

# 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 ( $\text{ug}/\text{m}^3$ )	Limit Level ( $\text{ug}/\text{m}^3$ )
			1st Measurement	2nd Measurement	3rd Measurement		
2/12/2024	sunny	8:34	45	46	44	291	500
7/12/2024	sunny	8:44	40	42	43		
13/12/2024	sunny	8:50	43	44	45		
19/12/2024	sunny	8:12	44	46	42		
24/12/2024	sunny	8:22	45	47	41		
30/12/2024	sunny	8:09	46	48	45		
		Min	40				
		Max	48				
		Average	44				

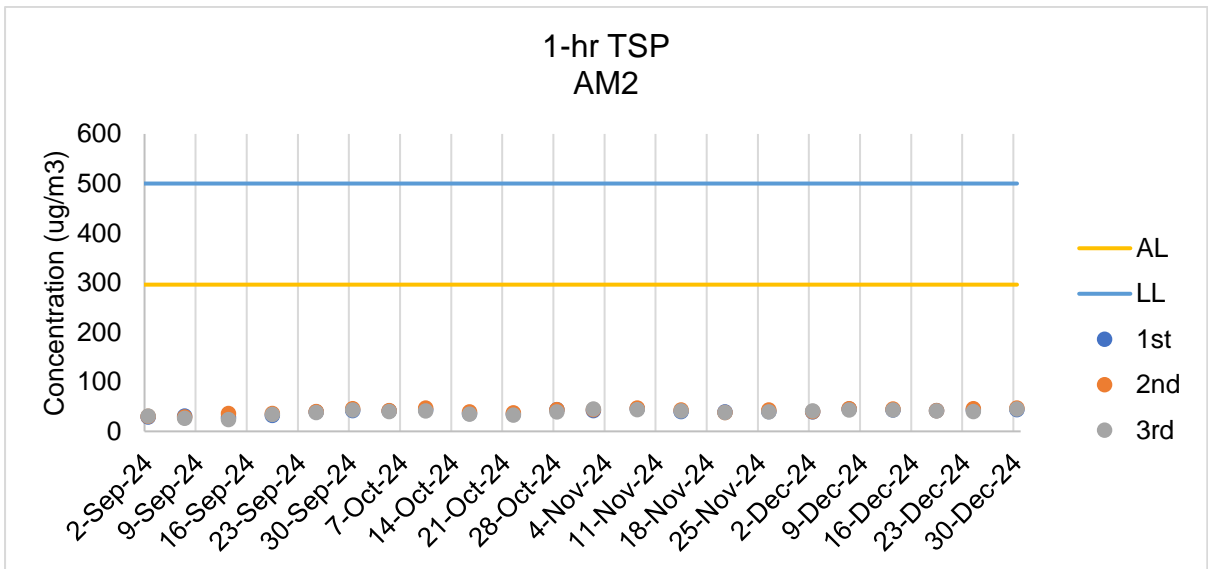
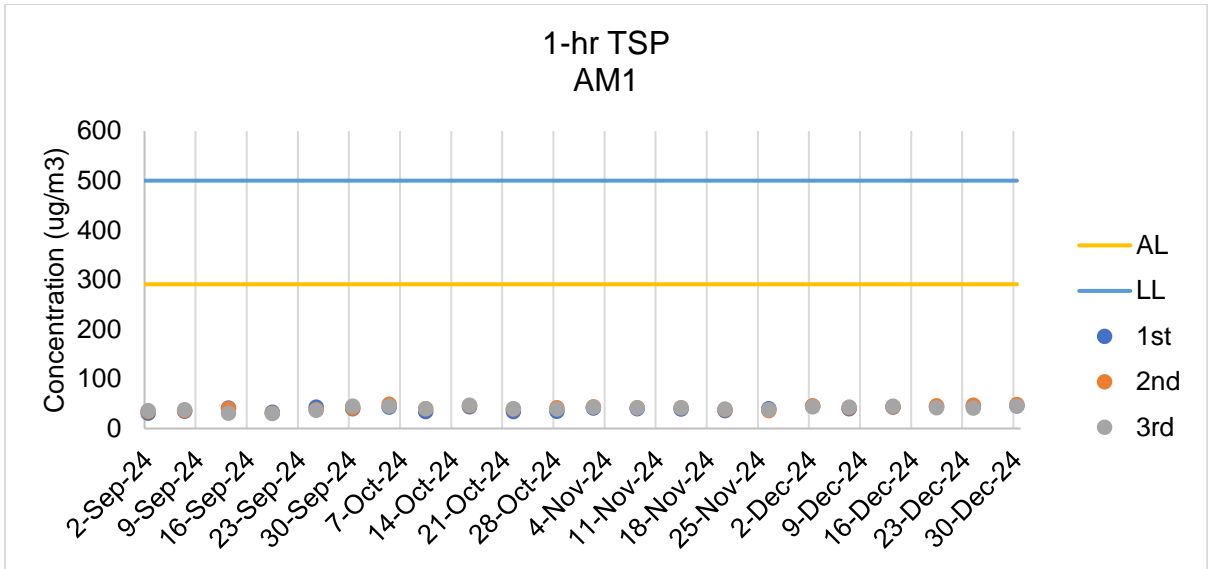
**AM2 - Squatter house at the west of Yuen Long STW**

