

# 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		
4/01/2024	fine	8:09	55	53	50	291	500
10/01/2024	fine	8:10	54	52	51		
16/01/2024	fine	8:12	53	54	52		
22/01/2024	fine	9:00	52	53	50		
28/01/2024	fine	9:03	51	56	52		
		Min	50				
		Max	56				
		Average	53				

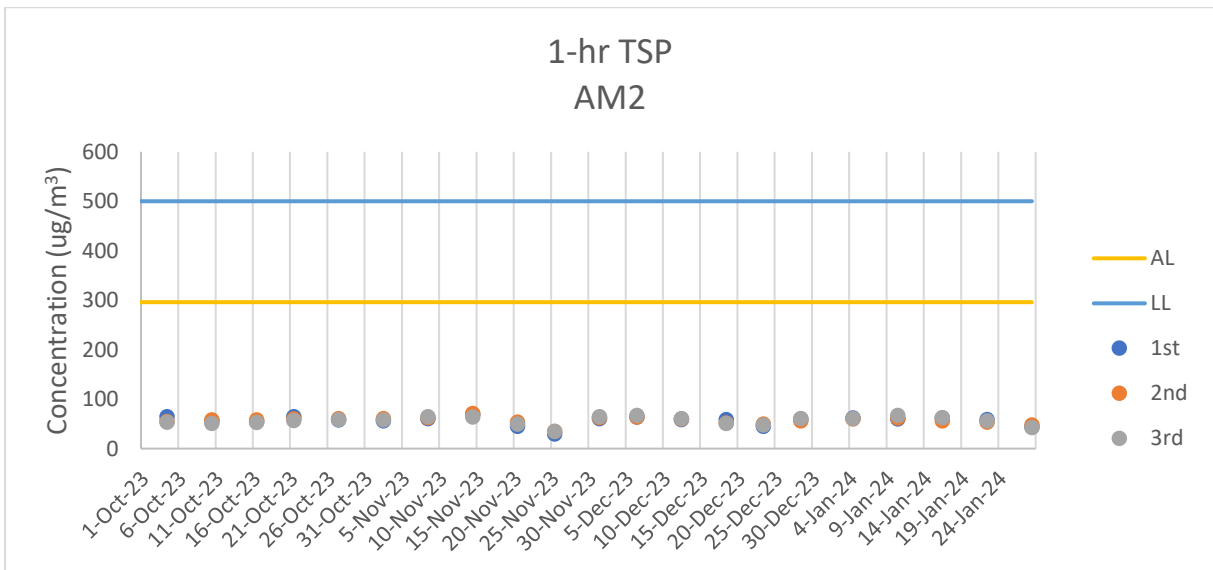
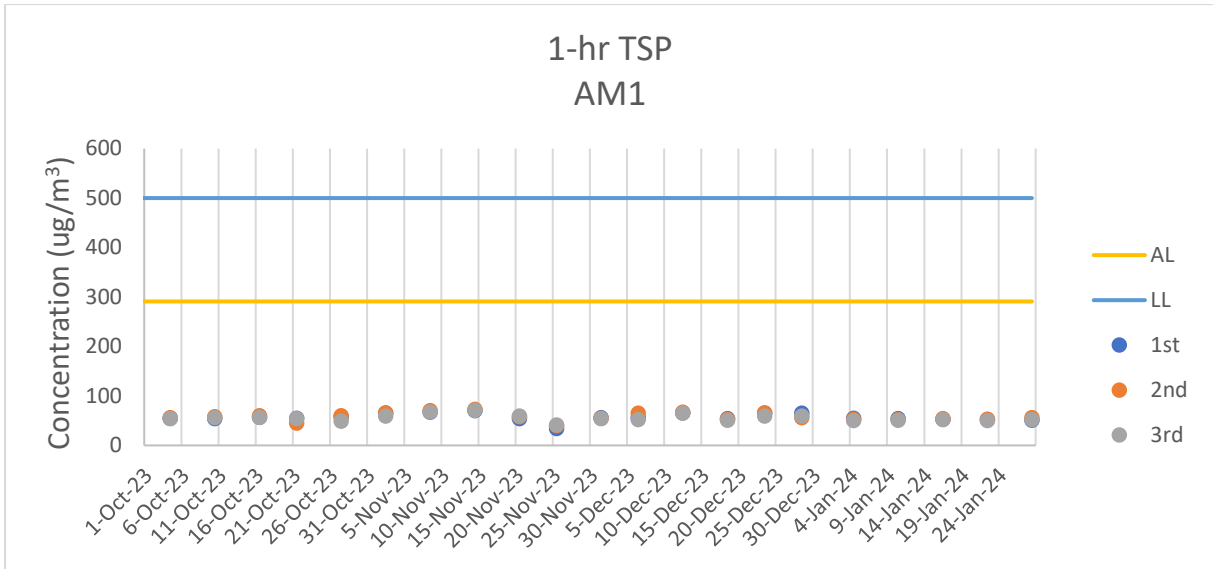
**AM2 - Squatter house at the west of Yuen Long STW**

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		
4/01/2024	fine	13:03	62	60	61	296	500
10/01/2024	fine	13:10	60	62	67		
16/01/2024	fine	13:43	62	56	63		
22/01/2024	fine	13:00	59	54	56		
28/01/2024	fine	13:23	44	48	43		
		Min	43				
		Max	67				
		Average	56				

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)
4/01/2024	08:33	61.2	62.4	56.2	0.3	sunny	75
10/01/2024	08:41	60.4	61.4	56.4	1.8	sunny	75
16/01/2024	09:02	63.2	64.5	55.4	3.4	sunny	75
22/01/2024	08:36	60.3	62.2	54.5	3.1	sunny	75
26/01/2024	08:43	61.1	63.4	53.5	2.5	sunny	75
	<b>Max</b>	63.2					
	<b>Min</b>	60.3					

**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)
4/01/2024	09:54	61.4	63.2	59.9	2.2	sunny	75
10/01/2024	10:21	62.4	62.9	59.3	1.9	sunny	75
16/01/2024	10:42	63.6	64.5	60.3	2	sunny	75
22/01/2024	09:48	62	63.4	57.5	4	sunny	75
26/01/2024	09:51	62.1	64.5	60.5	2.1	sunny	75
	<b>Max</b>	63.6					
	<b>Min</b>	61.4					

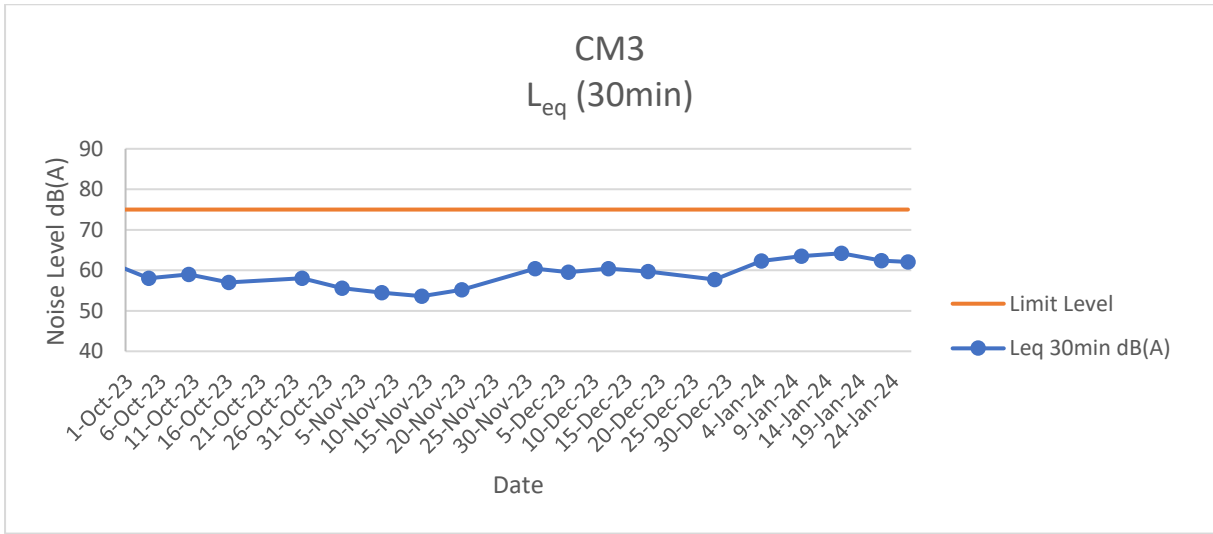
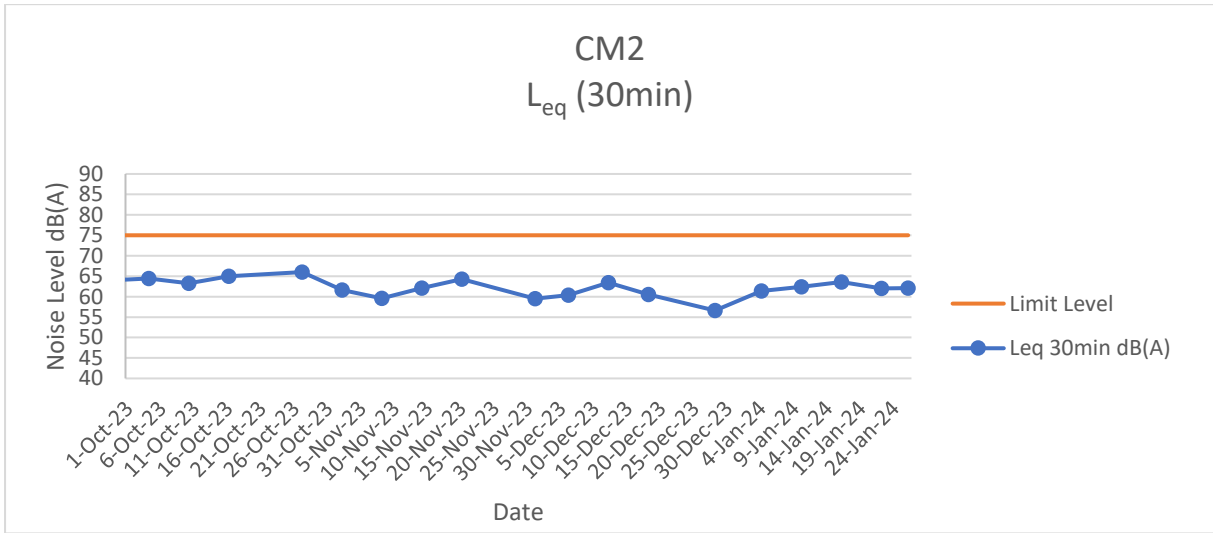
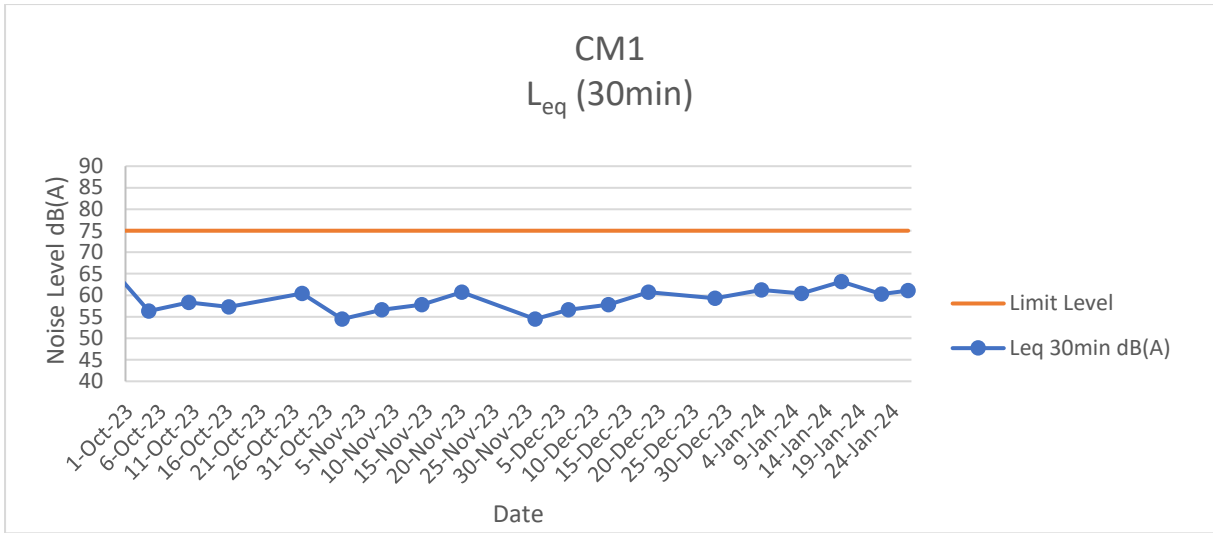
**CM3 - Squatter house to the east of YLSTW**

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)
4/01/2024	11:12	62.3	64.4	60.5	3.4	sunny	75
10/01/2024	11:43	63.5	65.5	60.3	1.8	sunny	75
16/01/2024	11:56	64.2	66.5	61.5	2.4	sunny	75
22/01/2024	11:04	62.4	63.5	60.2	3.7	sunny	75
26/01/2024	11:22	62.1	63.9	59.4	3.6	sunny	75
	<b>Max</b>	64.2					
	<b>Min</b>	62.1					

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	1/01/2024	Mid-Flood	Cloudy	Low	16:23	2.6	M	1.30	1	0.091	170.931	7.26	7.26	7.21	7.22	20.9	20.95	37.2	37.84	2.8	2.85	16.22	16.22	28	37
M1	1/01/2024	Mid-Flood	Cloudy	Low	16:23	2.6	M	1.30	2			7.26	7.26	7.23	7.22	21	20.95	38.4	37.84	2.89	2.85	16.21	16.22	46	41
M2	1/01/2024	Mid-Flood	Cloudy	Low	16:47	2.4	M	1.20	1	0.095	181.344	7.26	7.26	7.19	7.17	20.9	20.90	34.0	34.65	2.56	2.61	15.64	15.72	46	41
M2	1/01/2024	Mid-Flood	Cloudy	Low	16:47	2.4	M	1.20	2			7.25	7.26	7.14	7.16	20.9	20.90	35.2	34.65	2.65	2.61	15.8	15.72	35	41
M3	1/01/2024	Mid-Flood	Cloudy	Low	16:41	2.6	M	1.30	1	0.074	181.549	7.24	7.24	7.13	7.16	20.9	20.95	33.4	34.05	3.51	3.56	18.31	18.28	37	42
M3	1/01/2024	Mid-Flood	Cloudy	Low	16:41	2.6	M	1.30	2			7.24	7.24	7.19	7.16	21	20.95	34.7	34.05	3.61	3.56	18.24	18.28	47	42
M1	1/01/2024	Mid-Ebb	Cloudy	Low	11:55	2.5	M	1.25	1	0.07	340.881	7.21	7.20	7.52	7.51	21.1	21.10	37.1	36.97	2.79	2.78	16.43	16.52	29	28
M1	1/01/2024	Mid-Ebb	Cloudy	Low	11:55	2.5	M	1.25	2			7.19	7.20	7.5	7.51	21.1	21.10	36.8	36.97	2.77	2.78	16.61	16.52	27	28
M2	1/01/2024	Mid-Ebb	Cloudy	Low	11:30	2.2	M	1.10	1	0.072	314.742	7.21	7.21	7.46	7.49	21.1	21.15	35.9	36.58	2.7	2.75	17.70	17.67	18	19
M2	1/01/2024	Mid-Ebb	Cloudy	Low	11:30	2.2	M	1.10	2			7.21	7.21	7.52	7.49	21.2	21.15	37.2	36.58	2.8	2.75	17.63	17.67	20	19
M3	1/01/2024	Mid-Ebb	Cloudy	Low	11:50	2.4	M	1.20	1	0.077	336.462	7.2	7.20	7.37	7.37	21.1	21.10	38.6	38.57	2.9	2.90	19.88	19.88	20	18
M3	1/01/2024	Mid-Ebb	Cloudy	Low	11:50	2.4	M	1.20	2			7.2	7.20	7.37	7.37	21.1	21.10	38.6	38.57	2.9	2.90	19.88	19.88	16	18

