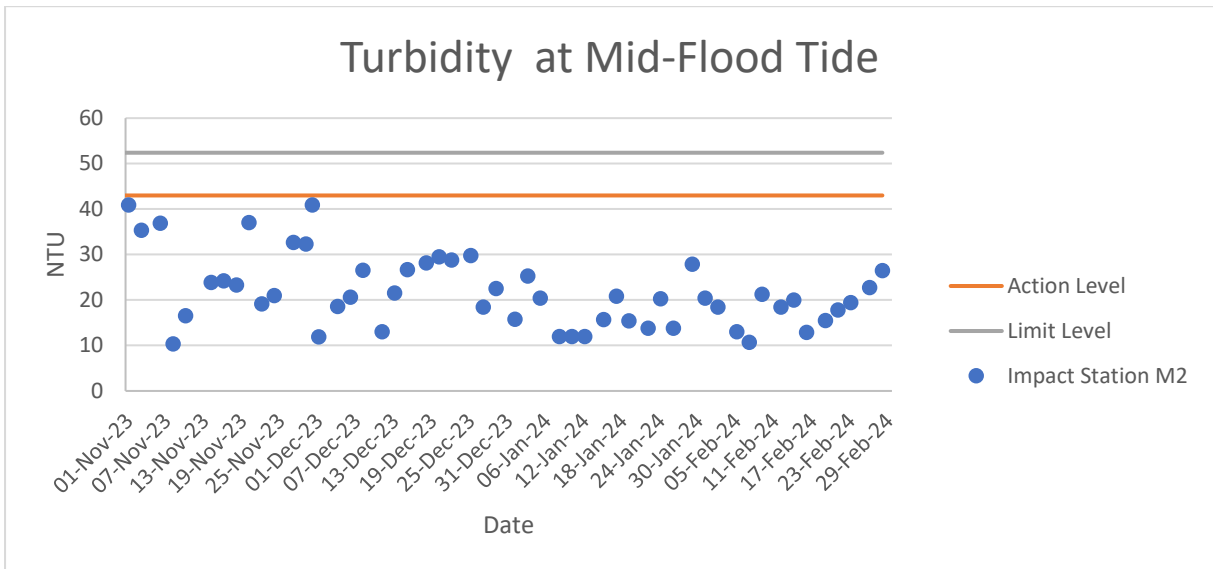
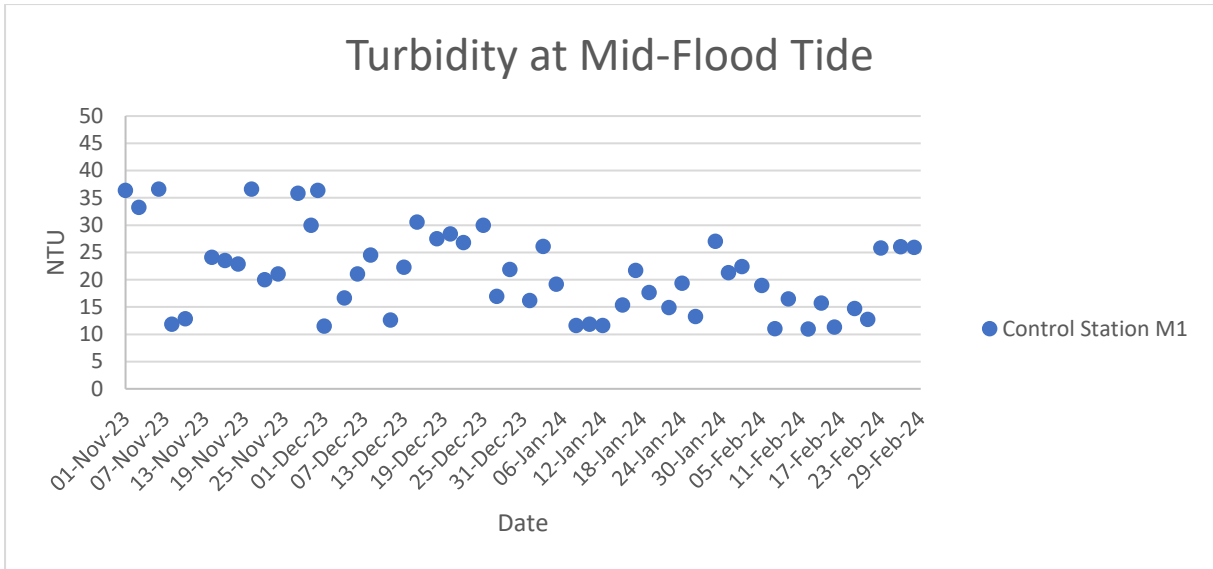