Date	Weather Condition	Start Time	1-hour TSP ( $\mu\text{g}/\text{m}^3$ )			Action Level ( $\text{ug}/\text{m}^3$ )	Limit Level ( $\text{ug}/\text{m}^3$ )
			1st Measurement	2nd Measurement	3rd Measurement		
2/12/2024	sunny	13:32	39	40	41	296	500
7/12/2024	sunny	13:11	45	46	43		
13/12/2024	sunny	13:28	43	45	43		
19/12/2024	sunny	13:33	42	42	41		
24/12/2024	sunny	13:00	43	46	40		
30/12/2024	sunny	13:21	44	47	45		
		Min	39				
		Max	47				
		Average	43				

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)
2/12/2024	10:21	59.4	61.3	57.4	1.1	sunny	75
13/12/2024	10:41	61.2	62.5	59.4	0.5	sunny	75
19/12/2024	9:57	60.2	61.9	59.4	1.6	sunny	75
24/12/2024	10:01	60.6	61.1	58.5	1.4	sunny	75
30/12/2024	9:49	61.1	62.8	57.9	0.8	sunny	75
	<b>Max</b>	61.2					
	<b>Min</b>	59.4					

**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)
2/12/2024	13:32	56.6	57.6	54.3	0.7	sunny	75
13/12/2024	13:28	58.4	60.4	56.4	0.6	sunny	75
19/12/2024	13:33	59.2	61.6	57.6	0.2	sunny	75
24/12/2024	13:00	60.4	61.9	58.5	0.7	sunny	75
30/12/2024	13:21	58.6	60.5	56.7	1.5	sunny	75
	<b>Max</b>	60.4					
	<b>Min</b>	56.6					