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	3/01/2024	Mid-Flood	Sunny	Low	12:36	2.5	M	1.25	1	0.087	185.861	7.14	7.14	6.61	6.66	21.8	21.80	38.4	38.70	2.89	2.91	26.11	26.09	43	39
M1	3/01/2024	Mid-Flood	Sunny	Low	12:36	2.5	M	1.25	2			7.13		6.7		21.8		39.0		2.93		26.07		35	
M2	3/01/2024	Mid-Flood	Sunny	Low	12:57	2.1	M	1.05	1	0.075	167.236	7.19	7.19	6.59	6.55	21.8	21.80	37.4	37.04	2.81	2.79	25.42	25.265	42	42
M2	3/01/2024	Mid-Flood	Sunny	Low	12:57	2.1	M	1.05	2			7.19		6.5		21.8		36.7		2.76		25.11		42	
M3	3/01/2024	Mid-Flood	Sunny	Low	12:54	2	M	1.00	1	0.083	185.545	7.12	7.12	6.62	6.62	21.8	21.80	38.4	38.44	3.89	3.89	29.66	29.62	42	39
M3	3/01/2024	Mid-Flood	Sunny	Low	12:55	2	M	1.00	2			7.11		6.62		21.8		38.4		3.89		29.58		36	
M1	3/01/2024	Mid-Ebb	Sunny	Low	18:39	2.4	M	1.20	1	0.07	317.78	7.14	7.15	6.60	6.60	21.9	21.90	37.0	36.97	2.78	2.78	18.43	18.515	44	40
M1	3/01/2024	Mid-Ebb	Sunny	Low	18:40	2.4	M	1.20	2			7.16		6.6		21.9		37.0		2.78		18.6		35	
M2	3/01/2024	Mid-Ebb	Sunny	Low	18:14	2.1	M	1.05	1	0.079	339.186	7.2	7.20	6.63	6.63	21.7	21.70	38.0	38.04	2.86	2.86	19.11	19.07	39	36
M2	3/01/2024	Mid-Ebb	Sunny	Low	18:14	2.1	M	1.05	2			7.19		6.63		21.7		38.0		2.86		19.03		33	
M3	3/01/2024	Mid-Ebb	Sunny	Low	18:36	2.2	M	1.10	1	0.066	331.317	7.18	7.18	6.63	6.63	21.7	21.70	38.3	38.30	2.88	2.88	28.43	28.43	37	34
M3	3/01/2024	Mid-Ebb	Sunny	Low	18:36	2.2	M	1.10	2			7.18		6.63		21.7		38.3		2.88		28.43		30	

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	5/01/2024	Mid-Flood	Cloudy	Low	9:40	2.8	M	1.40	1	0.095	177.269	7.3	7.30	7.03	7.02	19.6	19.65	40.3	40.17	3.03	3.02	19.32	19.18	24	21
M1	5/01/2024	Mid-Flood	Cloudy	Low	9:41	2.8	M	1.40	2			7.3		7		19.7		40.0		3.01		19.03		18	
M2	5/01/2024	Mid-Flood	Cloudy	Low	10:08	2.6	M	1.30	1	0.079	168.339	7.28	7.28	7.08	7.07	19.6	19.60	39.5	38.70	2.97	2.91	20.55	20.38	29	30
M2	5/01/2024	Mid-Flood	Cloudy	Low	10:08	2.6	M	1.30	2			7.28		7.05		19.6		37.9		2.85		20.21		30	
M3	5/01/2024	Mid-Flood	Cloudy	Low	10:23	2.6	M	1.30	1	0.084	173.052	7.29	7.30	7.09	7.09	19.6	19.65	39.4	39.24	3.96	3.95	32.60	32.75	16	18
M3	5/01/2024	Mid-Flood	Cloudy	Low	10:23	2.6	M	1.30	2			7.31		7.08		19.7		39.1		3.94		32.89		20	
M1	5/01/2024	Mid-Ebb	Cloudy	Low	14:11	2.5	M	1.25	1	0.058	320.829	7.25	7.25	7.25	7.26	19.7	19.75	37.8	37.04	2.84	2.79	17.83	17.775	28	26
M1	5/01/2024	Mid-Ebb	Cloudy	Low	14:11	2.5	M	1.25	2			7.24		7.27		19.8		36.3		2.73		17.72		23	
M2	5/01/2024	Mid-Ebb	Cloudy	Low	13:44	2.4	M	1.20	1	0.06	338.905	7.24	7.25	7.26	7.30	19.7	19.75	37.9	37.44	2.85	2.82	18.62	18.76	25	23
M2	5/01/2024	Mid-Ebb	Cloudy	Low	13:44	2.4	M	1.20	2			7.26		7.34		19.8		37.0		2.78		18.90		20	
M3	5/01/2024	Mid-Ebb	Cloudy	Low	14:05	2.4	M	1.20	1	0.079	344.001	7.25	7.24	7.36	7.32	19.7	19.70	36.6	36.11	2.75	2.72	34.81	34.85	23	22
M3	5/01/2024	Mid-Ebb	Cloudy	Low	14:05	2.4	M	1.20	2			7.23		7.28		19.7		35.6		2.68		34.89		20	

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	8/01/2024	Mid-Flood	Cloudy	Low	11:15	2.4	M	1.20	1	0.082	187.734	7.16	7.16	10.05	10.03	20.5	20.55	37.4	38.04	2.81	2.86	11.72	11.64	19	19
M1	8/01/2024	Mid-Flood	Cloudy	Low	11:15	2.4	M	1.20	2			7.16		10.01		20.6		38.7		2.91		11.55		18	
M2	8/01/2024	Mid-Flood	Cloudy	Low	11:43	2.1	M	1.05	1	0.079	173.219	7.11	7.12	9.85	9.88	20.5	20.55	37.4	37.71	2.81	2.84	11.84	11.92	22	25
M2	8/01/2024	Mid-Flood	Cloudy	Low	11:44	2.1	M	1.05	2			7.13		9.91		20.6		38.0		2.86		12		27	
M3	8/01/2024	Mid-Flood	Cloudy	Low	11:38	2	M	1.00	1	0.09	170.305	7.19	7.19	9.90	9.89	20.5	20.50	33.9	33.72	3.55	3.54	28.99	28.87	21	21
M3	8/01/2024	Mid-Flood	Cloudy	Low	11:38	2	M	1.00	2			7.18		9.87		20.5		33.5		3.52		28.74		21	
M1	8/01/2024	Mid-Ebb	Cloudy	Low	16:21	2.4	M	1.20	1	0.068	324.231	7.11	7.12	10.00	9.98	20.6	20.65	36.3	35.44	2.73	2.67	11.84	11.635	19	22
M1	8/01/2024	Mid-Ebb	Cloudy	Low	16:22	2.4	M	1.20	2			7.13		9.96		20.7		34.6		2.6		11.43		25	
M2	8/01/2024	Mid-Ebb	Cloudy	Low	15:58	2.2	M	1.10	1	0.066	326.319	7.12	7.12	9.88	9.90	20.6	20.65	36.3	36.38	2.73	2.74	8.82	8.93	24	23
M2	8/01/2024	Mid-Ebb	Cloudy	Low	15:58	2.2	M	1.10	2			7.12		9.92		20.7		36.4		2.74		9.04		21	
M3	8/01/2024	Mid-Ebb	Cloudy	Low	16:18	2	M	1.00	1	0.063	318.212	7.14	7.13	9.89	9.85	20.6	20.65	38.4	38.70	2.89	2.91	26.43	26.585	36	40
M3	8/01/2024	Mid-Ebb	Cloudy	Low	16:18	2	M	1.00	2			7.12		9.81		20.7		39.0		2.93		26.74		43	

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	10/01/2024	Mid-Flood	Sunny	Low	12:48	2.6	M	1.30	1	0.088	177.813	7.18	7.17	9.34	9.38	20.6	20.60	36.4	36.31	2.74	2.73	11.73	11.87	34	33
M1	10/01/2024	Mid-Flood	Sunny	Low	12:49	2.6	M	1.30	2			7.16				9.41				20.6				36.2	
M2	10/01/2024	Mid-Flood	Sunny	Low	13:11	2.3	M	1.15	1	0.077	176.505	7.11	7.10	9.33	9.38	20.6	20.65	35.8	35.11	2.69	2.64	11.80	11.955	35	34
M2	10/01/2024	Mid-Flood	Sunny	Low	13:11	2.3	M	1.15	2							7.09				9.42				20.7	
M3	10/01/2024	Mid-Flood	Sunny	Low	13:05	2.6	M	1.30	1	0.085	180.198	7.18	7.19	9.45	9.47	20.6	20.65	37.4	36.97	3.81	3.78	30.48	30.49	40	36
M3	10/01/2024	Mid-Flood	Sunny	Low	13:05	2.6	M	1.30	2							7.19				9.48				20.7	
M1	10/01/2024	Mid-Ebb	Sunny	Low	10:39	2.5	M	1.25	1	0.058	306.169	7.14	7.15	9.32	9.29	20.8	20.85	37.2	37.17	2.8	2.80	11.60	11.435	33	35
M1	10/01/2024	Mid-Ebb	Sunny	Low	10:40	2.5	M	1.25	2							7.16				9.26				20.9	
M2	10/01/2024	Mid-Ebb	Sunny	Low	10:06	2.4	M	1.20	1	0.079	329.564	7.18	7.17	9.41	9.42	20.8	20.85	36.4	35.58	2.74	2.68	11.95	11.97	33	32
M2	10/01/2024	Mid-Ebb	Sunny	Low	10:07	2.4	M	1.20	2							7.16				9.43				20.9	
M3	10/01/2024	Mid-Ebb	Sunny	Low	10:36	2.1	M	1.05	1	0.063	304.842	7.24	7.25	9.36	9.34	20.8	20.85	35.8	35.44	2.69	2.67	31.84	31.665	41	34
M3	10/01/2024	Mid-Ebb	Sunny	Low	10:36	2.1	M	1.05	2							7.25				9.31				20.9	

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	12/01/2024	Mid-Flood	Cloudy	Low	14:03	2.6	M	1.30	1	0.075	189.843	7.15	7.14	9.96	9.96	20.6	20.60	38.6	38.37	2.9	2.89	11.70	11.59	49	47
M1	12/01/2024	Mid-Flood	Cloudy	Low	14:03	2.6	M	1.30	2			7.13		9.96		20.6		38.2		2.87		11.48		45	
M2	12/01/2024	Mid-Flood	Cloudy	Low	14:32	2.4	M	1.20	1	0.08	178.615	7.16	7.16	10.09	10.09	20.6	20.60	37.6	36.91	2.83	2.78	11.89	11.905	54	49
M2	12/01/2024	Mid-Flood	Cloudy	Low	14:32	2.4	M	1.20	2			7.15		10.08		20.6		36.2		2.72		11.92		44	
M3	12/01/2024	Mid-Flood	Cloudy	Low	14:25	2.2	M	1.10	1	0.093	182.188	7.13	7.14	9.44	9.45	20.6	20.60	37.0	37.64	3.78	3.83	26.77	26.95	56	60
M3	12/01/2024	Mid-Flood	Cloudy	Low	14:25	2.2	M	1.10	2			7.14		9.46		20.6		38.3		3.88		27.12		64	
M1	12/01/2024	Mid-Ebb	Cloudy	Low	9:57	2.5	M	1.25	1	0.063	342.966	7.18	7.17	9.83	9.79	20.4	20.40	34.7	34.51	2.61	2.60	12.35	12.215	46	47
M1	12/01/2024	Mid-Ebb	Cloudy	Low	9:57	2.5	M	1.25	2			7.16		9.75		20.4		34.3		2.58		12.08		47	
M2	12/01/2024	Mid-Ebb	Cloudy	Low	9:20	2.4	M	1.20	1	0.059	332.336	7.19	7.20	9.91	9.88	20.4	20.40	36.8	37.17	2.77	2.80	12.68	12.47	43	42
M2	12/01/2024	Mid-Ebb	Cloudy	Low	9:20	2.4	M	1.20	2			7.21		9.85		20.4		37.5		2.82		12.26		40	
M3	12/01/2024	Mid-Ebb	Cloudy	Low	9:44	2.4	M	1.20	1	0.076	313.696	7.13	7.14	10.07	10.04	20.4	20.40	35.5	35.98	2.67	2.71	29.31	29.36	22	22
M3	12/01/2024	Mid-Ebb	Cloudy	Low	9:45	2.4	M	1.20	2			7.15		10.00		20.4		36.4		2.74		29.41		22	

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	15/01/2024	Mid-Flood	Sunny	Low	16:39	2.5	M	1.25	1	0.094	174.248	7.2	7.20	8.71	8.67	21.3	21.35	37.5	37.91	2.82	2.85	15.40	15.36	58	65
M1	15/01/2024	Mid-Flood	Sunny	Low	16:39	2.5	M	1.25	2			7.2		8.62	8.67	21.4	21.35	38.3	37.91	2.88	2.85	15.32	15.36	71	65
M2	15/01/2024	Mid-Flood	Sunny	Low	17:03	2.3	M	1.15	1	0.078	183.438	7.24	7.25	8.33	8.35	21.3	21.30	39.8	40.17	2.99	3.02	15.80	15.645	61	56
M2	15/01/2024	Mid-Flood	Sunny	Low	17:03	2.3	M	1.15	2			7.25		8.36	8.35	21.3	21.30	40.6	40.17	3.05	3.02	15.49	15.645	51	56
M3	15/01/2024	Mid-Flood	Sunny	Low	16:55	2.1	M	1.05	1	0.085	180.943	7.28	7.27	8.48	8.49	21.3	21.35	37.0	37.71	3.78	3.84	31.43	31.23	75	78
M3	15/01/2024	Mid-Flood	Sunny	Low	16:56	2.1	M	1.05	2			7.26		8.49	8.49	21.4	21.35	38.4	37.71	3.89	3.84	31.03	31.23	81	78
M1	15/01/2024	Mid-Ebb	Sunny	Low	11:46	2.4	M	1.20	1	0.061	316.628	7.18	7.17	8.55	8.53	21.5	21.55	35.8	35.38	2.69	2.66	16.35	16.265	56	57
M1	15/01/2024	Mid-Ebb	Sunny	Low	11:46	2.4	M	1.20	2			7.16		8.51	8.53	21.6	21.55	35.0	35.38	2.63	2.66	16.18	16.265	57	57
M2	15/01/2024	Mid-Ebb	Sunny	Low	11:11	2.1	M	1.05	1	0.079	323.106	7.2	7.21	8.68	8.68	21.5	21.50	37.5	37.77	2.82	2.84	16.48	16.41	55	49
M2	15/01/2024	Mid-Ebb	Sunny	Low	11:11	2.1	M	1.05	2			7.22		8.67	8.68	21.5	21.50	38.0	37.77	2.86	2.84	16.33	16.41	43	49
M3	15/01/2024	Mid-Ebb	Sunny	Low	11:40	1.8	M	0.90	1	0.064	303.868	7.21	7.22	8.90	8.90	21.5	21.50	37.6	38.10	2.83	2.87	33.45	33.29	32	29
M3	15/01/2024	Mid-Ebb	Sunny	Low	11:41	1.8	M	0.90	2			7.23		8.89	8.90	21.5	21.50	38.6	38.10	2.9	2.87	33.13	33.29	26	29