### Dissolved Oxygen at Mid-Flood Tide



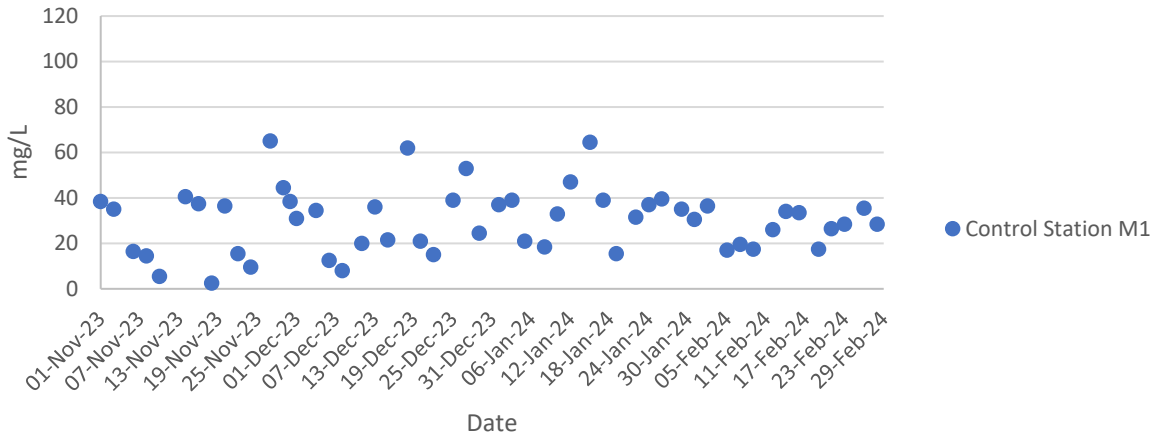
### Dissolved Oxygen at Mid-Flood Tide



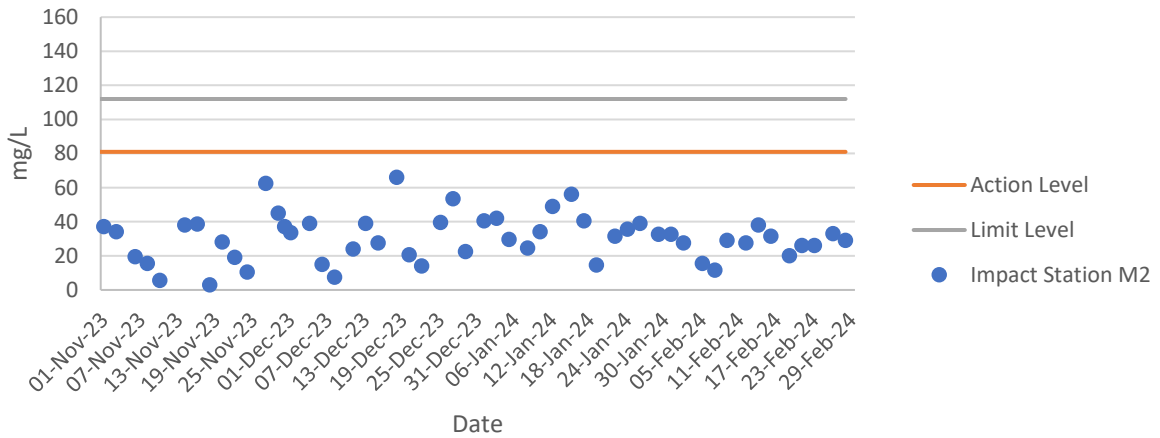


**Water Quality Monitoring Results**

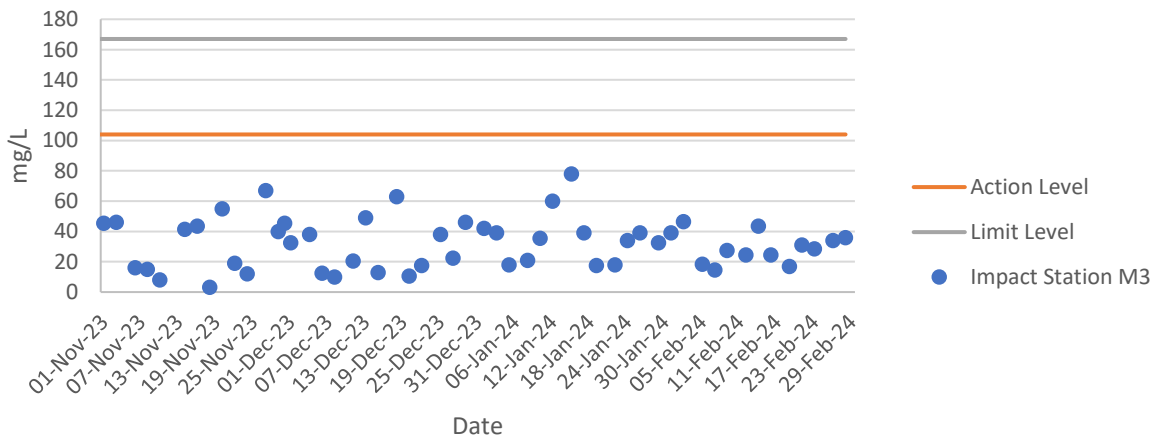
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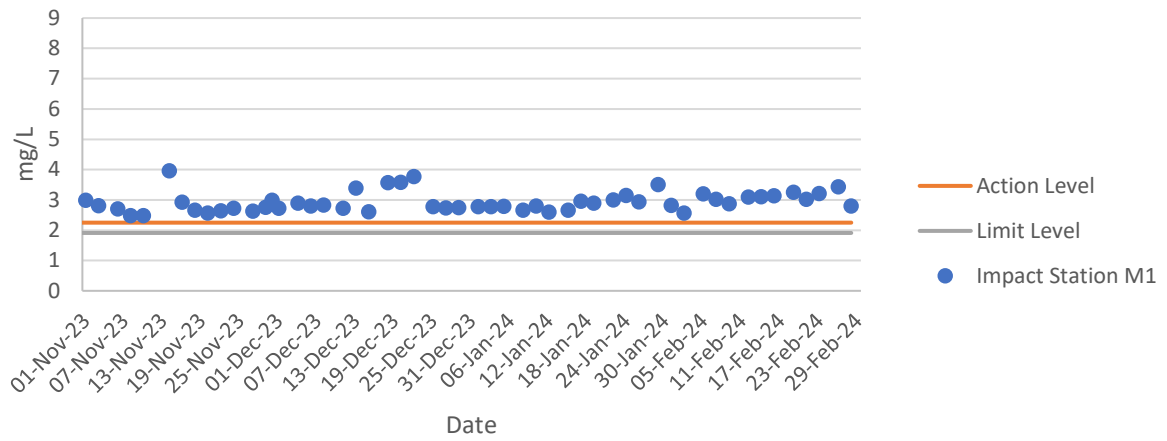
### Total Suspended Solids at Mid-Flood Tide



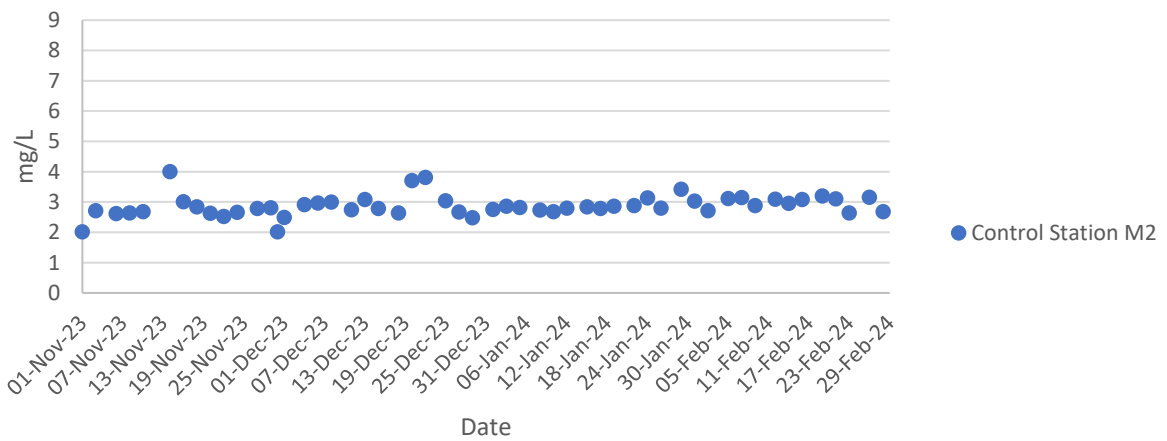
### Total Suspended Solids at Mid-Flood Tide



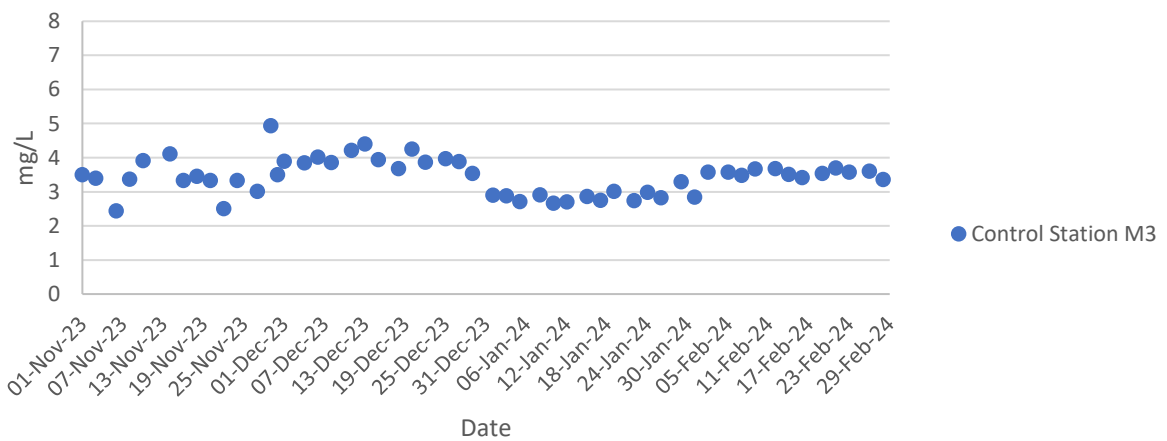
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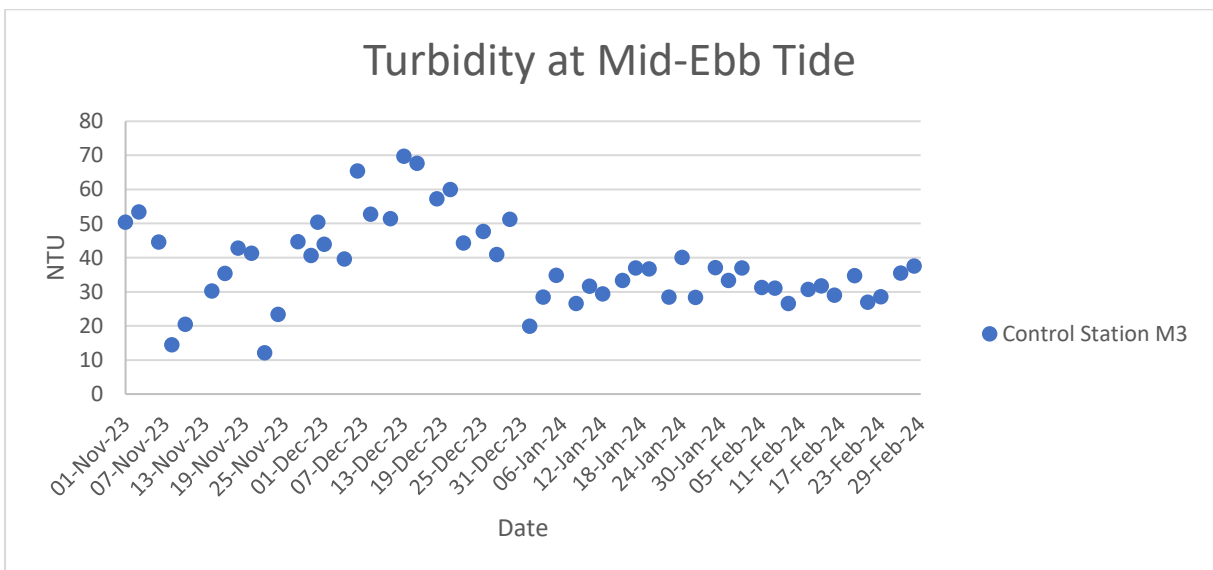
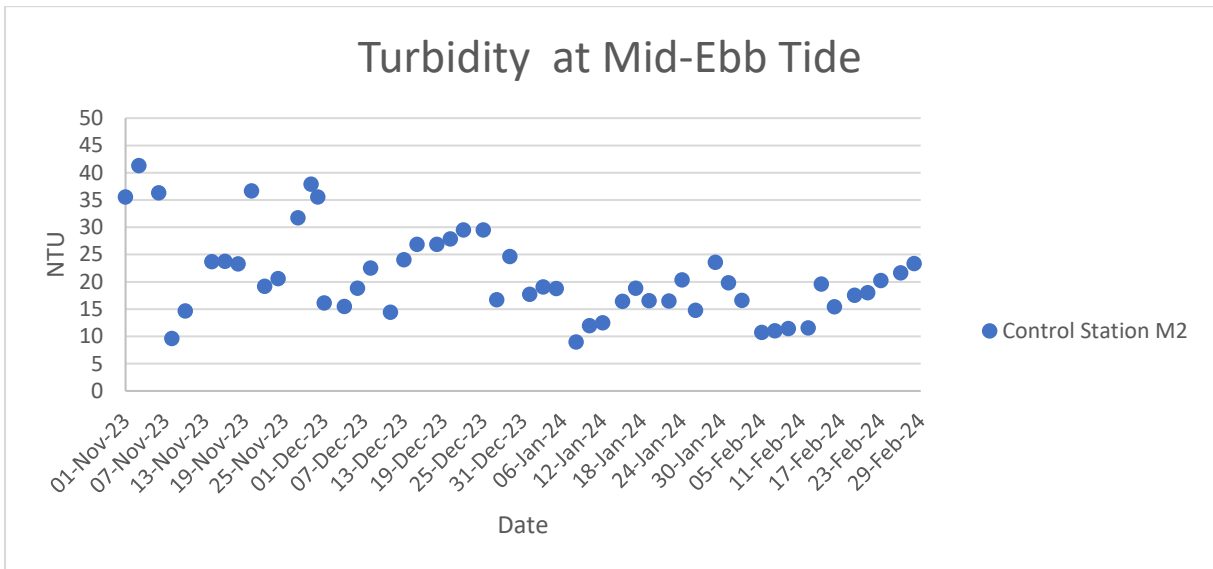
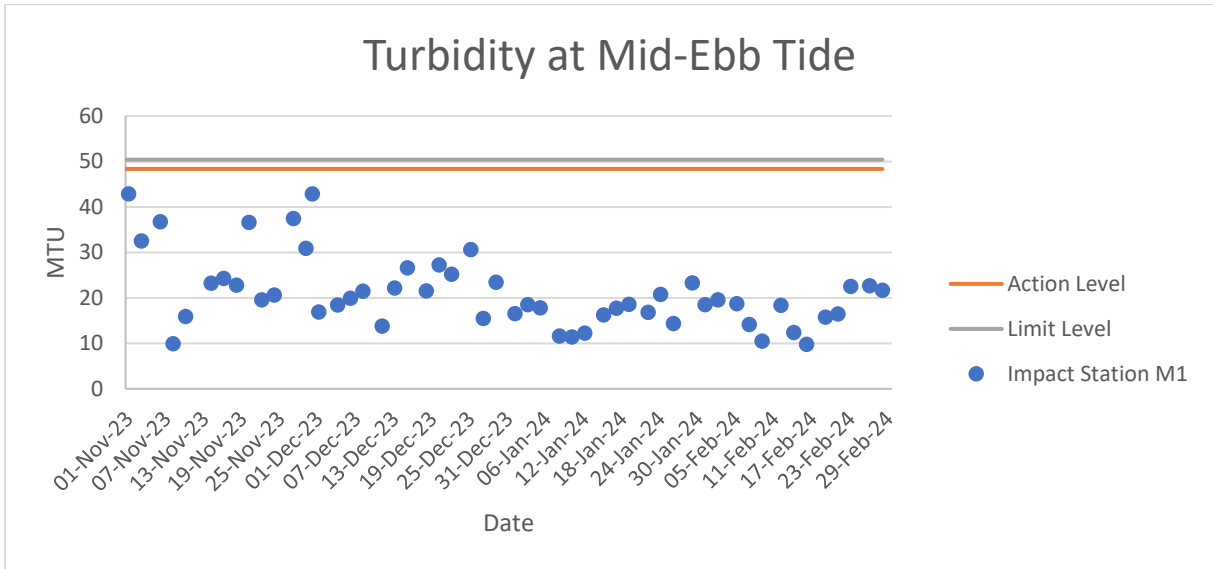