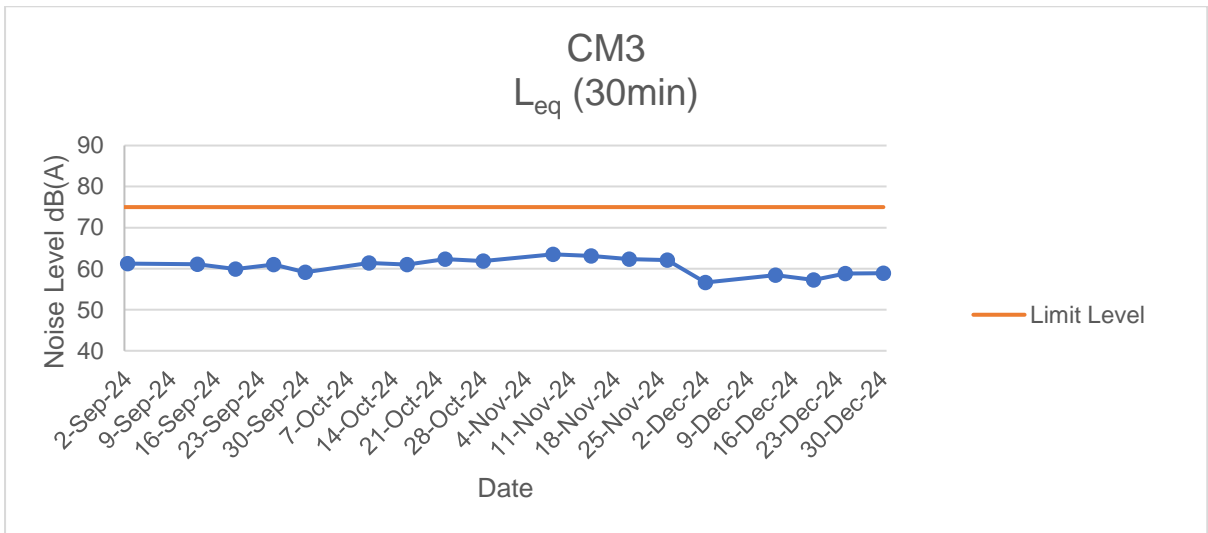
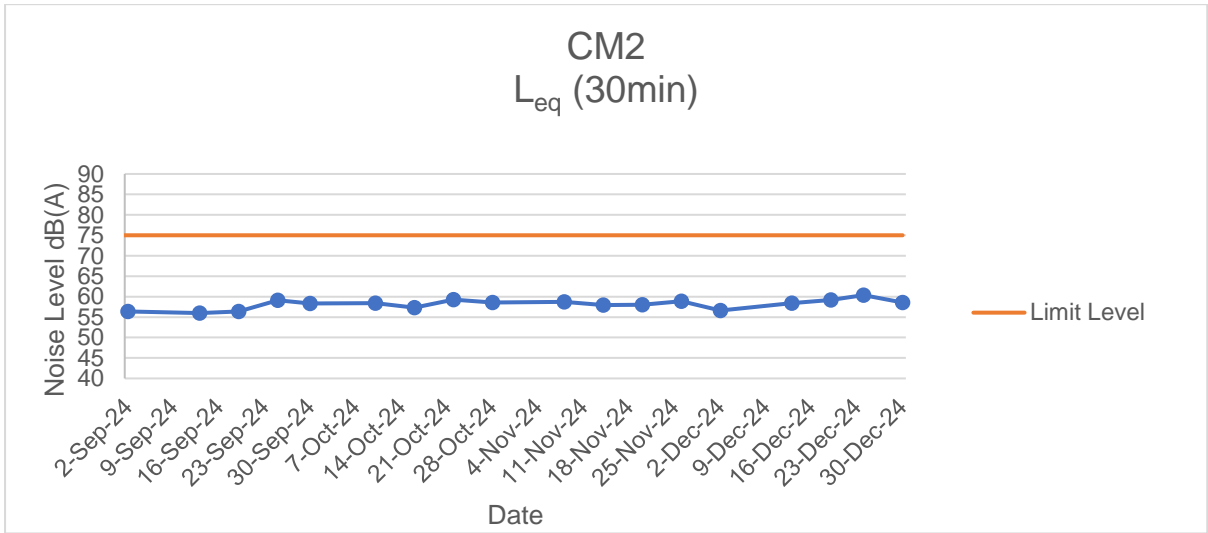
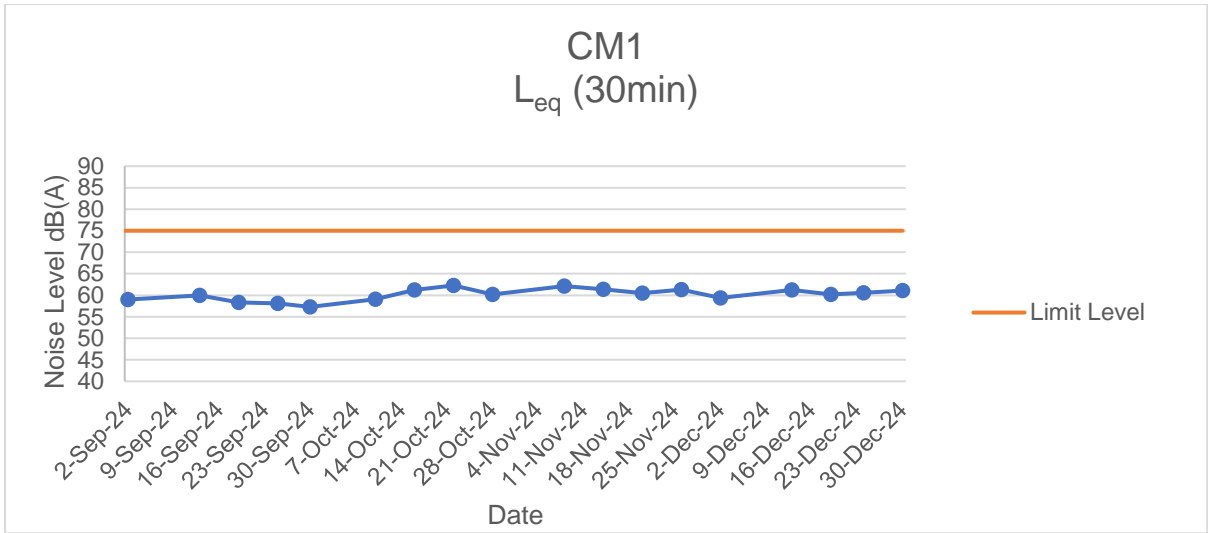
**CM3 - Squatter house to the east of YLSTW**

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)
2/12/2024	8:55	56.6	58.4	54.5	0.8	sunny	75
13/12/2024	9:18	58.4	60.4	55.3	0.6	sunny	75
19/12/2024	8:36	57.3	59.6	56.5	0.4	sunny	75
24/12/2024	8:44	58.8	60.5	56.3	1.2	sunny	75
30/12/2024	8:32	58.9	60.9	57.3	1.7	sunny	75
	<b>Max</b>	58.9					
	<b>Min</b>	56.6					

Note:

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

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



**Noise Monitoring Results**

# Water Quality Monitoring Results

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	3/12/2024	Mid-Flood	Sunny	Low	14:35	2.6	M	1.30	1	0.074	183.065	7.19	7.20	2.82	2.81	20.9	20.95	36.8	36.75	2.77	2.77	21.07	21.19	28	28
M1	3/12/2024	Mid-Flood	Sunny	Low	14:35	2.6	M	1.30	2			7.21	7.20	2.8	2.81	21	20.95	36.7	36.75	2.76	2.77	21.31	21.19	27	28
M2	3/12/2024	Mid-Flood	Sunny	Low	14:55	2.4	M	1.20	1	0.073	171.814	7.14	7.15	2.75	2.75	20.9	20.90	37.0	37.45	2.78	2.82	21.84	21.665	25	25
M2	3/12/2024	Mid-Flood	Sunny	Low	14:55	2.4	M	1.20	2			7.15	7.15	2.74	2.75	20.9	20.90	37.9	37.45	2.85	2.82	21.49	21.665	24	25
M3	3/12/2024	Mid-Flood	Sunny	Low	15:10	2.1	M	1.05	1	0.095	175.12	7.11	7.12	3.32	3.34	20.9	20.90	48.4	49.00	3.64	3.69	30.59	30.71	25	25
M3	3/12/2024	Mid-Flood	Sunny	Low	15:10	2.1	M	1.05	2			7.13	7.12	3.36	3.34	20.9	20.90	49.6	49.00	3.73	3.69	30.83	30.71	24	25
M1	3/12/2024	Mid-Ebb	Sunny	Low	10:22	2.5	M	1.25	1	0.075	331.825	7.14	7.15	2.71	2.73	21.1	21.10	37.6	36.75	2.83	2.77	19.91	19.825	23	25
M1	3/12/2024	Mid-Ebb	Sunny	Low	10:22	2.5	M	1.25	2			7.16	7.15	2.74	2.73	21.1	21.10	35.9	36.75	2.7	2.77	19.74	19.825	26	25
M2	3/12/2024	Mid-Ebb	Sunny	Low	9:51	2.3	M	1.15	1	0.059	323.843	7.18	7.17	2.74	2.73	21.1	21.15	33.6	33.70	2.53	2.54	19.06	19.065	24	28
M2	3/12/2024	Mid-Ebb	Sunny	Low	9:51	2.3	M	1.15	2			7.16	7.17	2.72	2.73	21.2	21.15	33.8	33.70	2.54	2.54	19.07	19.065	32	28
M3	3/12/2024	Mid-Ebb	Sunny	Low	10:38	2	M	1.00	1	0.066	331.739	7.11	7.10	3.30	3.32	21.1	21.15	48.1	48.70	3.62	3.67	29.69	29.8	35	34
M3	3/12/2024	Mid-Ebb	Sunny	Low	10:38	2	M	1.00	2			7.09	7.10	3.34	3.32	21.2	21.15	49.3	48.70	3.71	3.67	29.91	29.8	33	34

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	5/12/2024	Mid-Flood	Sunny	Low	15:55	2.5	M	1.25	1	0.075	174.713	7.2	7.20	2.74	2.73	22.9	22.90	33.9	33.40	2.55	2.51	24.82	24.875	33	30
M1	5/12/2024	Mid-Flood	Sunny	Low	15:56	2.5	M	1.25	2			7.2	2.72	2.73	22.9	22.90	33.9	33.40	2.47	2.51	24.93	24.875	27	30	
M2	5/12/2024	Mid-Flood	Sunny	Low	16:22	2.3	M	1.15	1	0.078	166.339	7.13	7.13	2.91	2.93	22.9	22.90	36.4	36.40	2.74	2.74	25.97	25.81	19	20
M2	5/12/2024	Mid-Flood	Sunny	Low	16:22	2.3	M	1.15	2			7.12	2.94	2.93	22.9	22.90	36.4	36.40	2.74	2.74	25.65	25.81	20	20	
M3	5/12/2024	Mid-Flood	Sunny	Low	16:35	2	M	1.00	1	0.095	182.632	7.13	7.13	3.23	3.24	22.9	22.95	49.6	49.45	3.73	3.72	31.75	31.55	13	18
M3	5/12/2024	Mid-Flood	Sunny	Low	16:35	2	M	1.00	2			7.15	3.25	3.24	23	22.95	49.3	49.45	3.71	3.72	31.35	31.55	23	18	
M1	5/12/2024	Mid-Ebb	Sunny	Low	10:15	2.4	M	1.20	1	0.076	315.073	7.16	7.16	2.73	2.73	22.8	22.85	35.8	35.60	2.69	2.68	19.92	20.075	18	25
M1	5/12/2024	Mid-Ebb	Sunny	Low	10:15	2.4	M	1.20	2			7.16	2.73	2.73	22.9	22.85	35.4	35.60	2.66	2.68	20.23	20.075	31	25	
M2	5/12/2024	Mid-Ebb	Sunny	Low	9:48	2	M	1.00	1	0.074	335.378	7.15	7.16	2.55	2.54	22.8	22.80	34.7	34.25	2.61	2.58	19.25	19.24	34	33
M2	5/12/2024	Mid-Ebb	Sunny	Low	9:48	2	M	1.00	2			7.17	2.53	2.54	22.8	22.80	33.8	34.25	2.54	2.58	19.23	19.24	31	33	
M3	5/12/2024	Mid-Ebb	Sunny	Low	10:33	1.9	M	0.95	1	0.065	324.21	7.15	7.16	3.46	3.44	22.8	22.80	50.4	50.75	3.79	3.82	33.25	33.28	42	39
M3	5/12/2024	Mid-Ebb	Sunny	Low	10:33	1.9	M	0.95	2			7.16	3.41	3.44	22.8	22.80	51.1	50.75	3.84	3.82	33.31	33.28	36	39	