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For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	17/01/2024	Mid-Flood	Sunny	Low	16:41	2.6	M	1.30	1	0.083	184.284	7.24	7.24	4.56	4.56	21.8	21.80	36.4	36.51	2.74	2.75	21.81	21.70	39	39
M1	17/01/2024	Mid-Flood	Sunny	Low	16:41	2.6	M	1.30	2			7.23	7.24	4.56	4.56	21.8	21.80	36.6	36.51	2.75	2.75	21.58	21.70	39	39
M2	17/01/2024	Mid-Flood	Sunny	Low	17:09	2.4	M	1.20	1	0.075	161.268	7.27	7.28	4.33	4.37	21.8	21.80	36.4	36.71	2.74	2.76	20.73	20.775	43	41
M2	17/01/2024	Mid-Flood	Sunny	Low	17:10	2.4	M	1.20	2			7.29	7.28	4.41	4.41	21.8	21.80	37.0	36.71	2.78	2.76	20.82	20.775	38	41
M3	17/01/2024	Mid-Flood	Sunny	Low	16:48	2.3	M	1.15	1	0.086	167.199	7.22	7.23	4.45	4.41	21.8	21.85	34.6	34.58	3.6	3.60	36.56	36.72	37	39
M3	17/01/2024	Mid-Flood	Sunny	Low	16:48	2.3	M	1.15	2			7.23	7.23	4.37	4.41	21.9	21.85	34.6	34.58	3.6	3.60	36.87	36.72	41	39
M1	17/01/2024	Mid-Ebb	Sunny	Low	13:07	2.3	M	1.15	1	0.066	328.104	7.19	7.18	4.82	4.86	22.0	22.00	38.6	39.30	2.9	2.96	17.85	17.725	32	34
M1	17/01/2024	Mid-Ebb	Sunny	Low	13:08	2.3	M	1.15	2			7.17	7.18	4.89	4.86	22.0	22.00	40.0	39.30	3.01	2.96	17.60	17.725	35	34
M2	17/01/2024	Mid-Ebb	Sunny	Low	12:31	2.1	M	1.05	1	0.077	315.791	7.16	7.16	4.55	4.57	22.0	22.05	37.2	36.97	2.8	2.78	18.70	18.79	38	35
M2	17/01/2024	Mid-Ebb	Sunny	Low	12:31	2.1	M	1.05	2			7.15	7.16	4.59	4.57	22.1	22.05	36.7	36.97	2.76	2.78	18.87	18.79	31	35
M3	17/01/2024	Mid-Ebb	Sunny	Low	12:49	2	M	1.00	1	0.074	335.825	7.2	7.20	4.86	4.86	22.0	22.05	37.5	36.64	2.82	2.76	36.90	37.03	24	20
M3	17/01/2024	Mid-Ebb	Sunny	Low	12:49	2	M	1.00	2			7.2	7.20	4.85	4.86	22.1	22.05	35.8	36.64	2.69	2.76	37.16	37.03	15	20

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For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	19/01/2024	Mid-Flood	Cloudy	Low	17:50	2.5	M	1.25	1	0.095	168.313	7.3	7.31	7.68	7.65	20.6	20.65	43.9	44.16	3.3	3.32	17.50	17.64	17	16
M1	19/01/2024	Mid-Flood	Cloudy	Low	17:50	2.5	M	1.25	2			7.31	7.31	7.61	7.65	20.7	20.65	44.4	44.16	3.34	3.32	17.77	17.64	14	16
M2	19/01/2024	Mid-Flood	Cloudy	Low	18:22	1.9	M	0.95	1	0.093	185.544	7.28	7.28	7.40	7.39	20.6	20.65	42.3	41.76	3.18	3.14	15.30	15.415	13	15
M2	19/01/2024	Mid-Flood	Cloudy	Low	18:22	1.9	M	0.95	2			7.27	7.27	7.37	7.39	20.7	20.65	41.2	41.76	3.1	3.14	15.53	15.415	16	15
M3	19/01/2024	Mid-Flood	Cloudy	Low	18:16	2.1	M	1.05	1	0.084	163.962	7.25	7.25	7.37	7.39	20.6	20.60	41.8	42.36	4.14	4.19	34.24	34.16	17	18
M3	19/01/2024	Mid-Flood	Cloudy	Low	18:16	2.1	M	1.05	2			7.25	7.25	7.40	7.39	20.6	20.60	43.0	42.36	4.23	4.19	34.07	34.16	18	18
M1	19/01/2024	Mid-Ebb	Cloudy	Low	14:08	2.4	M	1.20	1	0.077	317.861	7.19	7.19	6.90	6.91	20.4	20.45	39.4	38.44	2.96	2.89	18.60	18.575	17	16
M1	19/01/2024	Mid-Ebb	Cloudy	Low	14:08	2.4	M	1.20	2			7.19	7.19	6.92	6.91	20.5	20.45	37.5	38.44	2.82	2.89	18.55	18.575	15	16
M2	19/01/2024	Mid-Ebb	Cloudy	Low	13:39	1.8	M	0.90	1	0.071	312.775	7.2	7.20	6.88	6.91	20.4	20.45	37.5	38.04	2.82	2.86	16.45	16.50	12	16
M2	19/01/2024	Mid-Ebb	Cloudy	Low	13:40	1.8	M	0.90	2			7.2	7.20	6.94	6.91	20.5	20.45	38.6	38.04	2.9	2.86	16.55	16.50	19	16
M3	19/01/2024	Mid-Ebb	Cloudy	Low	14:01	2.2	M	1.10	1	0.072	325.615	7.23	7.22	6.72	6.72	20.4	20.40	40.7	40.03	3.06	3.01	36.64	36.685	10	9
M3	19/01/2024	Mid-Ebb	Cloudy	Low	14:01	2.2	M	1.10	2			7.21	7.22	6.71	6.72	20.4	20.40	39.4	40.03	2.96	3.01	36.73	36.685	8	9

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For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	22/01/2024	Mid-Flood	Cloudy	Low	11:14	2.6	M	1.30	1	0.081	185.09	7.18	7.19	4.32	4.28	20.5	20.50	38.3	39.04	2.88	2.94	14.87	14.92	32	32
M1	22/01/2024	Mid-Flood	Cloudy	Low	11:14	2.6	M	1.30	2			7.19			4.24	4.28	20.5	20.50	39.8	39.04	2.99	2.94	14.97	14.92	31
M2	22/01/2024	Mid-Flood	Cloudy	Low	11:51	2.2	M	1.10	1	0.077	168.694	7.12	7.13	4.47	4.50	20.5	20.55	37.6	38.24	2.83	2.88	13.88	13.8	37	32
M2	22/01/2024	Mid-Flood	Cloudy	Low	11:51	2.2	M	1.10	2						7.13		4.52	4.50	20.6	20.55	38.8	38.24	2.92	2.88	
M3	22/01/2024	Mid-Flood	Cloudy	Low	11:48	2	M	1.00	1	0.083	178.335	7.15	7.16	4.46	4.46	20.5	20.50	36.2	36.44	3.72	3.74	30.55	30.42	19	18
M3	22/01/2024	Mid-Flood	Cloudy	Low	11:48	2	M	1.00	2						7.17		4.45	4.46	20.5	20.50	36.7	36.44	3.76	3.74	
M1	22/01/2024	Mid-Ebb	Cloudy	Low	16:12	2.4	M	1.20	1	0.078	325.395	7.16	7.16	3.91	3.90	20.3	20.35	39.6	39.90	2.98	3.00	16.77	16.82	24	24
M1	22/01/2024	Mid-Ebb	Cloudy	Low	16:12	2.4	M	1.20	2						7.16		3.89	3.90	20.4	20.35	40.2	39.90	3.02	3.00	
M2	22/01/2024	Mid-Ebb	Cloudy	Low	15:43	2.1	M	1.05	1	0.06	325.393	7.11	7.10	4.06	4.03	20.3	20.30	37.6	38.30	2.83	2.88	16.54	16.45	20	19
M2	22/01/2024	Mid-Ebb	Cloudy	Low	15:44	2.1	M	1.05	2						7.09		4.00	4.03	20.3	20.30	39.0	38.30	2.93	2.88	
M3	22/01/2024	Mid-Ebb	Cloudy	Low	15:53	2	M	1.00	1	0.059	303.509	7.14	7.15	4.12	4.13	20.3	20.35	37.1	36.51	2.79	2.75	28.41	28.47	26	18
M3	22/01/2024	Mid-Ebb	Cloudy	Low	15:53	2	M	1.00	2						7.16		4.14	4.13	20.4	20.35	35.9	36.51	2.7	2.75	

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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	24/01/2024	Mid-Flood	Cloudy	Low	12:36	2.4	M	1.20	1	0.073	183.103	7.21	7.21	4.68	4.69	19.7	19.70	39.8	40.50	2.99	3.05	19.22	19.37	36	37
M1	24/01/2024	Mid-Flood	Cloudy	Low	12:36	2.4	M	1.20	2			7.21		4.7		19.7		41.2		3.1		19.51		38	
M2	24/01/2024	Mid-Flood	Cloudy	Low	13:01	2	M	1.00	1	0.093	176.252	7.2	7.21	4.77	4.73	19.7	19.70	40.4	39.97	3.04	3.01	20.18	20.25	31	36
M2	24/01/2024	Mid-Flood	Cloudy	Low	13:01	2	M	1.00	2			7.21		4.68		19.7		39.5		2.97		20.32		40	
M3	24/01/2024	Mid-Flood	Cloudy	Low	12:55	1.8	M	0.90	1	0.073	177.414	7.23	7.23	4.89	4.90	19.7	19.75	41.0	41.70	4.08	4.14	36.72	36.52	33	34
M3	24/01/2024	Mid-Flood	Cloudy	Low	12:56	1.8	M	0.90	2			7.23		4.90		19.8		42.4		4.19		36.32		35	
M1	24/01/2024	Mid-Ebb	Cloudy	Low	8:35	2.3	M	1.15	1	0.061	300.879	7.22	7.23	5.05	5.06	19.5	19.50	41.5	41.83	3.12	3.15	20.71	20.77	39	34
M1	24/01/2024	Mid-Ebb	Cloudy	Low	8:36	2.3	M	1.15	2			7.24		5.07		19.5		42.2		3.17		20.83		28	
M2	24/01/2024	Mid-Ebb	Cloudy	Low	8:01	2.1	M	1.05	1	0.06	339.209	7.23	7.23	5.19	5.16	19.5	19.55	41.9	41.63	3.15	3.13	20.25	20.35	32	33
M2	24/01/2024	Mid-Ebb	Cloudy	Low	8:01	2.1	M	1.05	2			7.22		5.13		19.6		41.4		3.11		20.44		33	
M3	24/01/2024	Mid-Ebb	Cloudy	Low	8:32	2	M	1.00	1	0.065	341.824	7.23	7.24	5.32	5.34	19.5	19.50	40.4	39.77	3.04	2.99	39.90	40.075	35	25
M3	24/01/2024	Mid-Ebb	Cloudy	Low	8:32	2	M	1.00	2			7.24		5.35		19.5		39.1		2.94		40.25		15	

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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	26/01/2024	Mid-Flood	Sunny	Low	13:38	2.8	M	1.40	1	0.095	187.964	7.28	7.29	3.42	3.43	19.8	19.85	35.6	35.25	2.68	2.65	13.44	13.23	42	40
M1	26/01/2024	Mid-Flood	Sunny	Low	13:39	2.8	M	1.40	2			7.3				3.44				19.9				34.8	
M2	26/01/2024	Mid-Flood	Sunny	Low	14:12	2.6	M	1.30	1	0.076	183.658	7.26	7.26	3.44	3.40	19.8	19.80	37.5	36.84	2.82	2.77	13.90	13.795	40	39
M2	26/01/2024	Mid-Flood	Sunny	Low	14:12	2.6	M	1.30	2							7.25				3.36				19.8	
M3	26/01/2024	Mid-Flood	Sunny	Low	14:25	2.6	M	1.30	1	0.088	167.419	7.31	7.32	3.58	3.54	19.8	19.85	36.7	36.38	3.76	3.74	29.87	29.75	38	39
M3	26/01/2024	Mid-Flood	Sunny	Low	14:25	2.6	M	1.30	2							7.32				3.49				19.9	
M1	26/01/2024	Mid-Ebb	Sunny	Low	9:35	2.5	M	1.25	1	0.079	344.938	7.29	7.29	3.68	3.70	20.1	20.10	38.8	39.10	2.92	2.94	14.25	14.325	40	41
M1	26/01/2024	Mid-Ebb	Sunny	Low	9:36	2.5	M	1.25	2							7.28				3.72				20.1	
M2	26/01/2024	Mid-Ebb	Sunny	Low	8:56	2.4	M	1.20	1	0.067	319.792	7.26	7.26	3.74	3.79	20.1	20.10	36.8	37.17	2.77	2.80	14.83	14.77	31	32
M2	26/01/2024	Mid-Ebb	Sunny	Low	8:57	2.4	M	1.20	2							7.25				3.83				20.1	
M3	26/01/2024	Mid-Ebb	Sunny	Low	9:48	2.4	M	1.20	1	0.078	314.548	7.28	7.27	3.68	3.73	20.1	20.15	37.6	37.64	2.83	2.83	28.55	28.395	24	23
M3	26/01/2024	Mid-Ebb	Sunny	Low	9:48	2.4	M	1.20	2							7.26				3.77				20.2	