### Dissolved Oxygen at Mid-Ebb Tide



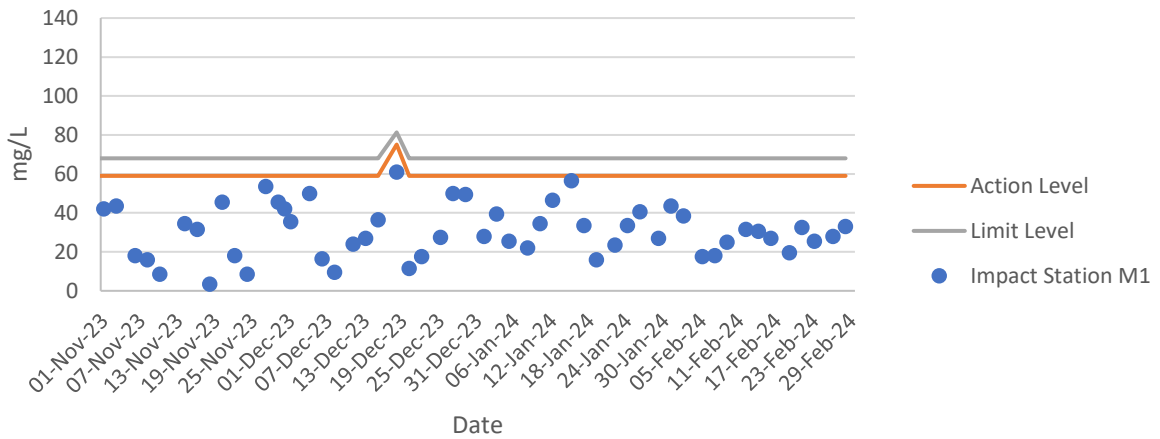
### Dissolved Oxygen at Mid-Ebb Tide



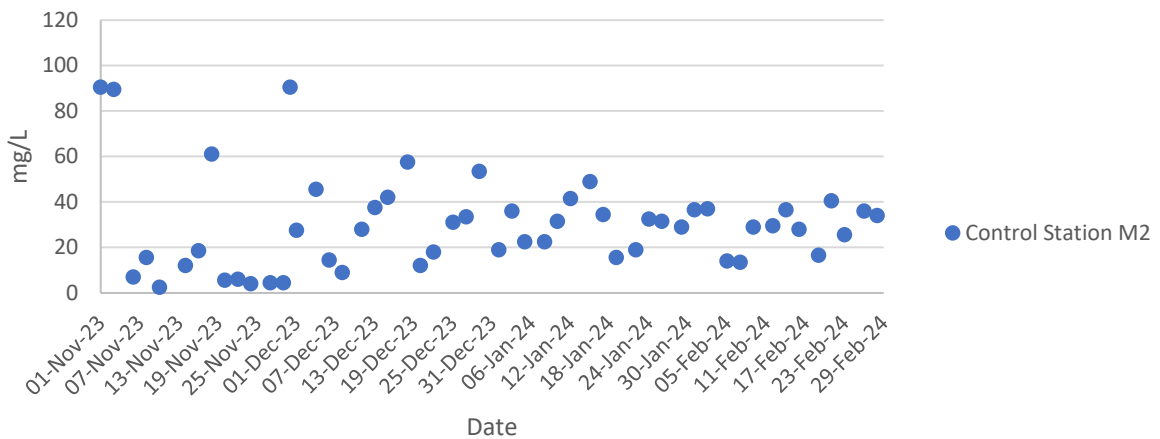


**Water Quality Monitoring Results**

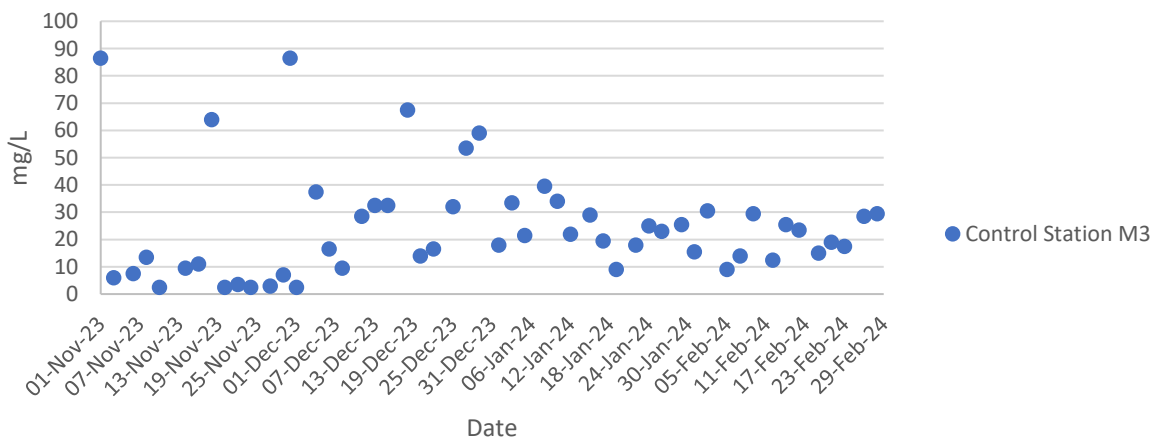
### Total Suspended Solids at Mid-Ebb Tide



### 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 (5 February 2024 &amp; 28 February 2024)

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 <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
05/02/2024	Daytime	Dry	FLW	Point Count	FLW1	Little Grebe	<i>Tachybaptus ruficollis</i>	1	Common	R	LC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW1	Common Sandpiper	<i>Actitis hypoleucos</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW1	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW1	Great Cormorant	<i>Phalacrocorax carbo</i>	4	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW1	Olive-backed Pipit	<i>Anthus hodgsoni</i>	4	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW1	Spotted Dove	<i>Spilopelia chinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW1	Collared Crow	<i>Corvus torquatus</i>	1	Uncommon	R	LC	-	-	NT	VU	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW1	Black-collared Starling	<i>Gracupica nigricollis</i>	15	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW1	Red-throated Pipit	<i>Anthus cervinus</i>	2	Common	M, WV	LC	-	-	-	-	Y	N
28/02/2024	Night-time	Dry	FLW	Point Count	FLW1	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	1	Common	R,WV	-	-	-	LC	LC	N	Y
28/02/2024	Night-time	Dry	FLW	Point Count	FLW1	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW2	Great Cormorant	<i>Phalacrocorax carbo</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW2	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW2	Crested Myna	<i>Acridotheres cristatellus</i>	10	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW2	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW2	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW2	Black-faced Bunting	<i>Emberiza spodocephala</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW2	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	2	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW2	Black-collared Starling	<i>Gracupica nigricollis</i>	5	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW2	Common Greenshank	<i>Tringa nebularia</i>	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW2	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW2	Common Myna	<i>Acridotheres tristis</i>	4	Uncommon	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW2	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (5 February 2024 & 28 February 2024)