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	7/12/2024	Mid-Flood	Sunny	Low	8:31	2.6	M	1.30	1	0.079	171.512	7.2	7.20	3.13	3.17	21.1	21.15	35.9	35.70	2.7	2.69	20.69	20.635	14	17
M1	7/12/2024	Mid-Flood	Sunny	Low	8:31	2.6	M	1.30	2			7.19	7.20	3.2	3.17	21.2	21.15	35.5	35.70	2.67	2.69	20.58	20.635	19	17
M2	7/12/2024	Mid-Flood	Sunny	Low	8:59	2.3	M	1.15	1	0.087	163.986	7.22	7.21	3.07	3.04	21.1	21.15	37.6	38.35	2.83	2.89	21.89	21.985	22	20
M2	7/12/2024	Mid-Flood	Sunny	Low	8:59	2.3	M	1.15	2			7.2	7.21	3	3.04	21.2	21.15	39.1	38.35	2.94	2.89	22.08	21.985	17	20
M3	7/12/2024	Mid-Flood	Sunny	Low	9:11	2.1	M	1.05	1	0.092	181.712	7.22	7.21	3.69	3.67	21.1	21.10	49.9	49.75	3.75	3.74	31.79	32.365	14	18
M3	7/12/2024	Mid-Flood	Sunny	Low	9:12	2.1	M	1.05	2			7.2	7.21	3.65	3.67	21.1	21.10	49.6	49.75	3.73	3.74	32.94	32.365	21	18
M1	7/12/2024	Mid-Ebb	Sunny	Low	13:29	2.4	M	1.20	1	0.073	344.765	7.18	7.19	2.99	2.95	20.9	20.95	36.7	37.35	2.76	2.81	19.88	19.66	10	10
M1	7/12/2024	Mid-Ebb	Sunny	Low	13:29	2.4	M	1.20	2			7.19	7.19	2.91	2.95	21.0	20.95	38.0	37.35	2.86	2.81	19.44	19.66	9	10
M2	7/12/2024	Mid-Ebb	Sunny	Low	13:01	2.2	M	1.10	1	0.075	326.584	7.17	7.16	3.08	3.08	20.9	20.90	37.0	37.65	2.78	2.83	19.59	19.7	21	21
M2	7/12/2024	Mid-Ebb	Sunny	Low	13:01	2.2	M	1.10	2			7.15	7.16	3.08	3.08	20.9	20.90	38.3	37.65	2.88	2.83	19.81	19.7	21	21
M3	7/12/2024	Mid-Ebb	Sunny	Low	13:48	2	M	1.00	1	0.068	302.896	7.16	7.17	3.77	3.79	20.9	20.90	49.2	48.70	3.7	3.67	33.07	32.61	29	26
M3	7/12/2024	Mid-Ebb	Sunny	Low	13:48	2	M	1.00	2			7.18	7.17	3.81	3.79	20.9	20.90	48.2	48.70	3.63	3.67	32.15	32.61	23	26