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For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	29/01/2024	Mid-Flood	Sunny	Low	15:22	2.5	M	1.25	1	0.078	178.519	7.16	7.16	5.68	5.67	21.6	21.60	41.4	41.30	3.11	3.11	26.90	27.06	37	35
M1	29/01/2024	Mid-Flood	Sunny	Low	15:22	2.5	M	1.25	2			7.15		5.66		21.6		41.2		3.1		27.21		33	
M2	29/01/2024	Mid-Flood	Sunny	Low	15:56	2.3	M	1.15	1	0.073	185.235	7.12	7.13	5.77	5.74	21.6	21.65	42.3	42.09	3.18	3.17	27.87	27.875	32	33
M2	29/01/2024	Mid-Flood	Sunny	Low	15:57	2.3	M	1.15	2			7.13		5.71		21.7		41.9		3.15		27.88		33	
M3	29/01/2024	Mid-Flood	Sunny	Low	15:48	2.1	M	1.05	1	0.094	182.807	7.19	7.20	5.46	5.49	21.6	21.60	43.4	43.36	4.26	4.26	39.44	39.49	34	33
M3	29/01/2024	Mid-Flood	Sunny	Low	15:48	2.1	M	1.05	2			7.21		5.51		21.6		43.4		4.26		39.53		31	
M1	29/01/2024	Mid-Ebb	Sunny	Low	10:41	2.4	M	1.20	1	0.067	336.445	7.18	7.18	5.31	5.32	21.4	21.40	46.0	46.62	3.46	3.51	23.50	23.31	25	27
M1	29/01/2024	Mid-Ebb	Sunny	Low	10:42	2.4	M	1.20	2			7.17		5.33		21.4		47.2		3.55		23.12		29	
M2	29/01/2024	Mid-Ebb	Sunny	Low	10:09	2.2	M	1.10	1	0.078	308.701	7.13	7.13	5.37	5.39	21.4	21.40	45.1	45.42	3.39	3.42	23.60	23.54	29	29
M2	29/01/2024	Mid-Ebb	Sunny	Low	10:10	2.2	M	1.10	2			7.12		5.41		21.4		45.8		3.44		23.48		29	
M3	29/01/2024	Mid-Ebb	Sunny	Low	10:36	2	M	1.00	1	0.07	340.223	7.11	7.10	5.14	5.17	21.4	21.45	44.6	43.89	3.35	3.30	37.20	37.105	29	26
M3	29/01/2024	Mid-Ebb	Sunny	Low	10:36	2	M	1.00	2			7.09		5.20		21.5		43.2		3.25		37.01		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	31/01/2024	Mid-Flood	Cloudy	Low	16:33	2.5	M	1.25	1	0.083	178.88	7.26	7.27	6.77	6.75	22.1	22.10	40.2	39.63	3.02	2.98	21.45	21.30	31	31
M1	31/01/2024	Mid-Flood	Cloudy	Low	16:33	2.5	M	1.25	2			7.27		6.72		22.1		39.1		2.94		21.14		30	
M2	31/01/2024	Mid-Flood	Cloudy	Low	16:59	2.2	M	1.10	1	0.073	186.883	7.28	7.28	6.38	6.38	22.1	22.10	39.2	39.70	2.95	2.99	20.48	20.365	31	33
M2	31/01/2024	Mid-Flood	Cloudy	Low	17:00	2.2	M	1.10	2			7.28		6.37		22.1		40.2		3.02		20.25		34	
M3	31/01/2024	Mid-Flood	Cloudy	Low	16:38	2.1	M	1.05	1	0.089	177.216	7.25	7.26	6.59	6.55	22.1	22.10	38.3	37.37	3.88	3.81	39.55	39.51	41	39
M3	31/01/2024	Mid-Flood	Cloudy	Low	16:38	2.1	M	1.05	2			7.27		6.51		22.1		36.4		3.74		39.47		37	
M1	31/01/2024	Mid-Ebb	Cloudy	Low	11:28	2.5	M	1.25	1	0.099	306.105	7.24	7.25	5.78	5.75	22.4	22.45	37.6	37.51	2.83	2.82	18.72	18.52	50	44
M1	31/01/2024	Mid-Ebb	Cloudy	Low	11:29	2.5	M	1.25	2			7.25		5.72		22.5		37.4		2.81		18.32		37	
M2	31/01/2024	Mid-Ebb	Cloudy	Low	10:49	2.4	M	1.20	1	0.108	340.148	7.23	7.24	5.61	5.64	22.4	22.40	39.6	40.23	2.98	3.03	19.76	19.79	36	37
M2	31/01/2024	Mid-Ebb	Cloudy	Low	10:50	2.4	M	1.20	2			7.25		5.67		22.4		40.8		3.07		19.81		37	
M3	31/01/2024	Mid-Ebb	Cloudy	Low	11:37	2.2	M	1.10	1	0.068	345.05	7.2	7.19	5.68	5.71	22.4	22.45	38.0	37.84	2.86	2.85	33.48	33.37	19	16
M3	31/01/2024	Mid-Ebb	Cloudy	Low	11:37	2.2	M	1.10	2			7.18		5.73		22.5		37.6		2.83		33.26		12	

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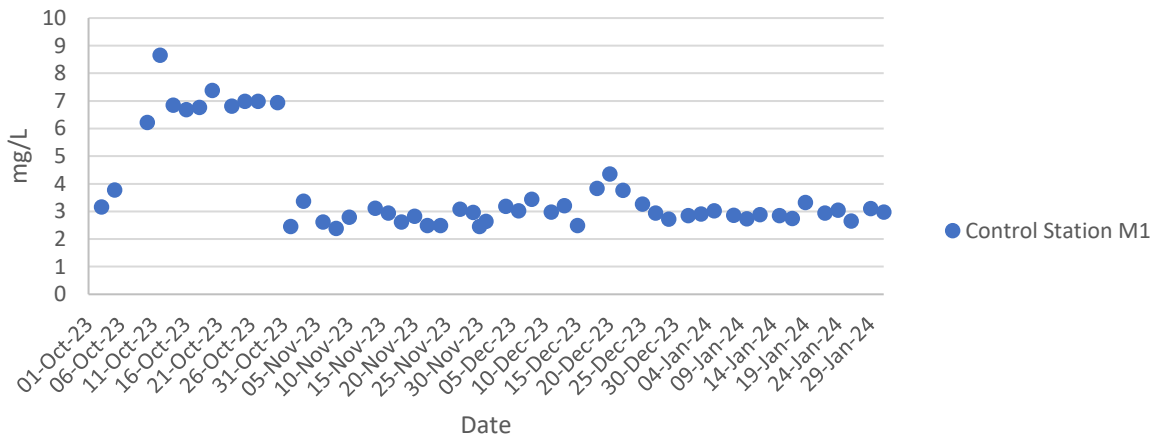
For Flood Tide