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 <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
05/02/2024	Daytime	Dry	FLW	Point Count	FLW2	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW2	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW3	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW3	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW3	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW3	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW3	Great Cormorant	<i>Phalacrocorax carbo</i>	3	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW3	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW3	Red-throated Flycatcher	<i>Ficedula albicilla</i>	1	Uncommon	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW4	Black Kite	<i>Milvus migrans</i>	2	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW4	Common Moorhen	<i>Gallinula chloropus</i>	2	Common	R	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW4	Plain Prinia	<i>Prinia inornata</i>	3	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW4	Great Cormorant	<i>Phalacrocorax carbo</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW4	Black-collared Starling	<i>Gracupica nigricollis</i>	8	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW4	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW4	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW4	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW4	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
28/02/2024	Night-time	Dry	FLW	Point Count	FLW4	Savanna Nightjar	<i>Caprimulgus affinis</i>	1	Uncommon	R.PM	-	-	-	DD	-	N	N
28/02/2024	Night-time	Dry	FLW	Point Count	FLW4	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	Crested Myna	<i>Acridotheres cristatellus</i>	12	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	Common Moorhen	<i>Gallinula chloropus</i>	1	Common	R	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	Eastern Cattle Egret	<i>Bubulcus coromandus</i>	3	Common	R.PM	-	-	-	LC	LC	Y	Y

## Appendix F.1 Ecological Bird Monitoring Result (5 February 2024 &amp; 28 February 2024)

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 <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	3	Common	R	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	Little Grebe	<i>Tachybaptus ruficollis</i>	2	Common	R	LC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	Grey Heron	<i>Ardea cinerea</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	Black-collared Starling	<i>Gracupica nigricollis</i>	15	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	4	Common	-	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	Eurasian Tree Sparrow	<i>Passer montanus</i>	8	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	Scaly-breasted Munia	<i>Lonchura punctulata</i>	15	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	Olive-backed Pipit	<i>Anthus hodgsoni</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW5	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
28/02/2024	Night-time	Dry	FLW	Point Count	FLW5	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
28/02/2024	Night-time	Dry	FLW	Point Count	FLW5	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW6	Large-billed Crow	<i>Corvus macrorhynchos</i>	1	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW6	Crested Myna	<i>Acridotheres crystalallus</i>	2	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW6	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW6	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW6	Azure-winged Magpie	<i>Cyanopica cyanus</i>	2	Introduced	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (5 February 2024 & 28 February 2024)

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 <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
05/02/2024	Daytime	Dry	FLW	Point Count	FLW6	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW6	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW6	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW6	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW6	Swinhoe's White-eye	<i>Zosterops simplex</i>	8	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW6	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW6	Tufted Duck	<i>Aythya fuligula</i>	9	Uncommon	WV	LC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW6	Little Grebe	<i>Tachybaptus ruficollis</i>	2	Common	R	LC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW6	White-throated Kingfisher	<i>Halcyon smymensis</i>	1	Common	R	-	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW7	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW7	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW7	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW7	Black-collared Starling	<i>Gracupica nigricollis</i>	20	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW7	Spotted Dove	<i>Spilopelia chinensis</i>	7	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW7	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	6	Common	-	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW7	Chinese Pond Heron	<i>Ardeola bacchus</i>	7	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW7	Azure-winged Magpie	<i>Cyanopica cyanus</i>	13	Introduced	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW7	Asian Koel	<i>Eudynamis scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW7	Great Cormorant	<i>Phalacrocorax carbo</i>	3	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW7	Eastern Cattle Egret	<i>Bubulcus coromandus</i>	16	Common	R,PM	-	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Point Count	FLW7	Crested Myna	<i>Acridotheres cristatellus</i>	5	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW7	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW7	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Point Count	FLW7	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (5 February 2024 & 28 February 2024)

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 <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
05/02/2024	Daytime	Dry	NSW	Point Count	NSW1	Eurasian Tree Sparrow	<i>Passer montanus</i>	12	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	8	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	NSW1	Great Cormorant	<i>Phalacrocorax carbo</i>	275	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	NSW1	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	NSW1	Black Kite	<i>Milvus migrans</i>	2	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	NSW1	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	NSW1	Barn Swallow	<i>Hirundo rustica</i>	12	Abundant	PM,SV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	NSW1	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	NSW1	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	NSW1	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	NSW	Point Count	NSW1	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	NSW1	Eurasian Teal	<i>Anas crecca</i>	5	Common	WV	RC	-	-	LC	LC	Y	Y
28/02/2024	Night-time	Dry	NSW	Point Count	NSW1	Savanna Nightjar	<i>Caprimulgus affinis</i>	1	Uncommon	R,PM	-	-	-	DD	-	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	3	Common	R,WV	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>	2	Common	R	-	-	-	-	-	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	4	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	White Wagtail	<i>Motacilla alba</i>	3	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	1	Common	WV,Sp	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Black-winged Stilt	<i>Himantopus himantopus</i>	7	Common	PM	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Common Greenshank	<i>Tringa nebularia</i>	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Pied Avocet	<i>Recurvirostra avosetta</i>	18	Abundant	WV	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Grey Heron	<i>Ardea cinerea</i>	3	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y

## Appendix F.1 Ecological Bird Monitoring Result (5 February 2024 &amp; 28 February 2024)

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 <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Lesser Black-backed Gull	<i>Larus fuscus</i>	1	Common	WV,M	LC	-	-	-	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Marsh Sandpiper	<i>Tringa stagnatilis</i>	1	Common	PM,WV	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Northern Shoveler	<i>Spatula clypeata</i>	4	Abundant	WV	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Oriental Magpie Robin	<i>Copsychus saularis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Common Redshank	<i>Tringa totanus</i>	3	Common	PM	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Great Cormorant	<i>Phalacrocorax carbo</i>	3	Common	WV	PRC	-	-	LC	LC	Y	Y
28/02/2024	Night-time	Dry	NSW	Point Count	SP/NSW1	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	8	Common	R,WV	-	-	-	LC	LC	N	Y
28/02/2024	Night-time	Dry	NSW	Point Count	SP/NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Northern Shoveler	<i>Spatula clypeata</i>	6	Abundant	WV	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Black-faced Spoonbill	<i>Platalea minor</i>	1	Common	WV	PGC	Class II	EN	EN	EN	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Moorhen	<i>Gallinula chloropus</i>	2	Common	R	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	1	Common	WV,Sp	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Pied Avocet	<i>Recurvirostra avosetta</i>	3	Abundant	WV	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Redshank	<i>Tringa totanus</i>	3	Common	PM	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Eurasian Teal	<i>Anas crecca</i>	2	Common	WV	RC	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (5 February 2024 & 28 February 2024)

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 <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Great Cormorant	<i>Phalacrocorax carbo</i>	3	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Greenshank	<i>Tringa nebularia</i>	1	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Swinhoe's White-eye	<i>Zosterops simplex</i>	3	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Black-winged Stilt	<i>Himantopus himantopus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Tailorbird	<i>Orthotomus sutorius</i>	2	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	2	Common	R,WV	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Great Cormorant	<i>Phalacrocorax carbo</i>	88	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Sandpiper	<i>Actitis hypoleucos</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Oriental Magpie	<i>Pica serica</i>	1	Common	R	-	-	-	-	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Black-collared Starling	<i>Gracupica nigricollis</i>	30	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Moorhen	<i>Gallinula chloropus</i>	5	Common	R	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Pied Avocet	<i>Recurvirostra avosetta</i>	78	Abundant	WV	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Greenshank	<i>Tringa nebularia</i>	3	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	3	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Grey Heron	<i>Ardea cinerea</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Lesser Black-backed Gull	<i>Larus fuscus</i>	1	Common	WV,M	LC	-	-	-	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Eurasian Teal	<i>Anas crecca</i>	5	Common	WV	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Black-winged Stilt	<i>Himantopus himantopus</i>	8	Common	PM	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Redshank	<i>Tringa totanus</i>	6	Common	PM	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y

## Appendix F.1 Ecological Bird Monitoring Result (5 February 2024 &amp; 28 February 2024)

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 <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Black-faced Bunting	<i>Emberiza spodocephala</i>	3	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Great Cormorant	<i>Phalacrocorax carbo</i>	4	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	25	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Crested Myna	<i>Acridotheres cristatellus</i>	15	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Spotted Dove	<i>Spilopelia chinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Eurasian Coot	<i>Fulica atra</i>	2	Uncommon	W	RC	-	-	-	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Black Kite	<i>Milvus migrans</i>	2	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	-	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Zitting Cisticola	<i>Cisticola juncidis</i>	2	Common	PM,WV	LC	-	-	LC	LC	Y	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Common Moorhen	<i>Gallinula chloropus</i>	1	Common	R	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Great Cormorant	<i>Phalacrocorax carbo</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	3	Introduced	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Dusky Warbler	<i>Phylloscopus fuscatu</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	15	Common	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (5 February 2024 & 28 February 2024)

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 <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	8	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Great Cormorant	<i>Phalacrocorax carbo</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Swinhoe's White-eye	<i>Zosterops simplex</i>	4	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Black Kite	<i>Milvus migrans</i>	2	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	3	Introduced	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Little Ringed Plover	<i>Charadrius dubius</i>	1	Common	WV,PM	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Crested Myna	<i>Acridotheres cristatellus</i>	12	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Common Myna	<i>Acridotheres tristis</i>	3	Uncommon	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	FLW	Transect	FLW	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
28/02/2024	Night-time	Dry	FLW	Transect	FLW	Savanna Nightjar	<i>Caprimulgus affinis</i>	2	Uncommon	R,PM	-	-	-	DD	-	N	N
05/02/2024	Daytime	Dry	NSW	Transect	NSW	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	40	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Transect	NSW	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Transect	NSW	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Transect	NSW	Black-winged Stilt	<i>Himantopus himantopus</i>	12	Common	PM	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Transect	NSW	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Transect	NSW	Common Redshank	<i>Tringa totanus</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Transect	NSW	Great Cormorant	<i>Phalacrocorax carbo</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y