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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	10/12/2024	Mid-Flood	Sunny	Low	8:00	2.5	M	1.25	1	0.073	175.596	7.11	7.12	2.81	2.84	22.0	22.05	33.5	33.50	2.52	2.52	22.67	22.63	16	16
M1	10/12/2024	Mid-Flood	Sunny	Low	8:00	2.5	M	1.25	2			7.12	7.12	2.87	2.84	22.1	22.05	33.5	33.50	2.52	2.52	22.59	22.63	15	16
M2	10/12/2024	Mid-Flood	Sunny	Low	8:31	2.4	M	1.20	1	0.087	183.066	7.17	7.18	2.77	2.80	22.0	22.00	35.6	35.30	2.68	2.66	23.58	23.54	15	16
M2	10/12/2024	Mid-Flood	Sunny	Low	8:31	2.4	M	1.20	2			7.19	7.18	2.82	2.80	22	22.00	35.0	35.30	2.63	2.66	23.5	23.54	16	16
M3	10/12/2024	Mid-Flood	Sunny	Low	8:50	2.1	M	1.05	1	0.095	187.583	7.13	7.13	3.29	3.26	22.0	22.00	49.1	49.40	3.69	3.72	31.88	31.705	18	18
M3	10/12/2024	Mid-Flood	Sunny	Low	8:50	2.1	M	1.05	2			7.12	7.13	3.22	3.26	22	22.00	49.7	49.40	3.74	3.72	31.53	31.705	18	18
M1	10/12/2024	Mid-Ebb	Sunny	Low	15:33	2.5	M	1.25	1	0.081	316.812	7.15	7.14	2.72	2.72	21.9	21.95	35.0	34.00	2.63	2.56	24.87	24.945	18	18
M1	10/12/2024	Mid-Ebb	Sunny	Low	15:33	2.5	M	1.25	2			7.13	7.14	2.72	2.72	22.0	21.95	33.0	34.00	2.48	2.56	25.02	24.945	17	18
M2	10/12/2024	Mid-Ebb	Sunny	Low	15:12	2.1	M	1.05	1	0.079	329.54	7.2	7.21	2.57	2.57	21.9	21.90	37.5	38.25	2.82	2.88	25.90	25.885	16	17
M2	10/12/2024	Mid-Ebb	Sunny	Low	15:12	2.1	M	1.05	2			7.22	7.21	2.57	2.57	21.9	21.90	39.0	38.25	2.93	2.88	25.87	25.885	18	17
M3	10/12/2024	Mid-Ebb	Sunny	Low	15:49	2	M	1.00	1	0.067	313.992	7.14	7.14	3.54	3.56	21.9	21.90	48.9	49.60	3.68	3.73	32.28	32.415	17	16
M3	10/12/2024	Mid-Ebb	Sunny	Low	15:49	2	M	1.00	2			7.14	7.14	3.58	3.56	21.9	21.90	50.3	49.60	3.78	3.73	32.55	32.415	15	16

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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	12/12/2024	Mid-Flood	Sunny	Low	10:28	2.6	M	1.30	1	0.089	178.133	7.12	7.11	2.84	2.81	22.1	22.15	33.9	34.50	2.55	2.60	21.76	21.62	33	28
M1	12/12/2024	Mid-Flood	Sunny	Low	10:28	2.6	M	1.30	2			7.1	2.78	22.2	22.15	35.1	36.0	2.64	2.60	21.48	21.62	22	28		
M2	12/12/2024	Mid-Flood	Sunny	Low	10:53	2.4	M	1.20	1	0.078	190.404	7.18	7.18	2.80	2.76	22.1	22.15	36.0	36.75	2.71	2.77	21.99	21.81	19	20
M2	12/12/2024	Mid-Flood	Sunny	Low	10:53	2.4	M	1.20	2			7.18	2.72	22.2	22.15	37.5	37.5	2.82	2.77	21.63	21.81	20	20		
M3	12/12/2024	Mid-Flood	Sunny	Low	11:02	2.1	M	1.05	1	0.073	178.788	7.11	7.12	3.24	3.20	22.1	22.15	50.1	49.85	3.77	3.75	30.76	30.805	17	21
M3	12/12/2024	Mid-Flood	Sunny	Low	11:02	2.1	M	1.05	2			7.12	3.16	22.2	22.15	49.6	49.85	3.73	3.75	30.85	30.805	24	21		
M1	12/12/2024	Mid-Ebb	Sunny	Low	16:34	2.5	M	1.25	1	0.079	304.135	7.17	7.18	2.68	2.71	22.2	22.20	37.0	36.65	2.78	2.76	19.94	20.075	19	20
M1	12/12/2024	Mid-Ebb	Sunny	Low	16:35	2.5	M	1.25	2			7.19	2.74	22.2	22.20	36.3	36.65	2.73	2.76	20.21	20.075	21	20		
M2	12/12/2024	Mid-Ebb	Sunny	Low	16:13	2.2	M	1.10	1	0.079	302.394	7.18	7.18	2.59	2.64	22.2	22.25	37.6	37.60	2.83	2.83	19.44	19.58	25	27
M2	12/12/2024	Mid-Ebb	Sunny	Low	16:13	2.2	M	1.10	2			7.17	2.68	22.3	22.25	37.6	37.6	2.83	2.83	19.72	19.58	29	27		
M3	12/12/2024	Mid-Ebb	Sunny	Low	16:49	2	M	1.00	1	0.066	304.423	7.18	7.18	3.39	3.38	22.2	22.25	50.4	50.00	3.79	3.76	29.14	29.295	28	30
M3	12/12/2024	Mid-Ebb	Sunny	Low	16:49	2	M	1.00	2			7.17	3.37	22.3	22.25	49.6	50.00	3.73	3.76	29.45	29.295	32	30		