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

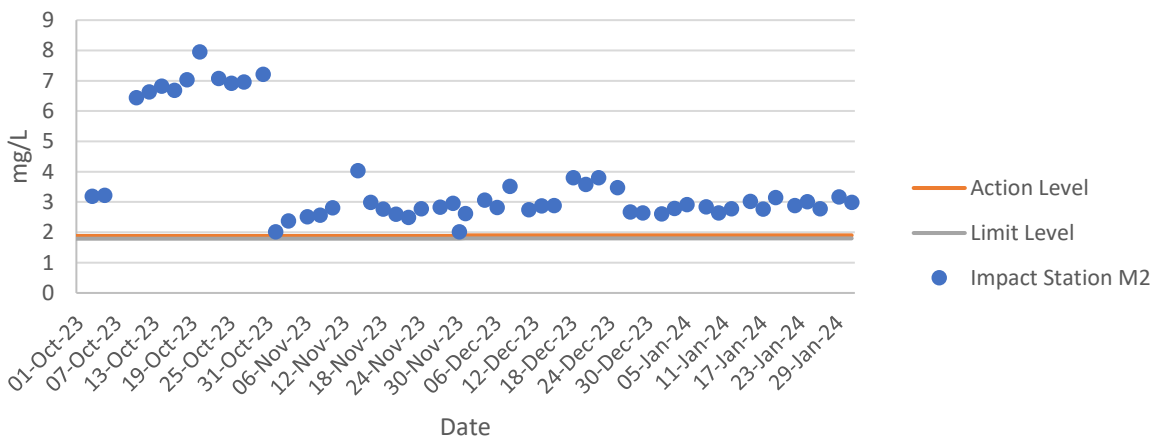
For Ebb Tide

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

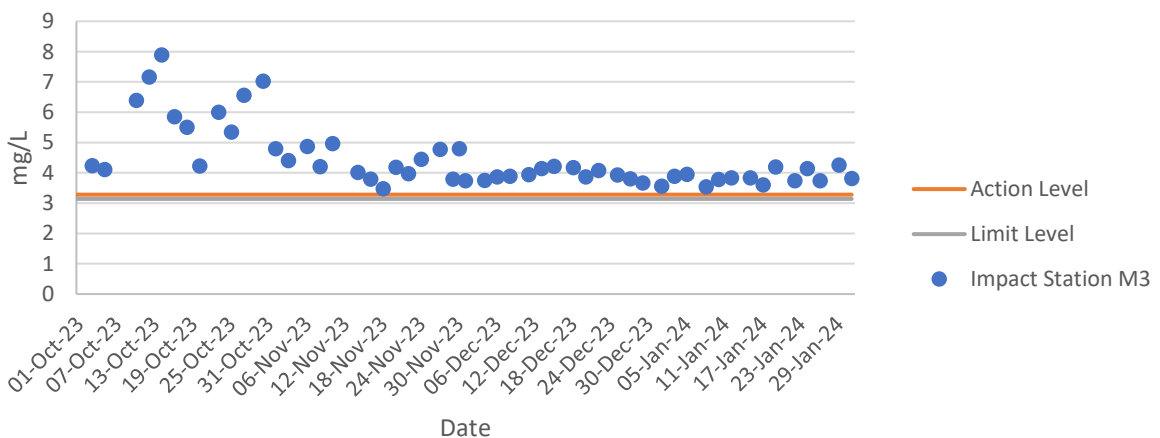
### Dissolved Oxygen at Mid-Flood Tide



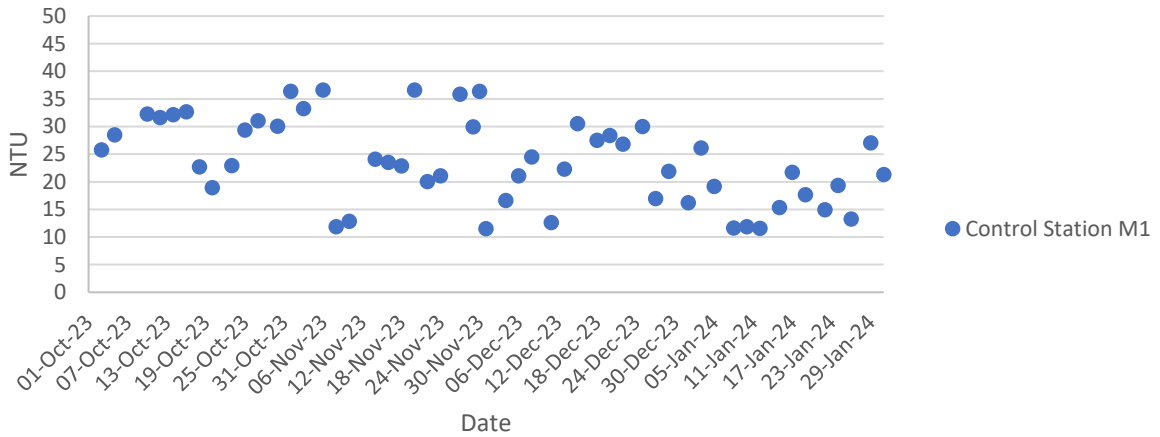
### Dissolved Oxygen at Mid-Flood Tide



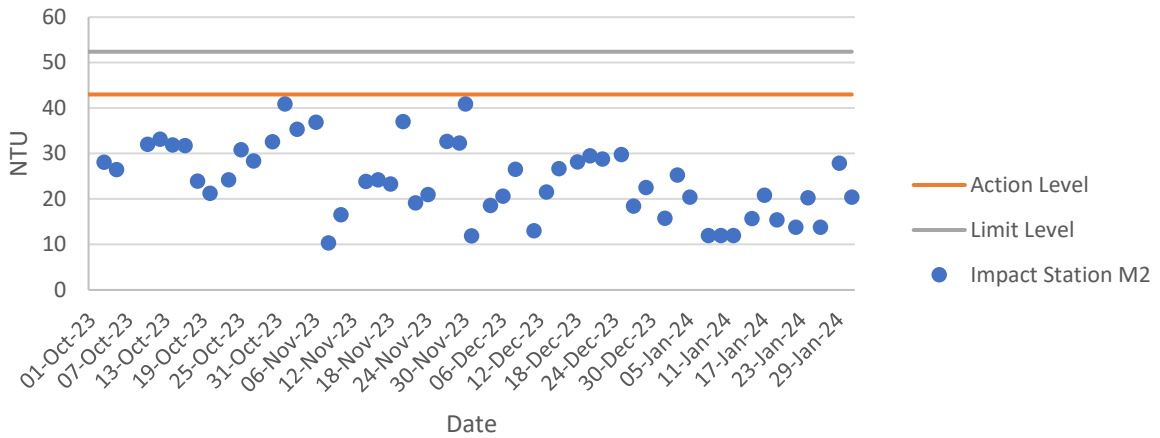
### Dissolved Oxygen at Mid-Flood Tide



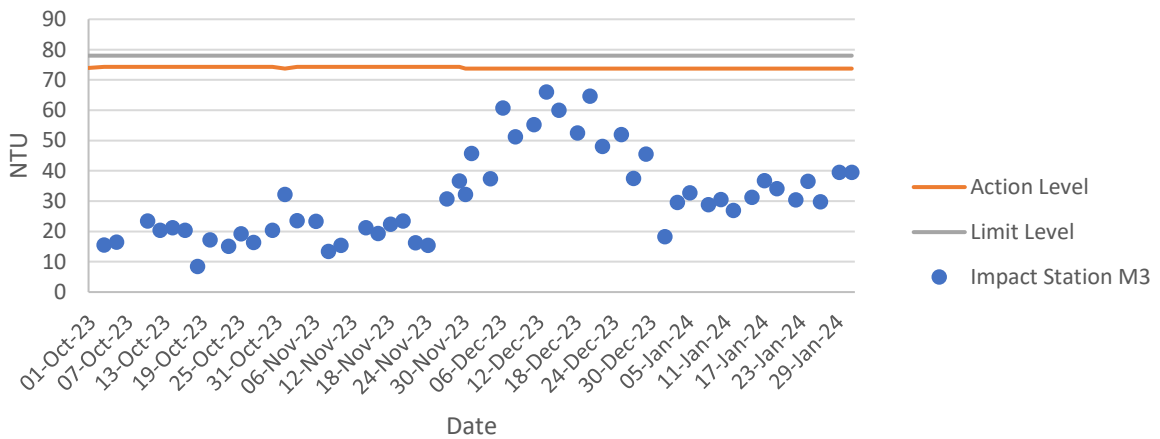
### Turbidity at Mid-Flood Tide



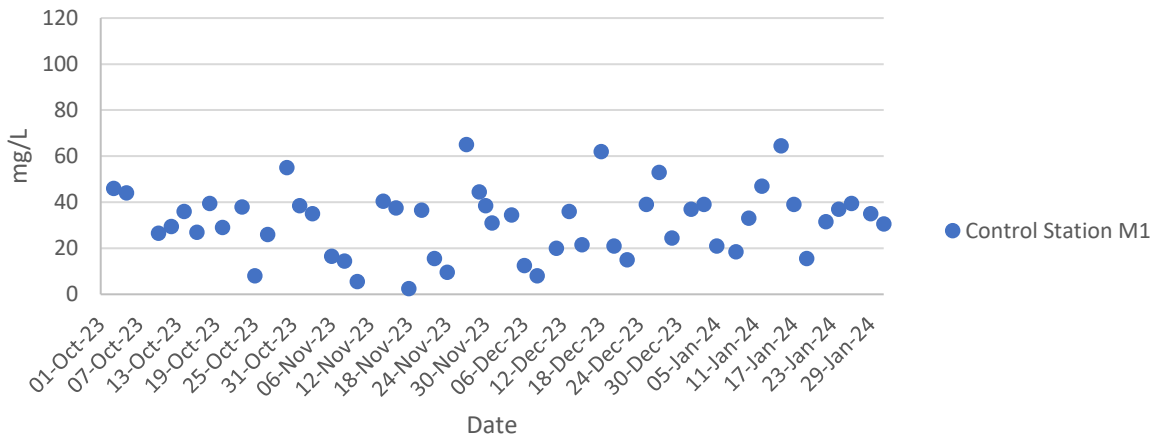
### Turbidity at Mid-Flood Tide



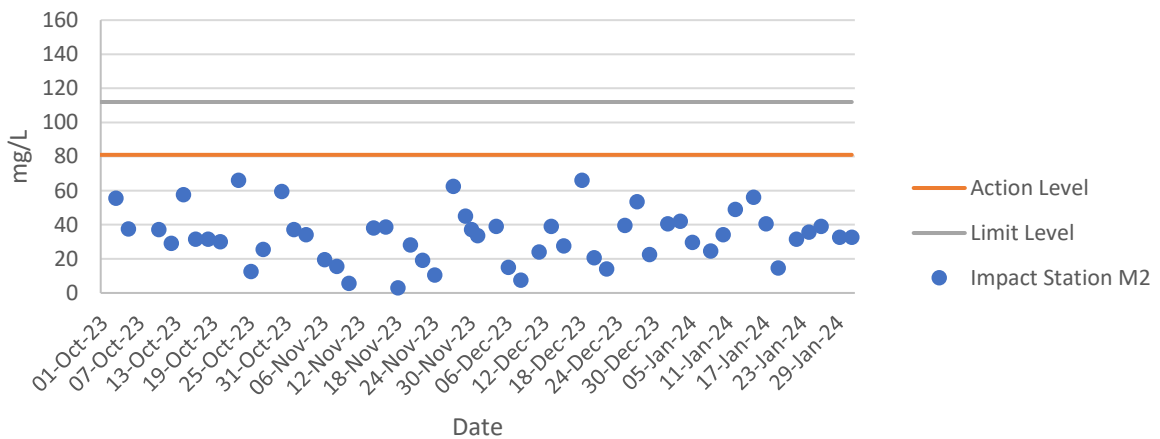
### Turbidity at Mid-Flood Tide



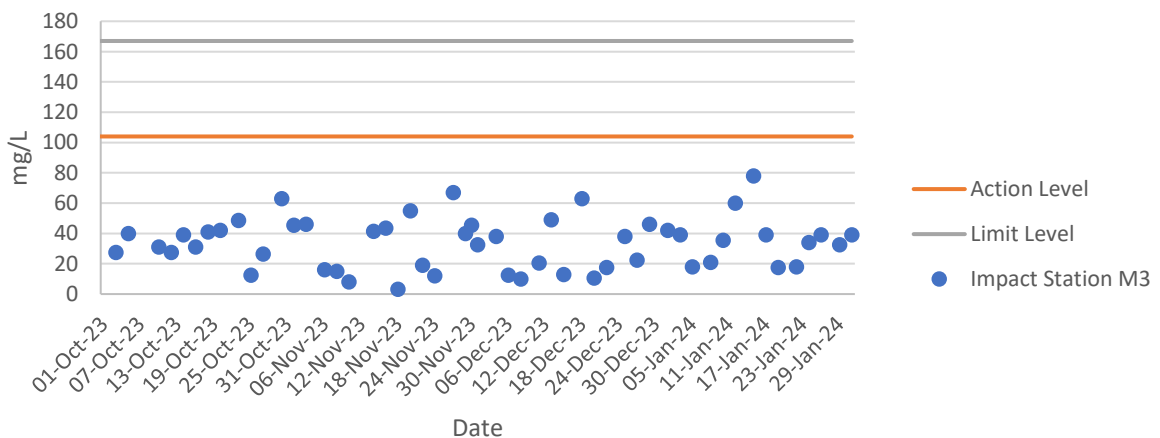
### Total Suspended Solids at Mid-Flood Tide



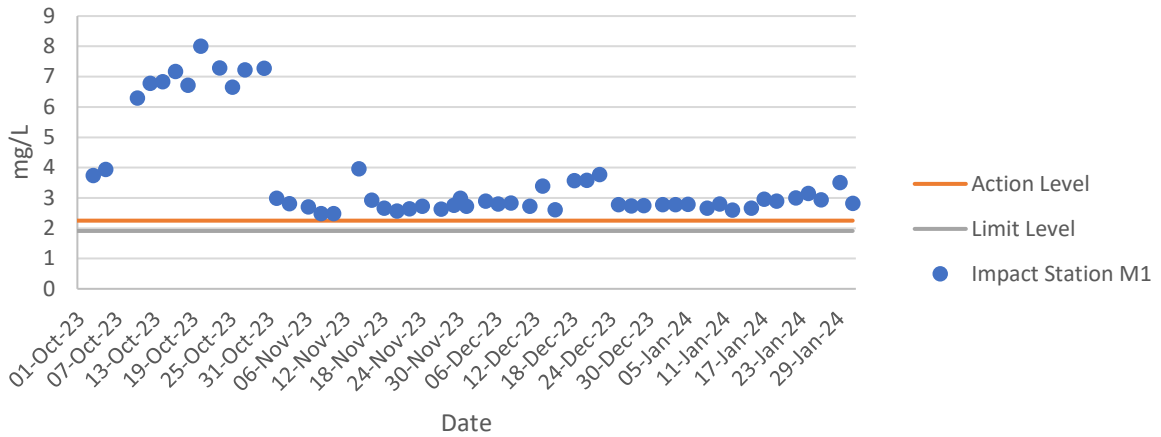
### Total Suspended Solids at Mid-Flood Tide



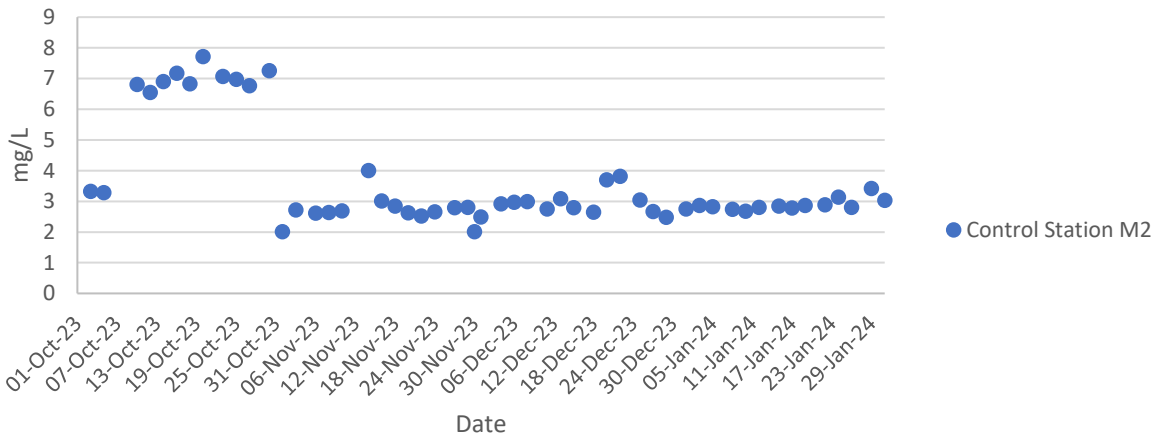
### Total Suspended Solids at Mid-Flood Tide