## Appendix F.1 Ecological Bird Monitoring Result (5 February 2024 &amp; 28 February 2024)

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 <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
05/02/2024	Daytime	Dry	NSW	Transect	NSW	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Transect	NSW	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Transect	NSW	House Swift	<i>Apus nipalensis</i>	10	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Transect	NSW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Transect	NSW	Pied Avocet	<i>Recurvirostra avosetta</i>	6	Abundant	WV	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Transect	NSW	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	NSW	Transect	NSW	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	NSW	Transect	NSW	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
05/02/2024	Daytime	Dry	NSW	Transect	NSW	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	NSW	Transect	NSW	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Moorhen	<i>Gallinula chloropus</i>	27	Common	R	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Northern Shoveler	<i>Spatula clypeata</i>	14	Abundant	WV	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Grey Heron	<i>Ardea cinerea</i>	8	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Eurasian Teal	<i>Anas crecca</i>	25	Common	WV	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Pied Avocet	<i>Recurvirostra avosetta</i>	21	Abundant	WV	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Redshank	<i>Tringa totanus</i>	7	Common	PM	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Greenshank	<i>Tringa nebularia</i>	8	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Black-winged Stilt	<i>Himantopus himantopus</i>	25	Common	PM	RC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Great Cormorant	<i>Phalacrocorax carbo</i>	6	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Little Ringed Plover	<i>Charadrius dubius</i>	2	Common	WV,PM	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>	3	Common	R	-	-	-	-	-	N	N
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	15	Introduced	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (5 February 2024 & 28 February 2024)

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 <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	-	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	House Swift	<i>Apus nipalensis</i>	25	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Lesser Black-backed Gull	<i>Larus fuscus</i>	3	Common	WV,M	LC	-	-	-	LC	Y	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Dusky Warbler	<i>Phylloscopus fuscatus</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Sandpiper	<i>Actitis hypoleucos</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	45	Common	WV	PRC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Crested Myna	<i>Acridotheres cristatellus</i>	40	Common	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	2	Common	R,WV	-	-	-	LC	LC	N	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Oriental Magpie	<i>Pica serica</i>	3	Common	R	-	-	-	-	LC	N	N
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Tufted Duck	<i>Aythya fuligula</i>	4	Uncommon	WV	LC	-	-	LC	LC	Y	Y
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	6	Abundant	R	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	1	Common	WV,Sp	-	-	-	LC	LC	N	N
05/02/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N

Notes:

- All wild birds are protected under Wild Animals Protection Ordinance (Cap. 170).
- AFCD (2021). Hong Kong Biodiversity Database.
- Carey et al. (2001): R=resident; WV=winter visitor; SV=summer visitor; PM=passage migrant; Sp=spring; A=autumn;
- Fellowes et al. (2002): GC=Global Concern; 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.
- List of Wild Animals under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).
- Zheng, G. M. and Wang, Q. S. (1998). China Red Data Book
- IUCN 2021. The IUCN Red List of Threatened Species. Version 2020-3.
- Wetland-dependent species (including wetland-dependent species and waterbirds).
- 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 (5 February 2024 & 28 February 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Spatula clypeata</i>	10	0.01006036	-4.599152114	-0.04627	0.212799
<i>Anas crecca</i>	12	0.01207243	-4.416830557	-0.05332	0.235514
<i>Aythya fuligula</i>	9	0.00905433	-4.704512629	-0.0426	0.200394
<i>Tachybaptus ruficollis</i>	5	0.00503018	-5.292299294	-0.02662	0.140887
<i>Platalea minor</i>	1	0.00100604	-6.901737207	-0.00694	0.047922
<i>Nycticorax nycticorax</i>	14	0.01408451	-4.262679877	-0.06004	0.255922
<i>Ardeola bacchus</i>	27	0.02716298	-3.605900341	-0.09795	0.353187
<i>Bubulcus coromandus</i>	19	0.01911469	-3.957298227	-0.07564	0.29934
<i>Ardea cinerea</i>	11	0.0110664	-4.503841934	-0.04984	0.224477
<i>Ardea alba</i>	4	0.00402414	-5.515442846	-0.02219	0.122415
<i>Egretta garzetta</i>	6	0.00603622	-5.109977737	-0.03084	0.157617
<i>Phalacrocorax carbo</i>	382	0.38430584	-0.956316598	-0.36752	0.351464
<i>Milvus migrans</i>	6	0.00603622	-5.109977737	-0.03084	0.157617
<i>Amaurornis phoenicurus</i>	10	0.01006036	-4.599152114	-0.04627	0.212799
<i>Gallinula chloropus</i>	10	0.01006036	-4.599152114	-0.04627	0.212799
<i>Himantopus himantopus</i>	19	0.01911469	-3.957298227	-0.07564	0.29934
<i>Recurvirostra avosetta</i>	99	0.09959759	-2.306617357	-0.22973	0.529907
<i>Actitis hypoleucos</i>	6	0.00603622	-5.109977737	-0.03084	0.157617
<i>Tringa totanus</i>	12	0.01207243	-4.416830557	-0.05332	0.235514
<i>Tringa stagnatilis</i>	1	0.00100604	-6.901737207	-0.00694	0.047922
<i>Tringa nebularia</i>	8	0.00804829	-4.822295665	-0.03881	0.187159
<i>Chroicocephalus ridibundus</i>	7	0.00704225	-4.955827058	-0.0349	0.172959
<i>Larus fuscus</i>	2	0.00201207	-6.208590026	-0.01249	0.077559
<i>Streptopelia decaocto</i>	10	0.01006036	-4.599152114	-0.04627	0.212799
<i>Spilopelia chinensis</i>	14	0.01408451	-4.262679877	-0.06004	0.255922
<i>Centropus sinensis</i>	1	0.00100604	-6.901737207	-0.00694	0.047922
<i>Eudynamis scolopaceus</i>	1	0.00100604	-6.901737207	-0.00694	0.047922
<i>Caprimulgus affinis</i>	2	0.00201207	-6.208590026	-0.01249	0.077559
<i>Halcyon smyrnensis</i>	1	0.00100604	-6.901737207	-0.00694	0.047922
<i>Alcedo atthis</i>	5	0.00503018	-5.292299294	-0.02662	0.140887
<i>Lanius schach</i>	1	0.00100604	-6.901737207	-0.00694	0.047922
<i>Cyanopica cyanus</i>	15	0.01509054	-4.193687006	-0.06329	0.265398
<i>Urocissa erythroryncha</i>	2	0.00201207	-6.208590026	-0.01249	0.077559
<i>Pica serica</i>	1	0.00100604	-6.901737207	-0.00694	0.047922
<i>Corvus torquatus</i>	1	0.00100604	-6.901737207	-0.00694	0.047922
<i>Corvus macrorhynchos</i>	1	0.00100604	-6.901737207	-0.00694	0.047922
<i>Parus minor</i>	4	0.00402414	-5.515442846	-0.02219	0.122415
<i>Pycnonotus jocosus</i>	4	0.00402414	-5.515442846	-0.02219	0.122415
<i>Pycnonotus sinensis</i>	3	0.00301811	-5.803124918	-0.01751	0.101639
<i>Hirundo rustica</i>	12	0.01207243	-4.416830557	-0.05332	0.235514
<i>Phylloscopus inornatus</i>	2	0.00201207	-6.208590026	-0.01249	0.077559
<i>Phylloscopus fuscatus</i>	8	0.00804829	-4.822295665	-0.03881	0.187159
<i>Prinia flaviventris</i>	5	0.00503018	-5.292299294	-0.02662	0.140887
<i>Prinia inornata</i>	6	0.00603622	-5.109977737	-0.03084	0.157617