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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	14/12/2024	Mid-Flood	Sunny	Low	12:19	2.6	M	1.30	1	0.095	182.813	7.19	7.20	2.74	2.73	21.6	21.65	36.6	36.00	2.75	2.71	22.56	22.655	2.5	3
M1	14/12/2024	Mid-Flood	Sunny	Low	12:19	2.6	M	1.30	2			7.2	2.71	21.7	21.6	35.4	36.00	2.66	2.71	22.75	22.655	2.5	3		
M2	14/12/2024	Mid-Flood	Sunny	Low	12:48	2.4	M	1.20	1	0.094	180.449	7.16	7.17	2.87	2.83	21.6	21.60	35.1	35.65	2.64	2.68	23.17	23.155	2.5	3
M2	14/12/2024	Mid-Flood	Sunny	Low	12:48	2.4	M	1.20	2			7.18	2.78	21.6	21.6	36.2	35.65	2.72	2.68	23.14	23.155	2.5	3		
M3	14/12/2024	Mid-Flood	Sunny	Low	12:58	2.1	M	1.05	1	0.09	164.123	7.14	7.14	3.27	3.24	21.6	21.60	51.6	51.80	3.88	3.90	31.83	31.92	2.5	3
M3	14/12/2024	Mid-Flood	Sunny	Low	12:58	2.1	M	1.05	2			7.14	3.21	21.6	21.60	52.0	51.80	3.91	3.90	32.01	31.92	2.5	3		
M1	14/12/2024	Mid-Ebb	Sunny	Low	9:48	2.5	M	1.25	1	0.076	327.4	7.2	7.21	2.69	2.69	21.4	21.40	37.4	37.05	2.81	2.79	22.92	23.005	2.5	3
M1	14/12/2024	Mid-Ebb	Sunny	Low	9:48	2.5	M	1.25	2			7.21	2.69	21.4	21.4	36.7	37.05	2.76	2.79	23.09	23.005	2.5	3		
M2	14/12/2024	Mid-Ebb	Sunny	Low	9:22	2.2	M	1.10	1	0.07	328.441	7.19	7.19	2.62	2.64	21.4	21.45	36.6	36.00	2.75	2.71	24.30	24.185	2.5	3
M2	14/12/2024	Mid-Ebb	Sunny	Low	9:22	2.2	M	1.10	2			7.19	2.66	21.5	21.5	35.4	36.00	2.66	2.71	24.07	24.185	2.5	3		
M3	14/12/2024	Mid-Ebb	Sunny	Low	9:59	2	M	1.00	1	0.073	318.604	7.19	7.19	3.36	3.40	21.4	21.45	49.6	49.75	3.73	3.74	34.28	34.335	2.5	3
M3	14/12/2024	Mid-Ebb	Sunny	Low	9:59	2	M	1.00	2			7.19	3.44	21.5	21.45	49.9	49.75	3.75	3.74	34.39	34.335	2.5	3		

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For Flood Tide

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

For Ebb Tide

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	17/12/2024	Mid-Flood	Sunny	Low	14:13	2.6	M	1.30	1	0.095	184.925	7.17	7.17	2.71	2.74	21.0	21.05	36.2	35.60	2.72	2.68	24.34	26	26	
M1	17/12/2024	Mid-Flood	Sunny	Low	14:13	2.6	M	1.30	2			7.16	7.17	2.77	2.74	21.1	21.05	35.0	35.60	2.63	2.68	23.99	25	26	
M2	17/12/2024	Mid-Flood	Sunny	Low	14:42	2.4	M	1.20	1	0.088	180.078	7.18	7.18	2.76	2.73	21.0	21.00	37.8	36.90	2.84	2.78	25.95	31	33	
M2	17/12/2024	Mid-Flood	Sunny	Low	14:42	2.4	M	1.20	2			7.18	7.18	2.7	2.73	21	21.00	36.0	36.90	2.71	2.78	26.05	35	33	
M3	17/12/2024	Mid-Flood	Sunny	Low	14:55	2.1	M	1.05	1	0.09	186.11	7.18	7.17	3.44	3.40	21.0	21.00	49.7	49.20	3.74	3.70	35.91	35	33	
M3	17/12/2024	Mid-Flood	Sunny	Low	14:55	2.1	M	1.05	2			7.16	7.17	3.35	3.40	21	21.00	48.7	49.20	3.66	3.70	36.18	31	33	
M1	17/12/2024	Mid-Ebb	Sunny	Low	10:10	2.5	M	1.25	1	0.062	344.17	7.14	7.13	2.66	2.70	20.9	20.95	39.5	38.75	2.97	2.92	24.89	28	30	
M1	17/12/2024	Mid-Ebb	Sunny	Low	10:10	2.5	M	1.25	2			7.12	7.13	2.73	2.70	21.0	20.95	38.0	38.75	2.87	2.92	25.1	31	30	
M2	17/12/2024	Mid-Ebb	Sunny	Low	9:44	2.3	M	1.15	1	0.067	344.269	7.15	7.16	2.75	2.71	20.9	20.90	40.4	39.90	3.04	3.00	23.54	33	30	
M2	17/12/2024	Mid-Ebb	Sunny	Low	9:44	2.3	M	1.15	2			7.17	7.16	2.66	2.71	20.9	20.90	39.4	39.90	2.96	3.00	23.72	26	30	
M3	17/12/2024	Mid-Ebb	Sunny	Low	10:31	2	M	1.00	1	0.065	301.654	7.17	7.18	3.58	3.60	20.9	20.95	52.1	51.25	3.92	3.86	33.55	26	27	
M3	17/12/2024	Mid-Ebb	Sunny	Low	10:31	2	M	1.00	2			7.18	7.18	3.62	3.60	21.0	20.95	50.4	51.25	3.79	3.86	33.11	27	27	