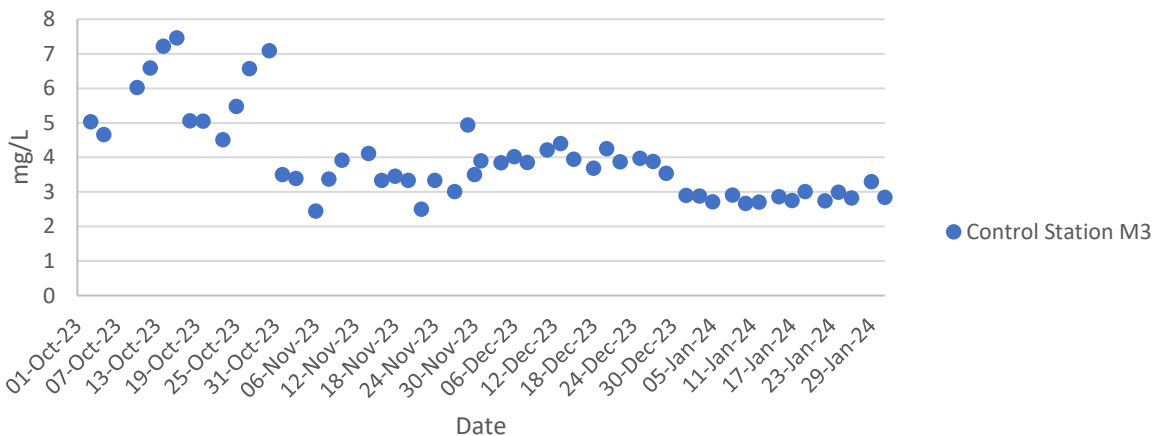
### Dissolved Oxygen at Mid-Ebb Tide



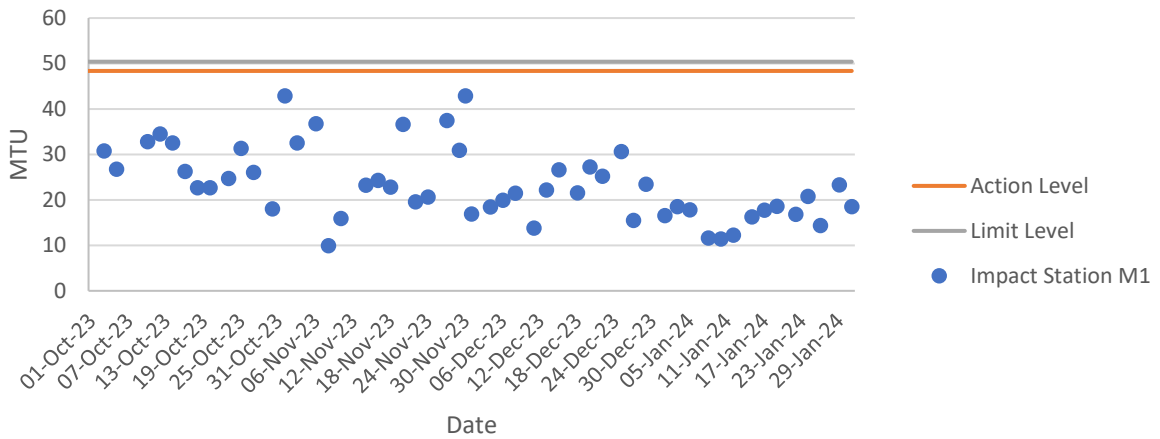
### Dissolved Oxygen at Mid-Ebb Tide



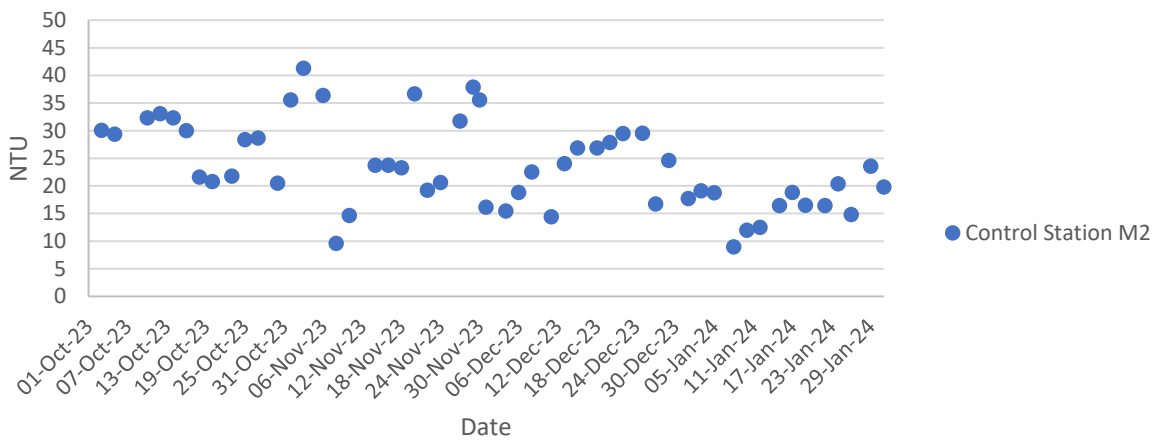
### Dissolved Oxygen at Mid-Ebb Tide



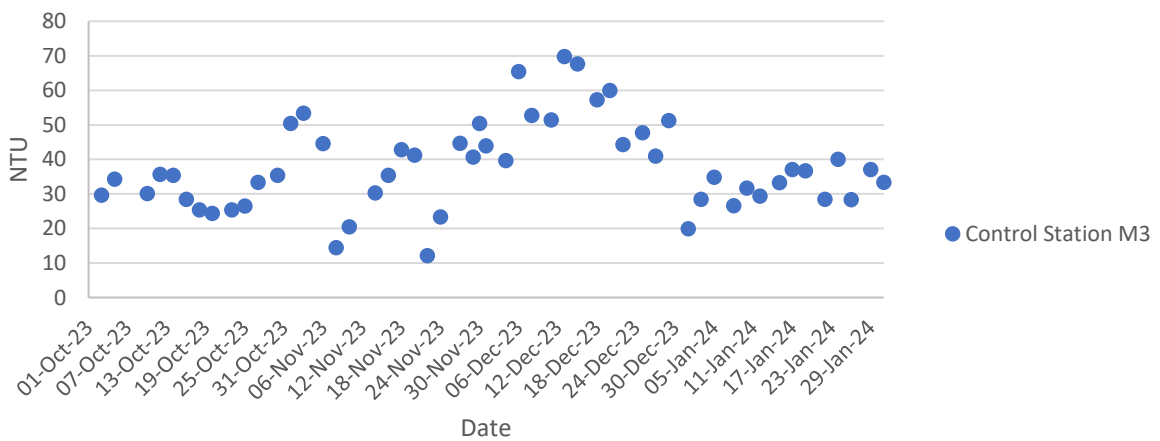
### Turbidity at Mid-Ebb Tide



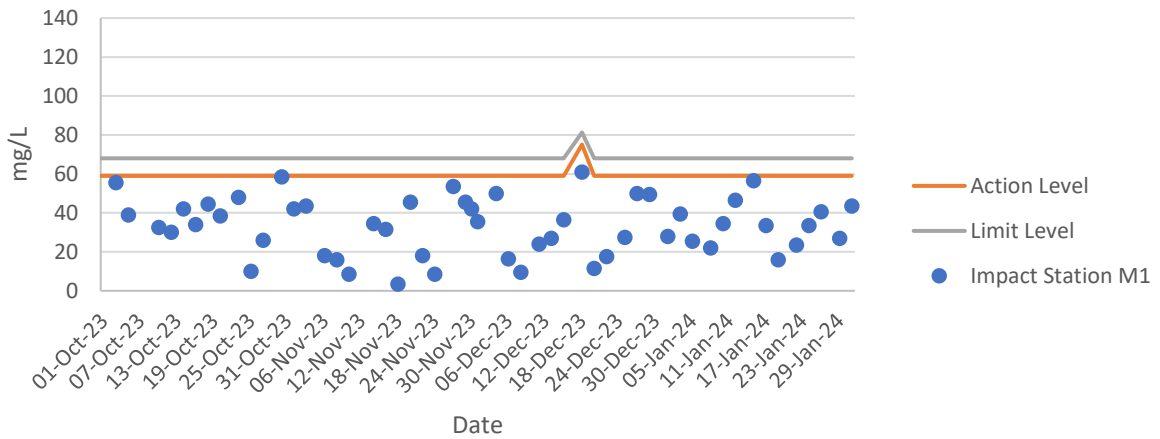
### Turbidity at Mid-Ebb Tide



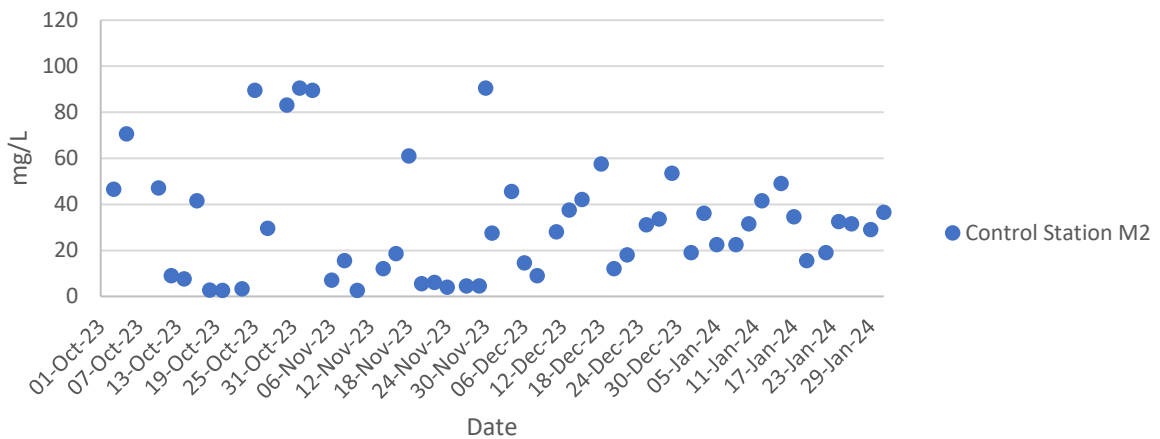
### Turbidity at Mid-Ebb Tide



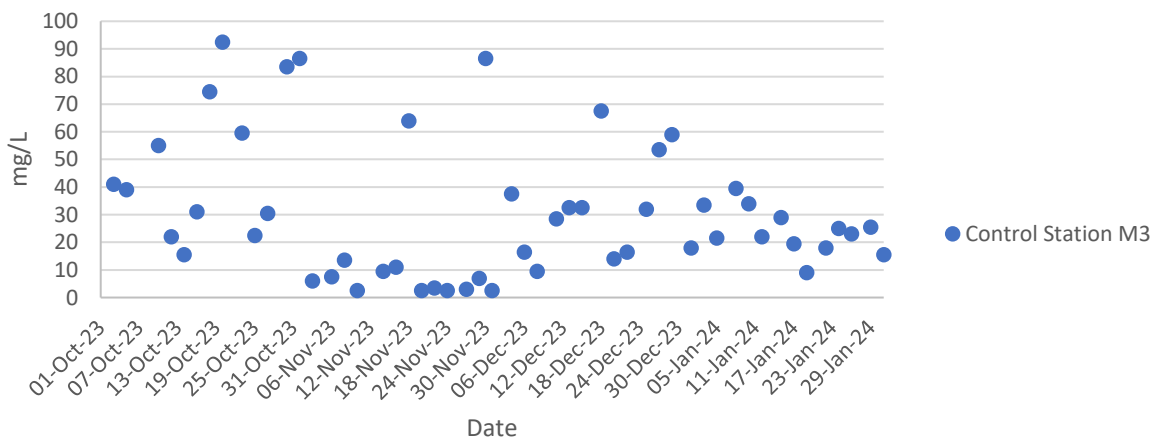
### Total Suspended Solids at Mid-Ebb Tide



### 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 (15 January 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>
15/1/2024	Daytime	Dry	FLW	Point Count	FLW1	Black Drongo	<i>Dicrurus macrocercus</i>	2	Common	SV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW1	Black-collared Starling	<i>Gracupica nigricollis</i>	20	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	7	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW1	Collared Crow	<i>Corvus torquatus</i>	2	Uncommon	R	LC	-	-	NT	VU	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW1	Common Greenshank	<i>Tringa nebularia</i>	1	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW1	Common Sandpiper	<i>Actitis hypoleucos</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW1	Crested Myna	<i>Acridotheres cristatellus</i>	7	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW1	Great Cormorant	<i>Phalacrocorax carbo</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW1	Great Egret	<i>Ardea alba</i>	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW1	Little Egret	<i>Egretta garzetta</i>	9	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW1	Little Grebe	<i>Tachybaptus ruficollis</i>	2	Common	R	LC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW1	Spotted Dove	<i>Spilopelia chinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW1	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW1	Wood Sandpiper	<i>Tringa glareola</i>	1	Common	PM,WV	LC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW2	Black Kite	<i>Milvus migrans</i>	3	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW2	Black-collared Starling	<i>Gracupica nigricollis</i>	14	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW2	Common Myna	<i>Acridotheres tristis</i>	4	Uncommon	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW2	Crested Myna	<i>Acridotheres cristatellus</i>	10	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW2	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW2	Little Grebe	<i>Tachybaptus ruficollis</i>	2	Common	R	LC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW2	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW2	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW2	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	-	-	-	LC	LC	Y	Y

## Appendix F.1 Ecological Bird Monitoring Result (15 January 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>
15/1/2024	Daytime	Dry	FLW	Point Count	FLW2	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	1	Common	WV,Sp	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW3	Black-collared Starling	<i>Gracupica nigricollis</i>	5	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW3	Chinese Bulbul	<i>Pycnonotus sinensis</i>	8	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW3	Common Moorhen	<i>Gallinula chloropus</i>	1	Common	R	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW3	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW3	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW3	Dusky Warbler	<i>Phylloscopus fuscatus</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW3	Great Cormorant	<i>Phalacrocorax carbo</i>	3	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW3	Greater Coucal	<i>Centropus sinensis</i>	2	Common	R	-	Class II	VU	LC	LC	Y	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW3	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW3	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW3	Little Grebe	<i>Tachybaptus ruficollis</i>	4	Common	R	LC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW3	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW3	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW3	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW3	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	-	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW3	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	3	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW4	Chinese Bulbul	<i>Pycnonotus sinensis</i>	7	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW4	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW4	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW4	Great Cormorant	<i>Phalacrocorax carbo</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW4	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW4	Little Grebe	<i>Tachybaptus ruficollis</i>	1	Common	R	LC	-	-	LC	LC	Y	Y

## Appendix F.1 Ecological Bird Monitoring Result (15 January 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>
15/1/2024	Daytime	Dry	FLW	Point Count	FLW4	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW4	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW4	Purple Heron	<i>Ardea purpurea</i>	1	Uncommon	AM,P	RC	-	-	-	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW4	Scaly-breasted Munia	<i>Lonchura punctulata</i>	14	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW4	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW4	Tufted Duck	<i>Aythya fuligula</i>	4	Uncommon	WV	LC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW4	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	-	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW4	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW5	Black-collared Starling	<i>Gracupica nigricollis</i>	2	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW5	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	130	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW5	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW5	Common Moorhen	<i>Gallinula chloropus</i>	2	Common	R	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW5	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW5	Crested Myna	<i>Acridotheres cristatellus</i>	8	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW5	Daurian Redstart	<i>Phoenicurus aureus</i>	1	Common	WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW5	Eastern Cattle Egret	<i>Bubulcus coromandus</i>	18	Common	R,PM	-	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW5	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	3	Common	-	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW5	Great Cormorant	<i>Phalacrocorax carbo</i>	8	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW5	Great Egret	<i>Ardea alba</i>	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW5	Grey Heron	<i>Ardea cinerea</i>	3	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW5	Little Egret	<i>Egretta garzetta</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW5	Olive-backed Pipit	<i>Anthus hodgsoni</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW5	Spotted Dove	<i>Spilopelia chinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW5	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N

## Appendix F.1 Ecological Bird Monitoring Result (15 January 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>
15/1/2024	Daytime	Dry	FLW	Point Count	FLW5	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW5	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW6	Black-collared Starling	<i>Gracupica nigricollis</i>	10	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW6	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW6	Great Cormorant	<i>Phalacrocorax carbo</i>	5	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW6	Great Egret	<i>Ardea alba</i>	12	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW6	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW6	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW6	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW6	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW6	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	1	Common	WV,Sp	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW7	Azure-winged Magpie	<i>Cyanopica cyanus</i>	5	Introduced	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW7	Black-collared Starling	<i>Gracupica nigricollis</i>	25	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW7	Chinese Pond Heron	<i>Ardeola bacchus</i>	14	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW7	Common Myna	<i>Acridotheres tristis</i>	2	Uncommon	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW7	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW7	Crested Myna	<i>Acridotheres cristatellus</i>	8	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW7	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Point Count	FLW7	Great Cormorant	<i>Phalacrocorax carbo</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW7	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW7	Little Egret	<i>Egretta garzetta</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Point Count	FLW7	Wood Sandpiper	<i>Tringa glareola</i>	1	Common	PM,WV	LC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	3	Introduced	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y

## Appendix F.1 Ecological Bird Monitoring Result (15 January 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>
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	20	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Black-faced Bunting	<i>Emberiza spodocephala</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	7	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Cinereous Tit	<i>Parus cinereus</i>	2	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Collared Crow	<i>Corvus torquatus</i>	1	Uncommon	R	LC	-	-	NT	VU	Y	Y
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Common Myna	<i>Acridotheres tristis</i>	3	Uncommon	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Crested Myna	<i>Acridotheres cristatellus</i>	11	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Dusky Warbler	<i>Phylloscopus fuscatus</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	1	Common	-	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Great Cormorant	<i>Phalacrocorax carbo</i>	23	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Little Grebe	<i>Tachybaptus ruficollis</i>	3	Common	R	LC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Pied Kingfisher	<i>Ceryle rudis</i>	1	Uncommon	R	-	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Scaly-breasted Munia	<i>Lonchura punctulata</i>	4	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Spotted Dove	<i>Spilopelia chinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Transect	FLW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N

## Appendix F.1 Ecological Bird Monitoring Result (15 January 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>
15/1/2024	Daytime	Dry	FLW	Transect	FLW	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Yellow Bittern	<i>Ixobrychus sinensis</i>	1	Uncommon	PM,SV	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	2	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	FLW	Transect	FLW	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	1	Common	WV,Sp	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	NSW1	Black Kite	<i>Milvus migrans</i>	2	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	35	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	NSW1	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	NSW1	Great Cormorant	<i>Phalacrocorax carbo</i>	91	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	NSW1	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	NSW1	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	NSW1	Olive-backed Pipit	<i>Anthus hodgsoni</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	NSW1	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	NSW1	White Wagtail	<i>Motacilla alba</i>	5	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Black-winged Stilt	<i>Himantopus himantopus</i>	11	Common	PM	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	8	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Common Greenshank	<i>Tringa nebularia</i>	8	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Eurasian Teal	<i>Anas crecca</i>	4	Common	WV	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Great Cormorant	<i>Phalacrocorax carbo</i>	4	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Northern Shoveler	<i>Spatula clypeata</i>	10	Abundant	WV	RC	-	-	LC	LC	Y	Y

## Appendix F.1 Ecological Bird Monitoring Result (15 January 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>
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Pied Avocet	<i>Recurvirostra avosetta</i>	14	Abundant	WV	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Pied Kingfisher	<i>Ceryle rudis</i>	1	Uncommon	R	-	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Wood Sandpiper	<i>Tringa glareola</i>	1	Common	PM,WV	LC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Great Cormorant	<i>Phalacrocorax carbo</i>	4	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Northern Shoveler	<i>Spatula clypeata</i>	4	Abundant	WV	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Oriental Magpie	<i>Pica serica</i>	2	Common	R	-	-	-	-	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Pied Avocet	<i>Recurvirostra avosetta</i>	2	Abundant	WV	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Swinhoe's White-eye	<i>Zosterops simplex</i>	5	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Black-faced Spoonbill	<i>Platalea minor</i>	6	Common	WV	PGC	Class II	EN	EN	EN	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Black-winged Stilt	<i>Himantopus himantopus</i>	14	Common	PM	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Cinereous Tit	<i>Parus cinereus</i>	1	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Greenshank	<i>Tringa nebularia</i>	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Moorhen	<i>Gallinula chloropus</i>	7	Common	R	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Redshank	<i>Tringa totanus</i>	6	Common	PM	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Eurasian Teal	<i>Anas crecca</i>	12	Common	WV	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Eurasian Wigeon	<i>Mareca penelope</i>	15	Common	WV	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Garganey	<i>Spatula querquedula</i>	3	Common	M,W	-	-	-	-	LC	N	Y

## Appendix F.1 Ecological Bird Monitoring Result (15 January 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>
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Great Cormorant	<i>Phalacrocorax carbo</i>	7	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Grey Heron	<i>Ardea cinerea</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Marsh Sandpiper	<i>Tringa stagnatilis</i>	2	Common	PM,WV	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Northern Shoveler	<i>Spatula clypeata</i>	16	Abundant	WV	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Pied Avocet	<i>Recurvirostra avosetta</i>	44	Abundant	WV	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Tufted Duck	<i>Aythya fuligula</i>	3	Uncommon	WV	LC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	NSW	Transect	NSW	Black-winged Stilt	<i>Himantopus himantopus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Transect	NSW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Transect	NSW	Cinereous Tit	<i>Parus cinereus</i>	2	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Transect	NSW	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Transect	NSW	Eurasian Teal	<i>Anas crecca</i>	2	Common	WV	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Transect	NSW	Fork-tailed Sunbird	<i>Aethopyga christinae</i>	1	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Transect	NSW	Great Cormorant	<i>Phalacrocorax carbo</i>	8	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Transect	NSW	House Swift	<i>Apus nipalensis</i>	10	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Transect	NSW	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	6	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Transect	NSW	Northern Shoveler	<i>Spatula clypeata</i>	5	Abundant	WV	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	NSW	Transect	NSW	Olive-backed Pipit	<i>Anthus hodgsoni</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Transect	NSW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	NSW	Transect	NSW	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	3	Common	WV,Sp	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	75	Common	WV	PRC	-	-	LC	LC	Y	Y