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Orthotomus sutorius</i>	5	0.00503018	-5.292299294	-0.02662	0.140887
<i>Pterorhinus perspicillatus</i>	3	0.00301811	-5.803124918	-0.01751	0.101639
<i>Zosterops simplex</i>	11	0.0110664	-4.503841934	-0.04984	0.224477
<i>Acridotheres cristatellus</i>	37	0.03722334	-3.290819294	-0.1225	0.40311
<i>Acridotheres tristis</i>	4	0.00402414	-5.515442846	-0.02219	0.122415
<i>Gracupica nigricollis</i>	99	0.09959759	-2.306617357	-0.22973	0.529907
<i>Copsychus saularis</i>	3	0.00301811	-5.803124918	-0.01751	0.101639
<i>Ficedula albicilla</i>	1	0.00100604	-6.901737207	-0.00694	0.047922
<i>Passer montanus</i>	20	0.02012072	-3.906004933	-0.07859	0.306979
<i>Lonchura punctulata</i>	15	0.01509054	-4.193687006	-0.06329	0.265398
<i>Motacilla alba</i>	8	0.00804829	-4.822295665	-0.03881	0.187159
<i>Anthus hodgsoni</i>	5	0.00503018	-5.292299294	-0.02662	0.140887
<i>Anthus cervinus</i>	2	0.00201207	-6.208590026	-0.01249	0.077559
<i>Emberiza spodocephala</i>	2	0.00201207	-6.208590026	-0.01249	0.077559
Total	994	1	-298.6230826	-2.7048	10.13144
Richness	58				
SS	10.131				
SQ	7.3159				
H	2.7048				
S <sup>2</sup> H	0.0029				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (5 February 2024 & 28 February 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Spatula clypeata</i>	10	0.015174507	-4.18814	-0.06355	0.266168
<i>Anas crecca</i>	12	0.018209408	-4.00582	-0.07294	0.292199
<i>Aythya fuligula</i>	9	0.013657056	-4.2935	-0.05864	0.251756
<i>Tachybaptus ruficollis</i>	5	0.007587253	-4.88129	-0.03704	0.180781
<i>Platalea minor</i>	1	0.001517451	-6.49072	-0.00985	0.063929
<i>Nycticorax nycticorax</i>	14	0.02124431	-3.85167	-0.08183	0.315166
<i>Ardeola bacchus</i>	27	0.040971168	-3.19489	-0.1309	0.418205
<i>Bubulcus coromandus</i>	19	0.028831563	-3.54628	-0.10224	0.36259
<i>Ardea cinerea</i>	11	0.016691958	-4.09283	-0.06832	0.279611
<i>Ardea alba</i>	4	0.006069803	-5.10443	-0.03098	0.15815
<i>Egretta garzetta</i>	6	0.009104704	-4.69896	-0.04278	0.201034
<i>Phalacrocorax carbo</i>	382	0.579666161	-0.5453	-0.31609	0.172367
<i>Milvus migrans</i>	6	0.009104704	-4.69896	-0.04278	0.201034
<i>Himantopus himantopus</i>	19	0.028831563	-3.54628	-0.10224	0.36259
<i>Recurvirostra avosetta</i>	99	0.150227618	-1.8956	-0.28477	0.539815
<i>Tringa totanus</i>	12	0.018209408	-4.00582	-0.07294	0.292199
<i>Tringa stagnatilis</i>	1	0.001517451	-6.49072	-0.00985	0.063929
<i>Tringa nebularia</i>	8	0.012139605	-4.41128	-0.05355	0.23623
<i>Chroicocephalus ridibundus</i>	7	0.010622155	-4.54481	-0.04828	0.219404
<i>Larus fuscus</i>	2	0.003034901	-5.79758	-0.0176	0.102009
<i>Centropus sinensis</i>	1	0.001517451	-6.49072	-0.00985	0.063929
<i>Halcyon smyrnensis</i>	1	0.001517451	-6.49072	-0.00985	0.063929
<i>Corvus torquatus</i>	1	0.001517451	-6.49072	-0.00985	0.063929
<i>Anthus cervinus</i>	2	0.003034901	-5.79758	-0.0176	0.102009
Total	659	1	-109.555	-1.69432	5.272963
Richness	24				
SS	5.272963				
SQ	2.870725				
H	1.694321				
S <sup>2</sup> H	0.0036718				

Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method) in All Habitats (5 February 2024 & 28 February 2024)

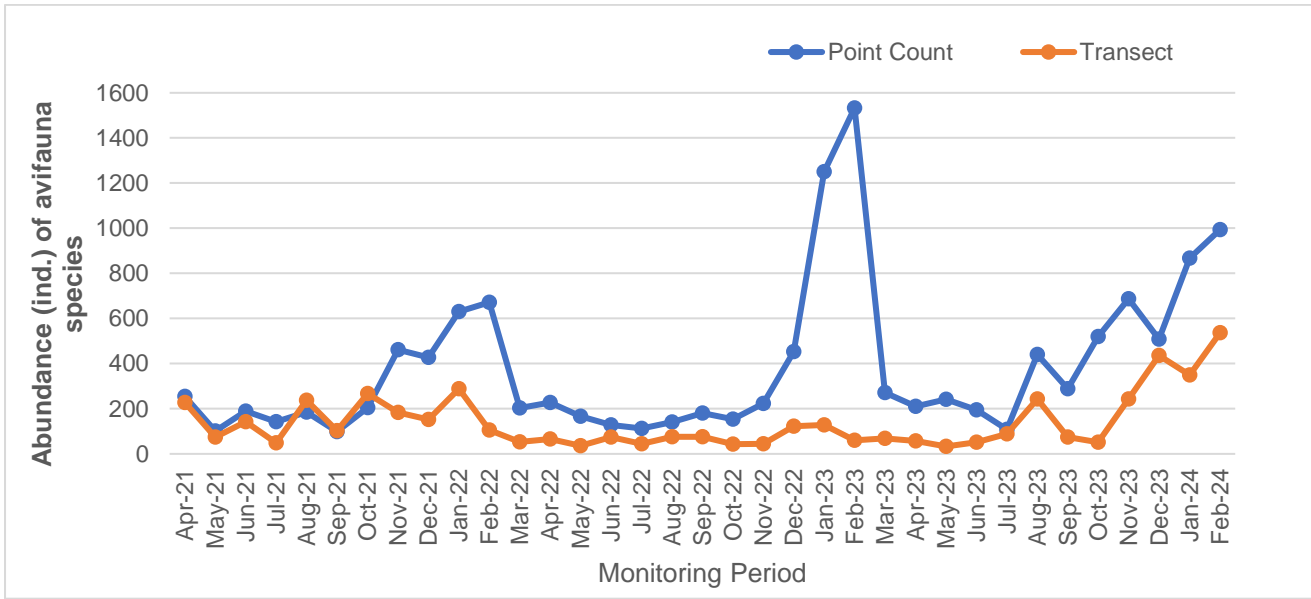
Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Spatula clypeata</i>	14	0.0261194	-3.64508	-0.09521	0.34704
<i>Anas crecca</i>	25	0.04664179	-3.06526	-0.14297	0.43824
<i>Aythya fuligula</i>	4	0.00746269	-4.89784	-0.03655	0.17902
<i>Nycticorax nycticorax</i>	2	0.00373134	-5.59099	-0.02086	0.11664
<i>Ardeola bacchus</i>	6	0.01119403	-4.49237	-0.05029	0.22591
<i>Ardea cinerea</i>	10	0.01865672	-3.98155	-0.07428	0.29576
<i>Ardea alba</i>	4	0.00746269	-4.89784	-0.03655	0.17902
<i>Egretta garzetta</i>	2	0.00373134	-5.59099	-0.02086	0.11664
<i>Phalacrocorax carbo</i>	14	0.0261194	-3.64508	-0.09521	0.34704
<i>Milvus migrans</i>	5	0.00932836	-4.6747	-0.04361	0.20385
<i>Amauornis phoenicurus</i>	3	0.00559701	-5.18552	-0.02902	0.1505
<i>Gallinula chloropus</i>	28	0.05223881	-2.95193	-0.15421	0.4552
<i>Fulica atra</i>	2	0.00373134	-5.59099	-0.02086	0.11664
<i>Himantopus himantopus</i>	37	0.06902985	-2.67322	-0.18453	0.49329
<i>Recurvirostra avosetta</i>	27	0.05037313	-2.9883	-0.15053	0.44983
<i>Charadrius dubius</i>	3	0.00559701	-5.18552	-0.02902	0.1505
<i>Actitis hypoleucos</i>	3	0.00559701	-5.18552	-0.02902	0.1505
<i>Tringa totanus</i>	9	0.01679104	-4.08691	-0.06862	0.28046
<i>Tringa nebularia</i>	8	0.01492537	-4.20469	-0.06276	0.26387
<i>Chroicocephalus ridibundus</i>	85	0.15858209	-1.84148	-0.29203	0.53776
<i>Larus fuscus</i>	3	0.00559701	-5.18552	-0.02902	0.1505
<i>Streptopelia decaocto</i>	2	0.00373134	-5.59099	-0.02086	0.11664
<i>Spilopelia chinensis</i>	8	0.01492537	-4.20469	-0.06276	0.26387
<i>Centropus sinensis</i>	1	0.00186567	-6.28413	-0.01172	0.07368
<i>Caprimulgus affinis</i>	2	0.00373134	-5.59099	-0.02086	0.11664
<i>Apus nipalensis</i>	35	0.06529851	-2.72879	-0.17819	0.48623
<i>Halcyon smyrnensis</i>	2	0.00373134	-5.59099	-0.02086	0.11664
<i>Alcedo atthis</i>	3	0.00559701	-5.18552	-0.02902	0.1505
<i>Cyanopica cyanus</i>	21	0.0391791	-3.23961	-0.12693	0.41119
<i>Urocissa erythroryncha</i>	3	0.00559701	-5.18552	-0.02902	0.1505
<i>Pica serica</i>	3	0.00559701	-5.18552	-0.02902	0.1505
<i>Parus minor</i>	4	0.00746269	-4.89784	-0.03655	0.17902
<i>Pycnonotus jocosus</i>	3	0.00559701	-5.18552	-0.02902	0.1505
<i>Pycnonotus sinensis</i>	17	0.03171642	-3.45092	-0.10945	0.37771
<i>Phylloscopus inornatus</i>	1	0.00186567	-6.28413	-0.01172	0.07368
<i>Phylloscopus fuscatus</i>	3	0.00559701	-5.18552	-0.02902	0.1505
<i>Cisticola juncidis</i>	2	0.00373134	-5.59099	-0.02086	0.11664
<i>Prinia flaviventris</i>	1	0.00186567	-6.28413	-0.01172	0.07368
<i>Prinia inornata</i>	4	0.00746269	-4.89784	-0.03655	0.17902
<i>Orthotomus sutorius</i>	1	0.00186567	-6.28413	-0.01172	0.07368
<i>Zosterops simplex</i>	4	0.00746269	-4.89784	-0.03655	0.17902
<i>Acridotheres cristatellus</i>	67	0.125	-2.07944	-0.25993	0.54051
<i>Acridotheres tristis</i>	3	0.00559701	-5.18552	-0.02902	0.1505
<i>Gracupica nigricollis</i>	40	0.07462687	-2.59525	-0.19368	0.50264
<i>Copsychus saularis</i>	2	0.00373134	-5.59099	-0.02086	0.11664
<i>Saxicola stejnegeri</i>	1	0.00186567	-6.28413	-0.01172	0.07368
<i>Motacilla tschutschensis</i>	2	0.00373134	-5.59099	-0.02086	0.11664
<i>Motacilla alba</i>	4	0.00746269	-4.89784	-0.03655	0.17902
<i>Emberiza spodocephala</i>	3	0.00559701	-5.18552	-0.02902	0.1505
Total	536	1	-232.857	-3.153	11.352