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15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Black-winged Stilt	<i>Himantopus himantopus</i>	14	Common	PM	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Chinese Pond Heron	<i>Ardeola bacchus</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Cinereous Tit	<i>Parus cinereus</i>	2	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Greenshank	<i>Tringa nebularia</i>	5	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Moorhen	<i>Gallinula chloropus</i>	12	Common	R	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Redshank	<i>Tringa totanus</i>	6	Common	PM	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Sandpiper	<i>Actitis hypoleucos</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Crested Myna	<i>Acridotheres cristatellus</i>	8	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Dusky Warbler	<i>Phylloscopus fuscatus</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Eurasian Teal	<i>Anas crecca</i>	8	Common	WV	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Great Cormorant	<i>Phalacrocorax carbo</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Green Sandpiper	<i>Tringa ochropus</i>	1	Uncommon	PM,WV	-	-	-	LC	LC	N	Y
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Grey Heron	<i>Ardea cinerea</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Lesser Black-backed Gull	<i>Larus fuscus</i>	1	Common	W,M	LC	-	-	-	LC	Y	Y
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Pied Avocet	<i>Recurvirostra avosetta</i>	14	Abundant	WV	RC	-	-	LC	LC	Y	Y
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	8	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Scaly-breasted Munia	<i>Lonchura punctulata</i>	4	Common	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Swinhoe's White-eye	<i>Zosterops simplex</i>	2	Abundant	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (15 January 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>
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	White Wagtail	<i>Motacilla alba</i>	4	Common	PM,WV	-	-	-	LC	LC	N	N
15/1/2024	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	2	Common	WV,Sp	-	-	-	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 (15 January 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Spatula querquedula</i>	3	0.00346	-5.666426688	-0.01961	0.111102
<i>Spatula clypeata</i>	30	0.034602	-3.363841595	-0.1164	0.391537
<i>Mareca penelope</i>	15	0.017301	-4.056988776	-0.07019	0.284761
<i>Anas crecca</i>	16	0.018454	-3.992450255	-0.07368	0.294157
<i>Aythya fuligula</i>	7	0.008074	-4.819128828	-0.03891	0.187506
<i>Tachybaptus ruficollis</i>	9	0.010381	-4.567814399	-0.04742	0.216591
<i>Platalea minor</i>	6	0.00692	-4.973279508	-0.03442	0.171166
<i>Ardeola bacchus</i>	44	0.05075	-2.980849343	-0.15128	0.450935
<i>Bubulcus coromandus</i>	18	0.020761	-3.874667219	-0.08044	0.31169
<i>Ardea cinerea</i>	9	0.010381	-4.567814399	-0.04742	0.216591
<i>Ardea purpurea</i>	1	0.001153	-6.765038977	-0.0078	0.052786
<i>Ardea alba</i>	21	0.024221	-3.720516539	-0.09012	0.335279
<i>Egretta garzetta</i>	19	0.021915	-3.820599998	-0.08373	0.319888
<i>Phalacrocorax carbo</i>	127	0.146482	-1.92085189	-0.28137	0.540471
<i>Milvus migrans</i>	6	0.00692	-4.973279508	-0.03442	0.171166
<i>Amaurornis phoenicurus</i>	4	0.004614	-5.378744616	-0.02482	0.133476
<i>Gallinula chloropus</i>	10	0.011534	-4.462453884	-0.05147	0.229683
<i>Himantopus himantopus</i>	25	0.028835	-3.546163152	-0.10225	0.362609
<i>Recurvirostra avosetta</i>	60	0.069204	-2.670694415	-0.18482	0.493606
<i>Actitis hypoleucos</i>	5	0.005767	-5.155601064	-0.02973	0.153288
<i>Tringa totanus</i>	6	0.00692	-4.973279508	-0.03442	0.171166
<i>Tringa stagnatilis</i>	2	0.002307	-6.071891796	-0.01401	0.085047
<i>Tringa glareola</i>	3	0.00346	-5.666426688	-0.01961	0.111102
<i>Tringa nebularia</i>	11	0.012687	-4.367143704	-0.05541	0.241974
<i>Chroicocephalus ridibundus</i>	130	0.149942	-1.897504526	-0.28452	0.539871
<i>Streptopelia decaocto</i>	5	0.005767	-5.155601064	-0.02973	0.153288
<i>Spilopelia chinensis</i>	15	0.017301	-4.056988776	-0.07019	0.284761
<i>Centropus sinensis</i>	3	0.00346	-5.666426688	-0.01961	0.111102
<i>Halcyon smyrnensis</i>	3	0.00346	-5.666426688	-0.01961	0.111102
<i>Ceryle rudis</i>	1	0.001153	-6.765038977	-0.0078	0.052786
<i>Lanius schach</i>	1	0.001153	-6.765038977	-0.0078	0.052786
<i>Dicrurus macrocercus</i>	2	0.002307	-6.071891796	-0.01401	0.085047
<i>Cyanopica cyanus</i>	5	0.005767	-5.155601064	-0.02973	0.153288
<i>Pica serica</i>	2	0.002307	-6.071891796	-0.01401	0.085047
<i>Corvus torquatus</i>	2	0.002307	-6.071891796	-0.01401	0.085047
<i>Parus cinereus</i>	1	0.001153	-6.765038977	-0.0078	0.052786
<i>Pycnonotus jocosus</i>	2	0.002307	-6.071891796	-0.01401	0.085047
<i>Pycnonotus sinensis</i>	18	0.020761	-3.874667219	-0.08044	0.31169
<i>Phylloscopus inornatus</i>	2	0.002307	-6.071891796	-0.01401	0.085047
<i>Phylloscopus fuscatus</i>	4	0.004614	-5.378744616	-0.02482	0.133476
<i>Prinia flaviventris</i>	4	0.004614	-5.378744616	-0.02482	0.133476
<i>Prinia inornata</i>	7	0.008074	-4.819128828	-0.03891	0.187506
<i>Orthotomus sutorius</i>	2	0.002307	-6.071891796	-0.01401	0.085047
<i>Pterorhinus perspicillatus</i>	3	0.00346	-5.666426688	-0.01961	0.111102

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Zosterops simplex</i>	5	0.005767	-5.155601064	-0.02973	0.153288
<i>Acridotheres cristatellus</i>	76	0.087659	-2.434305636	-0.21339	0.519451
<i>Acridotheres tristis</i>	6	0.00692	-4.973279508	-0.03442	0.171166
<i>Gracupica nigricollis</i>	76	0.087659	-2.434305636	-0.21339	0.519451
<i>Phoenicurus aureus</i>	1	0.001153	-6.765038977	-0.0078	0.052786
<i>Saxicola stejnegeri</i>	1	0.001153	-6.765038977	-0.0078	0.052786
<i>Lonchura punctulata</i>	14	0.016148	-4.125981647	-0.06662	0.274893
<i>Motacilla tschutschensis</i>	2	0.002307	-6.071891796	-0.01401	0.085047
<i>Motacilla alba</i>	14	0.016148	-4.125981647	-0.06662	0.274893
<i>Anthus hodgsoni</i>	3	0.00346	-5.666426688	-0.01961	0.111102
Total	867	1	-264.317	-3.117	11.152
Richness	54				
SS	11.152				
SQ	9.713				
H	3.117				
S <sup>2</sup> H	0.00169				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (15 January 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Spatula clypeata</i>	30	0.052265	-2.95143	-0.15426	0.455276
<i>Mareca penelope</i>	15	0.026132	-3.64458	-0.09524	0.347116
<i>Anas crecca</i>	16	0.027875	-3.58004	-0.09979	0.35726
<i>Aythya fuligula</i>	7	0.012195	-4.40672	-0.05374	0.236819
<i>Tachybaptus ruficollis</i>	9	0.015679	-4.1554	-0.06515	0.270743
<i>Platalea minor</i>	6	0.010453	-4.56087	-0.04767	0.217438
<i>Ardeola bacchus</i>	44	0.076655	-2.56844	-0.19688	0.505684
<i>Bubulcus coromandus</i>	18	0.031359	-3.46226	-0.10857	0.375906
<i>Ardea cinerea</i>	9	0.015679	-4.1554	-0.06515	0.270743
<i>Ardea purpurea</i>	1	0.001742	-6.35263	-0.01107	0.070306
<i>Ardea alba</i>	21	0.036585	-3.30811	-0.12103	0.400375
<i>Egretta garzetta</i>	19	0.033101	-3.40819	-0.11281	0.384494
<i>Phalacrocorax carbo</i>	127	0.221254	-1.50844	-0.33375	0.503442
<i>Milvus migrans</i>	6	0.010453	-4.56087	-0.04767	0.217438
<i>Himantopus himantopus</i>	25	0.043554	-3.13375	-0.13649	0.427718
<i>Recurvirostra avosetta</i>	60	0.10453	-2.25828	-0.23606	0.533085
<i>Tringa totanus</i>	6	0.010453	-4.56087	-0.04767	0.217438
<i>Tringa stagnatilis</i>	2	0.003484	-5.65948	-0.01972	0.111602
<i>Tringa glareola</i>	3	0.005226	-5.25402	-0.02746	0.144275
<i>Tringa nebularia</i>	11	0.019164	-3.95473	-0.07579	0.29972
<i>Chroicocephalus ridibundus</i>	130	0.226481	-1.48509	-0.33635	0.499505
<i>Centropus sinensis</i>	3	0.005226	-5.25402	-0.02746	0.144275
<i>Halcyon smyrnensis</i>	3	0.005226	-5.25402	-0.02746	0.144275
<i>Ceryle rudis</i>	1	0.001742	-6.35263	-0.01107	0.070306
<i>Corvus torquatus</i>	2	0.003484	-5.65948	-0.01972	0.111602
Total	574	1	-101.4497697	-2.478043542	7.316841773
Richness	25				
SS	7.317				
SQ	6.141				
H	2.478				
S <sup>2</sup> H	0.00209				

Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method) in All Habitats (15 January 2024)

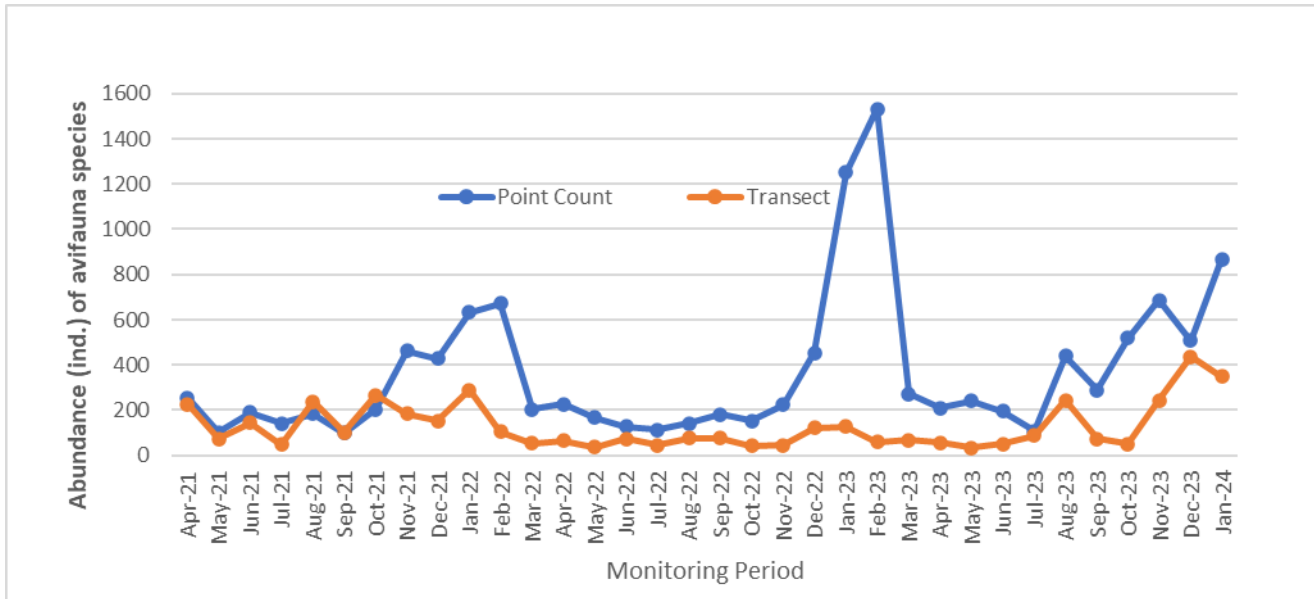
Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Spatula clypeata</i>	5	0.01428571	-4.2485	-0.06069	0.25785
<i>Anas crecca</i>	10	0.02857143	-3.55535	-0.10158	0.36116
<i>Tachybaptus ruficollis</i>	3	0.00857143	-4.75932	-0.04079	0.19415
<i>Ixobrychus sinensis</i>	1	0.00285714	-5.85793	-0.01674	0.09804
<i>Ardeola bacchus</i>	8	0.02285714	-3.77849	-0.08637	0.32633
<i>Ardea cinerea</i>	2	0.00571429	-5.16479	-0.02951	0.15243
<i>Ardea alba</i>	1	0.00285714	-5.85793	-0.01674	0.09804
<i>Egretta garzetta</i>	3	0.00857143	-4.75932	-0.04079	0.19415
<i>Phalacrocorax carbo</i>	33	0.09428571	-2.36143	-0.22265	0.52577
<i>Milvus migrans</i>	1	0.00285714	-5.85793	-0.01674	0.09804
<i>Amaurornis phoenicurus</i>	1	0.00285714	-5.85793	-0.01674	0.09804
<i>Gallinula chloropus</i>	12	0.03428571	-3.37303	-0.11565	0.39008
<i>Himantopus himantopus</i>	18	0.05142857	-2.96756	-0.15262	0.4529
<i>Recurvirostra avosetta</i>	14	0.04	-3.21888	-0.12876	0.41445
<i>Actitis hypoleucos</i>	3	0.00857143	-4.75932	-0.04079	0.19415
<i>Tringa ochropus</i>	1	0.00285714	-5.85793	-0.01674	0.09804
<i>Tringa totanus</i>	6	0.01714286	-4.06617	-0.06971	0.28344
<i>Tringa nebularia</i>	5	0.01428571	-4.2485	-0.06069	0.25785
<i>Chroicocephalus ridibundus</i>	75	0.21428571	-1.54045	-0.3301	0.50849
<i>Larus fuscus</i>	1	0.00285714	-5.85793	-0.01674	0.09804
<i>Streptopelia decaocto</i>	1	0.00285714	-5.85793	-0.01674	0.09804
<i>Spilopelia chinensis</i>	6	0.01714286	-4.06617	-0.06971	0.28344
<i>Centropus sinensis</i>	1	0.00285714	-5.85793	-0.01674	0.09804
<i>Apus nipalensis</i>	10	0.02857143	-3.55535	-0.10158	0.36116
<i>Alcedo atthis</i>	2	0.00571429	-5.16479	-0.02951	0.15243
<i>Ceryle rudis</i>	1	0.00285714	-5.85793	-0.01674	0.09804
<i>Lanius schach</i>	1	0.00285714	-5.85793	-0.01674	0.09804
<i>Cyanopica cyanus</i>	3	0.00857143	-4.75932	-0.04079	0.19415
<i>Corvus torquatus</i>	1	0.00285714	-5.85793	-0.01674	0.09804
<i>Parus cinereus</i>	6	0.01714286	-4.06617	-0.06971	0.28344
<i>Pycnonotus jocosus</i>	12	0.03428571	-3.37303	-0.11565	0.39008

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Pycnonotus sinensis</i>	15	0.04285714	-3.14988	-0.13499	0.42522
<i>Phylloscopus inornatus</i>	6	0.01714286	-4.06617	-0.06971	0.28344
<i>Phylloscopus fuscatus</i>	4	0.01142857	-4.47164	-0.0511	0.22852
<i>Prinia flaviventris</i>	2	0.00571429	-5.16479	-0.02951	0.15243
<i>Prinia inornata</i>	2	0.00571429	-5.16479	-0.02951	0.15243
<i>Orthotomus sutorius</i>	1	0.00285714	-5.85793	-0.01674	0.09804
<i>Pterorhinus perspicillatus</i>	6	0.01714286	-4.06617	-0.06971	0.28344
<i>Zosterops simplex</i>	2	0.00571429	-5.16479	-0.02951	0.15243
<i>Acridotheres cristatellus</i>	19	0.05428571	-2.91349	-0.15816	0.4608
<i>Acridotheres tristis</i>	3	0.00857143	-4.75932	-0.04079	0.19415
<i>Gracupica nigricollis</i>	24	0.06857143	-2.67988	-0.18376	0.49246
<i>Copsychus saularis</i>	1	0.00285714	-5.85793	-0.01674	0.09804
<i>Saxicola stejnegeri</i>	1	0.00285714	-5.85793	-0.01674	0.09804
<i>Aethopyga christinae</i>	1	0.00285714	-5.85793	-0.01674	0.09804
<i>Lonchura punctulata</i>	8	0.02285714	-3.77849	-0.08637	0.32633
<i>Motacilla tschutschensis</i>	1	0.00285714	-5.85793	-0.01674	0.09804
<i>Motacilla alba</i>	5	0.01428571	-4.2485	-0.06069	0.25785
<i>Anthus hodgsoni</i>	1	0.00285714	-5.85793	-0.01674	0.09804
<i>Emberiza spodocephala</i>	1	0.00285714	-5.85793	-0.01674	0.09804
Total	350	1	-232.857	-3.153	11.352
Richness	50				
SS	11.352				
SQ	9.940				
H	3.153				
S <sup>2</sup> H	0.00424				

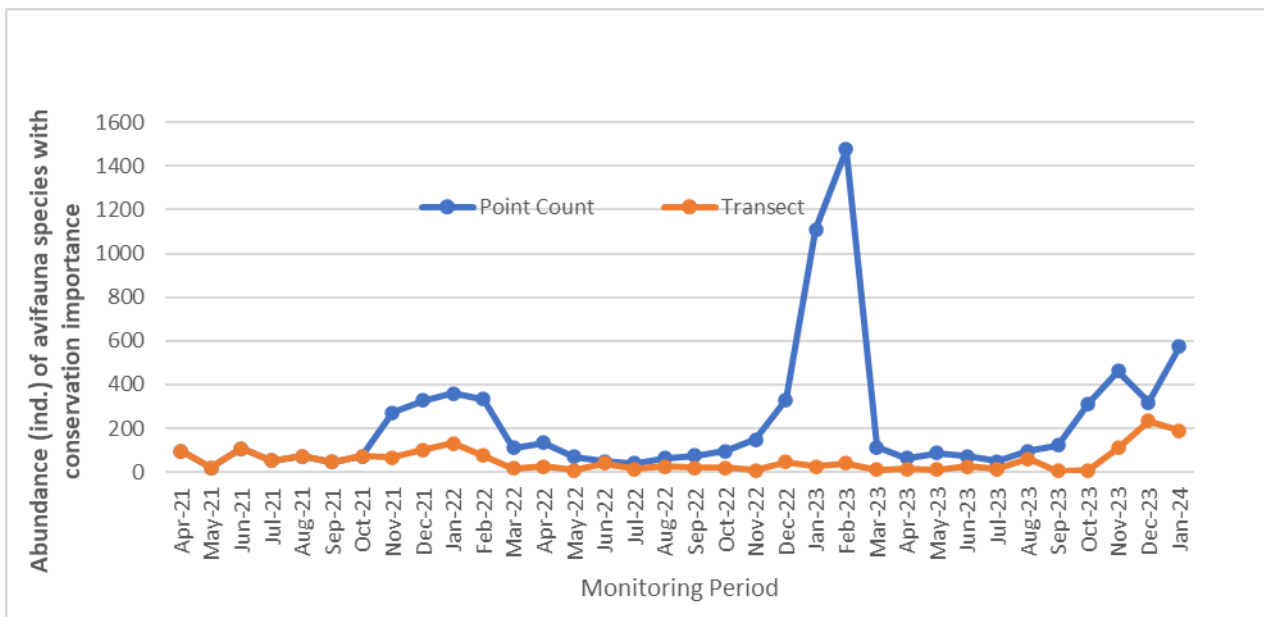
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (15 January 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Spatula clypeata</i>	5	0.026455	-3.63231	-0.096093	0.349039
<i>Anas crecca</i>	10	0.05291	-2.93916	-0.155511	0.457073
<i>Tachybaptus ruficollis</i>	3	0.015873	-4.14313	-0.065764	0.272469
<i>Ixobrychus sinensis</i>	1	0.005291	-5.24175	-0.027734	0.145375
<i>Ardeola bacchus</i>	8	0.042328	-3.16231	-0.133854	0.423288
<i>Ardea cinerea</i>	2	0.010582	-4.5486	-0.048133	0.218939
<i>Ardea alba</i>	1	0.005291	-5.24175	-0.027734	0.145375
<i>Egretta garzetta</i>	3	0.015873	-4.14313	-0.065764	0.272469
<i>Phalacrocorax carbo</i>	33	0.174603	-1.74524	-0.304724	0.531817
<i>Milvus migrans</i>	1	0.005291	-5.24175	-0.027734	0.145375
<i>Himantopus himantopus</i>	18	0.095238	-2.35138	-0.223941	0.526568
<i>Recurvirostra avosetta</i>	14	0.074074	-2.60269	-0.192792	0.501777
<i>Tringa totanus</i>	6	0.031746	-3.44999	-0.109523	0.377854
<i>Tringa nebularia</i>	5	0.026455	-3.63231	-0.096093	0.349039
<i>Chroicocephalus ridibundus</i>	75	0.396825	-0.92426	-0.366769	0.33899
<i>Larus fuscus</i>	1	0.005291	-5.24175	-0.027734	0.145375
<i>Centropus sinensis</i>	1	0.005291	-5.24175	-0.027734	0.145375
<i>Ceryle rudis</i>	1	0.005291	-5.24175	-0.027734	0.145375
<i>Corvus torquatus</i>	1	0.005291	-5.24175	-0.027734	0.145375
Total	189	1	-73.967	-2.053	5.637
Richness	19				
SS	5.637				
SQ	4.215				
H	2.053				
S <sup>2</sup> H	0.00777				

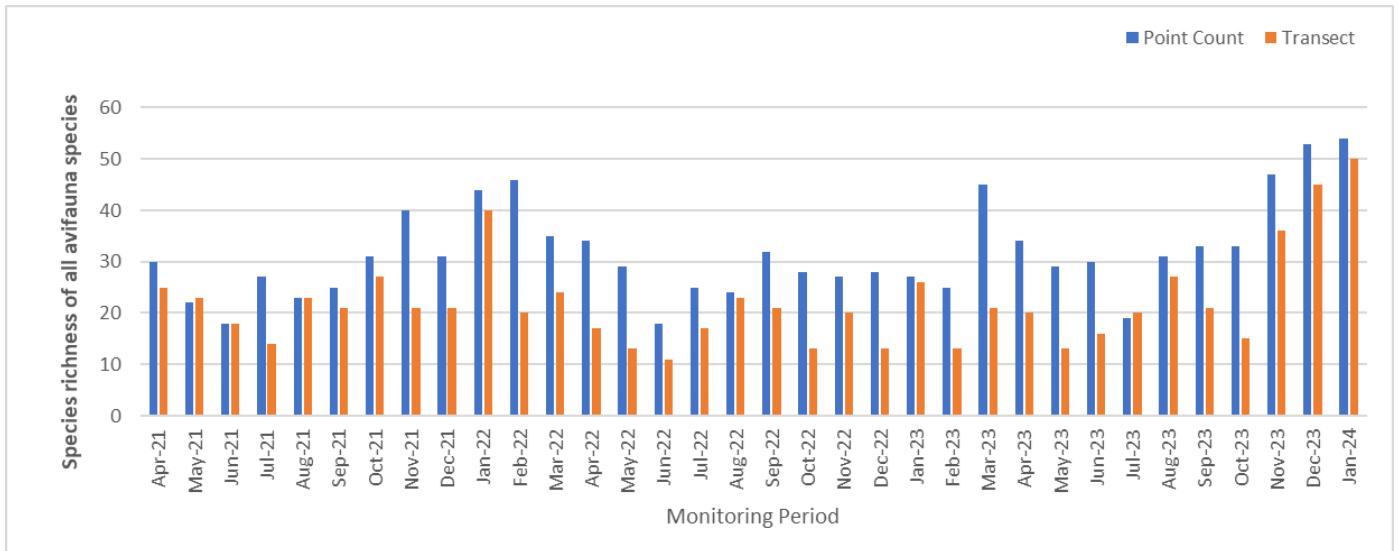
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



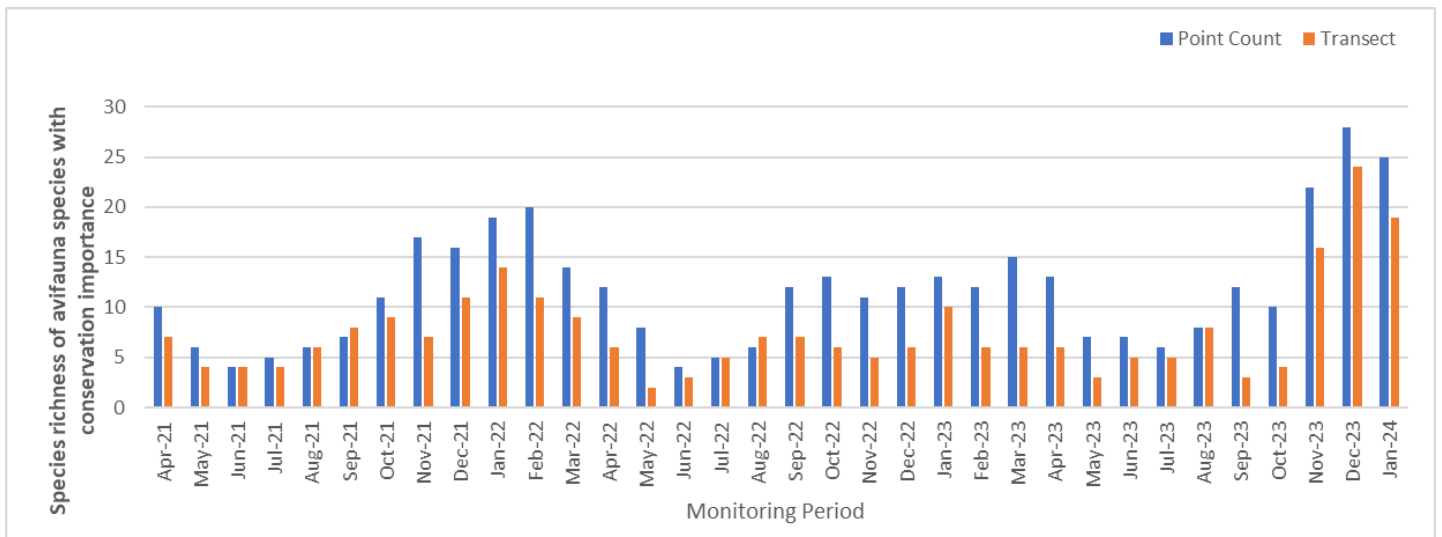
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



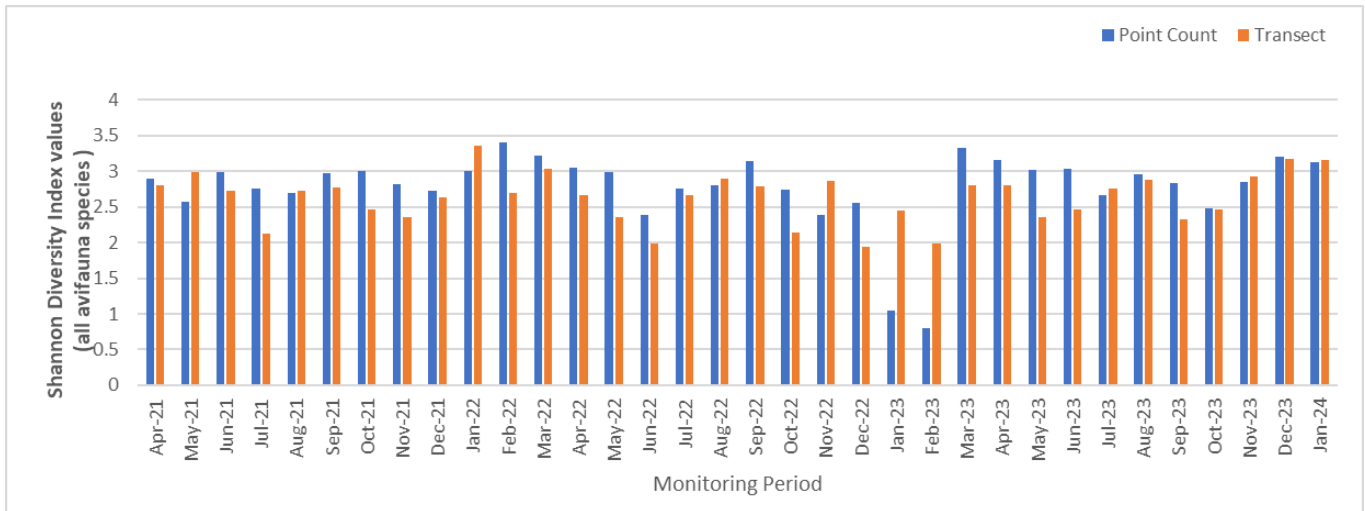
**Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period**



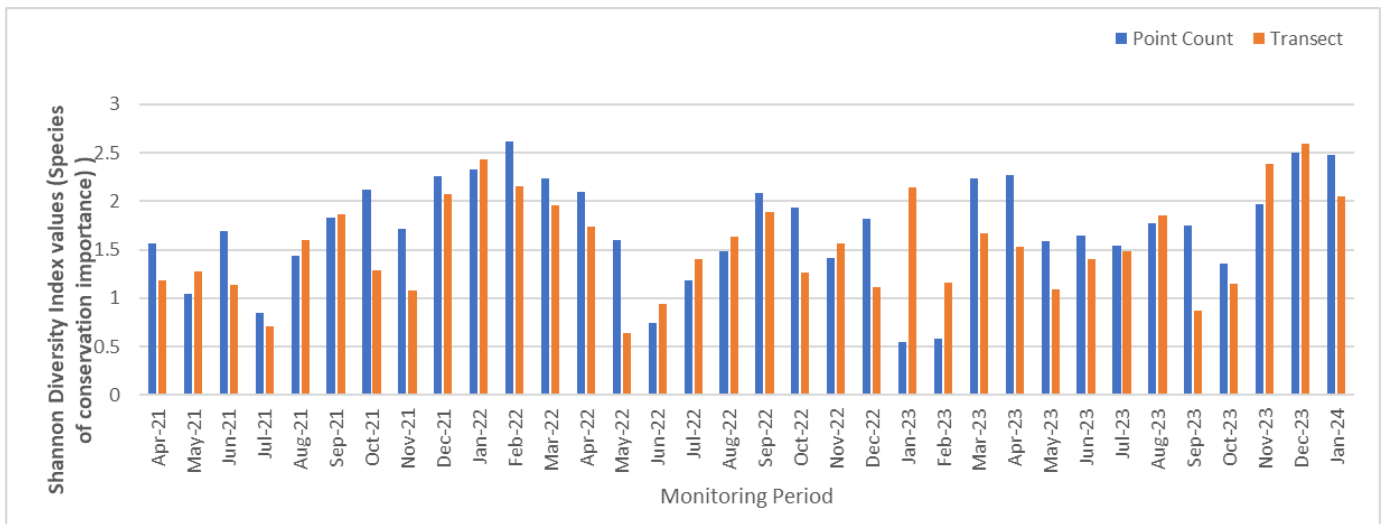
**Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period**



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	January 2017	January 2024
Total	708	867
Richness	47	54
H	2.823	3.117
S <sup>2</sup> H	0.00260	0.00169
t	4.472	
df	1930.801	
Crit	1.961	
p	8.22E-06	
CI	0.102	0.0823

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

Months	January 2017	January 2024
Total	347	350
Richness	50	50
H	3.309	3.153
S <sup>2</sup> H	0.00282	0.00424
t	1.856	
df	2175.953	
Crit	1.961	
p	0.0636	
CI	0.106	0.130

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

Months	January 2017	January 2024
Total	528	574
Richness	22	25
H	2.241	2.478
S <sup>2</sup> H	0.00289	0.00209
t	3.355	
df	1562.968	
Crit	1.961	
p	8.13E-04	
CI	0.108	0.0913

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

Months	January 2017	January 2024
Total	83	189
Richness	11	19
H	1.788	2.0531
S <sup>2</sup> H	0.0112	0.00777
t	1.920	
df	237.741	
Crit	1.970	
p	0.0561	
CI	0.212	0.176