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
Richness	49				
SS	11.06816791				
SQ	9.79753				
H	3.1301				
S <sup>2</sup> H	0.00245				

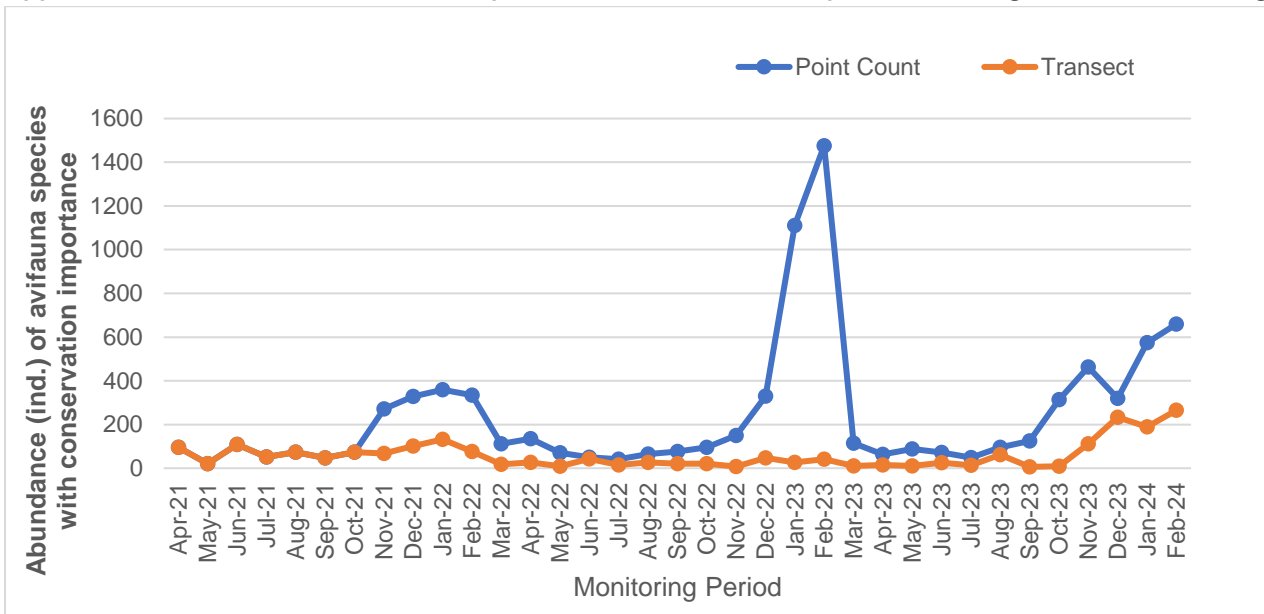
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (5 February 2024 & 28 February 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Spatula clypeata</i>	14	0.05283	-2.94067	-0.155356	0.456852
<i>Anas crecca</i>	25	0.09434	-2.36085	-0.222722	0.525814
<i>Aythya fuligula</i>	4	0.015094	-4.19344	-0.063297	0.265432
<i>Nycticorax nycticorax</i>	2	0.007547	-4.88658	-0.03688	0.180217
<i>Ardeola bacchus</i>	6	0.022642	-3.78797	-0.085765	0.324877
<i>Ardea cinerea</i>	10	0.037736	-3.27714	-0.123666	0.405271
<i>Ardea alba</i>	4	0.015094	-4.19344	-0.063297	0.265432
<i>Egretta garzetta</i>	2	0.007547	-4.88658	-0.03688	0.180217
<i>Phalacrocorax carbo</i>	14	0.05283	-2.94067	-0.155356	0.456852
<i>Milvus migrans</i>	5	0.018868	-3.97029	-0.074911	0.297419
<i>Fulica atra</i>	2	0.007547	-4.88658	-0.03688	0.180217
<i>Himantopus himantopus</i>	37	0.139623	-1.96881	-0.274891	0.541208
<i>Recurvirostra avosetta</i>	27	0.101887	-2.28389	-0.232699	0.531459
<i>Charadrius dubius</i>	3	0.011321	-4.48112	-0.05073	0.227325
<i>Tringa totanus</i>	9	0.033962	-3.38251	-0.114878	0.388574
<i>Tringa nebularia</i>	8	0.030189	-3.50029	-0.105669	0.369872
<i>Chroicocephalus ridibundus</i>	85	0.320755	-1.13708	-0.364723	0.414719
<i>Larus fuscus</i>	3	0.011321	-4.48112	-0.05073	0.227325
<i>Centropus sinensis</i>	1	0.003774	-5.57973	-0.021056	0.117484
<i>Halcyon smyrnensis</i>	2	0.007547	-4.88658	-0.03688	0.180217
<i>Cisticola juncidis</i>	2	0.007547	-4.88658	-0.03688	0.180217
Total	265	1	-78.9119	-2.344145	6.717
Richness	21				
SS	6.717				
SQ	5.495				
H	2.344				
S <sup>2</sup> H	0.005				

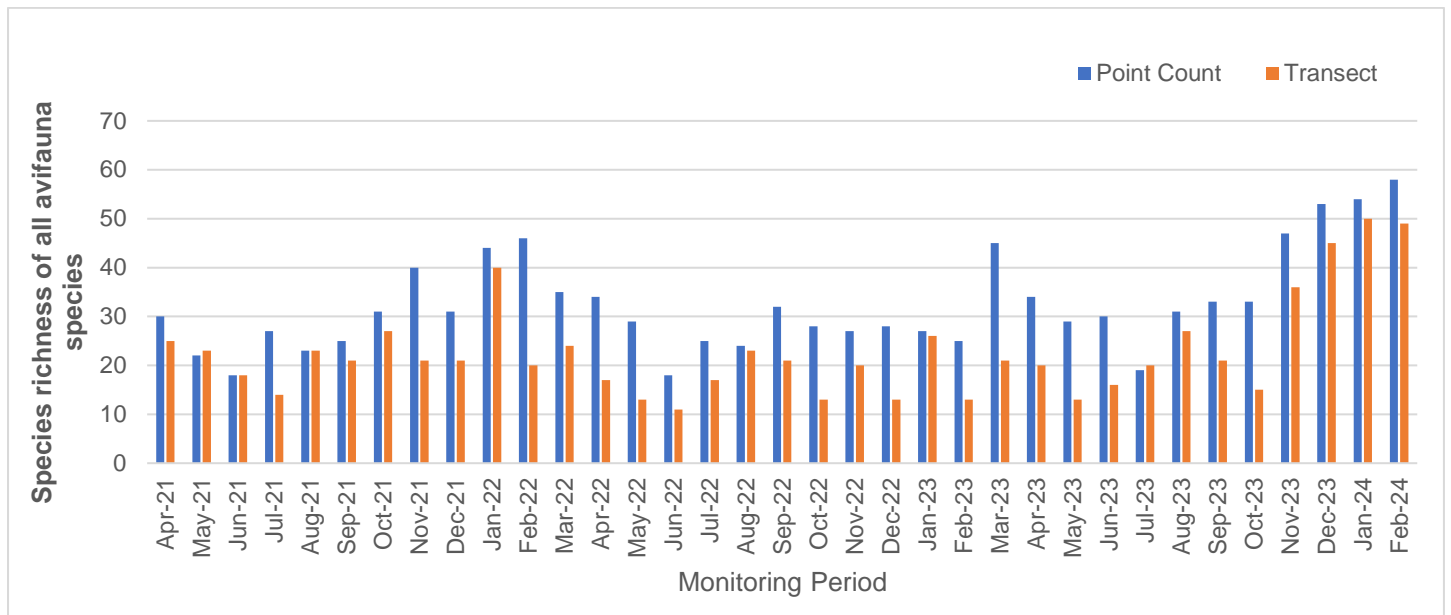
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



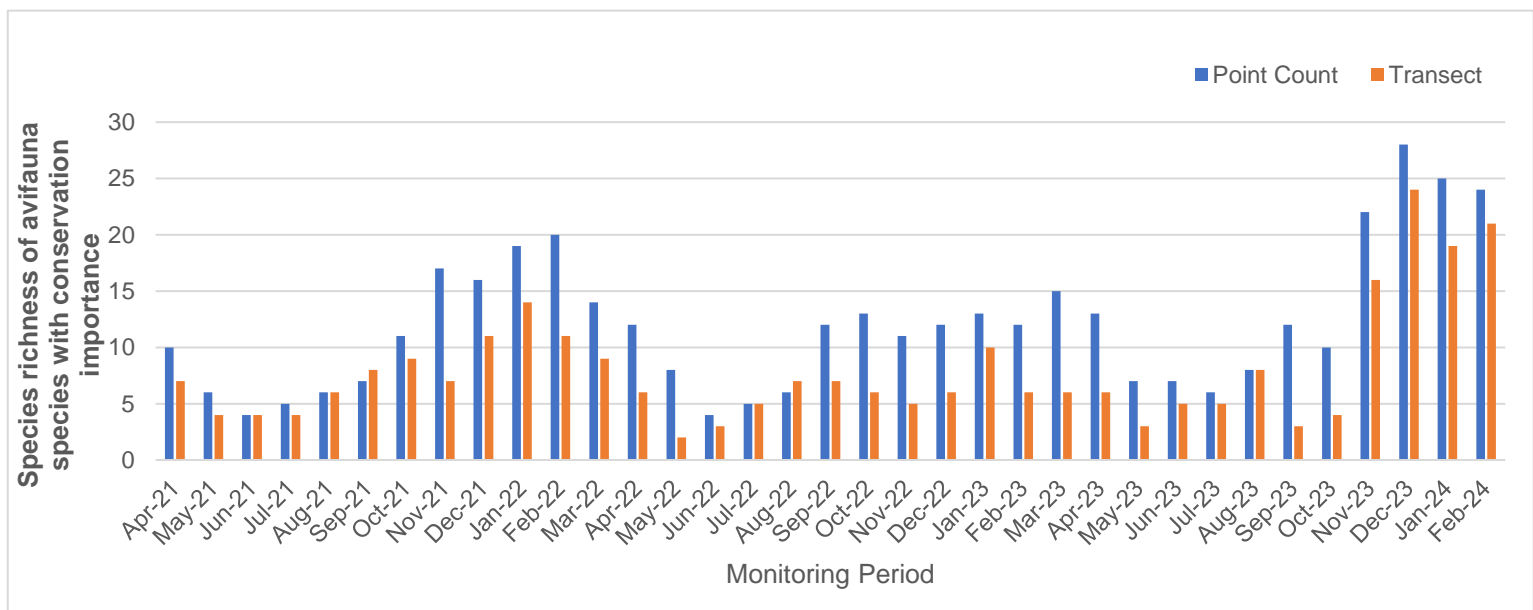
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



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

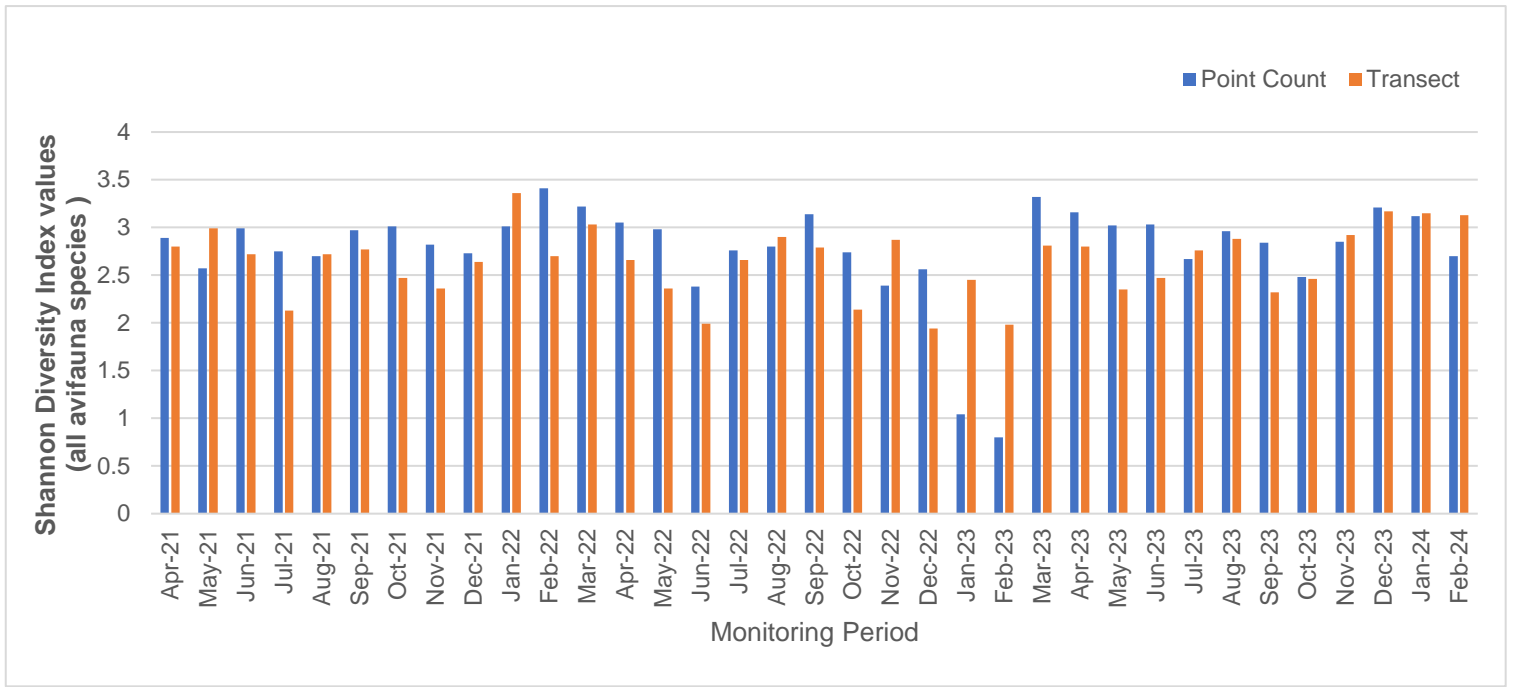


Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring

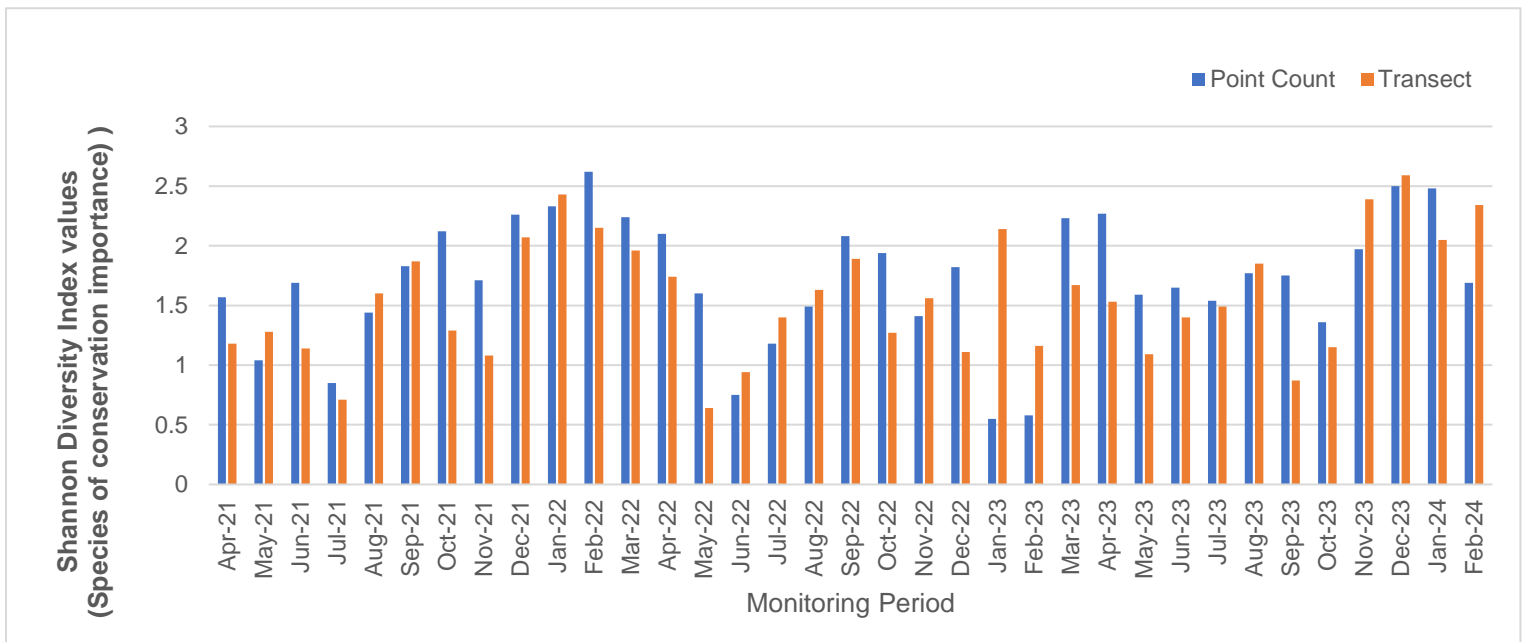


period

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	February 2017	February 2024
Total	642	994
Richness	58	58
H	3.324	2.705
S <sup>2</sup> H	0.00193	0.00286
t	8.942	
df	1635.1870	
Crit	1.961	
p	1.01E-18	
CI	0.088	0.107

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

Months	February 2017	February 2024
Total	2	536
Richness	1	49
H	0	3.1301
S <sup>2</sup> H	0	0.00245
t	63.184	
df	536.0	
Crit	1.964	
p	1.55E-250	
CI	0	0.099

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

Months	February 2017	February 2024
Total	447	659
Richness	26	24
H	2.679	1.694
S <sup>2</sup> H	0.002	0.00367
t	13.073	
df	1093.9355	
Crit	1.962	
p	2.15E-36	
CI	0.089	0.121

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

Months	February 2017	February 2024
Total	2	265
Richness	1	21
H	0	2.344
S <sup>2</sup> H	0	0.00475
t	33.999	
df	265.0	
Crit	1.969	
p	1.25E-98	
CI	0	0.138