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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	19/12/2024	Mid-Flood	Sunny	Low	15:38	2.5	M	1.25	1	0.082	174.836	7.2	7.20	2.99	3.03	21.6	21.60	37.2	37.00	2.8	2.79	20.59	20.585	35	40
M1	19/12/2024	Mid-Flood	Sunny	Low	15:38	2.5	M	1.25	2			7.19	7.12	3.07	3.13	21.6	21.60	36.8	36.35	2.77	2.74	20.58	20.585	45	40
M2	19/12/2024	Mid-Flood	Sunny	Low	15:55	2.2	M	1.10	1	0.095	166.143	7.11	7.12	3.16	3.13	21.6	21.60	37.1	36.35	2.79	2.79	21.92	21.725	42	43
M2	19/12/2024	Mid-Flood	Sunny	Low	15:55	2.2	M	1.10	2			7.13	7.12	3.1	3.13	21.6	21.60	35.6	36.35	2.68	2.74	21.53	21.725	44	43
M3	19/12/2024	Mid-Flood	Sunny	Low	16:11	2	M	1.00	1	0.088	189.453	7.13	7.13	3.89	3.92	21.6	21.65	48.9	48.30	3.68	3.64	31.78	31.65	43	45
M3	19/12/2024	Mid-Flood	Sunny	Low	16:11	2	M	1.00	2			7.13	7.13	3.94	3.92	21.7	21.65	47.7	48.30	3.59	3.64	31.52	31.65	47	45
M1	19/12/2024	Mid-Ebb	Sunny	Low	11:34	2.4	M	1.20	1	0.059	307.112	7.19	7.19	2.82	2.78	21.4	21.45	34.8	35.35	2.62	2.66	19.91	19.805	43	40
M1	19/12/2024	Mid-Ebb	Sunny	Low	11:34	2.4	M	1.20	2			7.18	7.18	2.74	2.78	21.5	21.45	35.9	35.35	2.7	2.66	19.7	19.805	37	40
M2	19/12/2024	Mid-Ebb	Sunny	Low	11:03	2.1	M	1.05	1	0.075	320.868	7.18	7.18	2.97	2.95	21.4	21.40	34.0	34.50	2.56	2.60	19.23	19.03	39	39
M2	19/12/2024	Mid-Ebb	Sunny	Low	11:03	2.1	M	1.05	2			7.17	7.18	2.92	2.95	21.4	21.40	35.0	34.50	2.63	2.60	18.83	19.03	38	39
M3	19/12/2024	Mid-Ebb	Sunny	Low	11:49	1.9	M	0.95	1	0.067	333.705	7.16	7.17	3.85	3.85	21.4	21.45	49.9	49.00	3.75	3.69	32.29	32.25	41	40
M3	19/12/2024	Mid-Ebb	Sunny	Low	11:49	1.9	M	0.95	2			7.18	7.17	3.85	3.85	21.5	21.45	48.1	49.00	3.62	3.69	32.21	32.25	39	40

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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	21/12/2024	Mid-Flood	Sunny	Low	17:31	2.5	M	1.25	1	0.087	173.345	7.18	7.18	2.83	2.83	21.2	21.20	35.0	34.00	2.63	2.56	23.09	23.135	19	20
M1	21/12/2024	Mid-Flood	Sunny	Low	17:32	2.5	M	1.25	2			7.17	7.17	2.83	2.83	21.2	21.20	33.0	34.00	2.48	2.56	23.18	23.135	22	20
M2	21/12/2024	Mid-Flood	Sunny	Low	17:55	2.4	M	1.20	1	0.084	187.294	7.19	7.20	2.82	2.86	21.2	21.20	37.4	37.20	2.81	2.80	23.55	23.72	22	27
M2	21/12/2024	Mid-Flood	Sunny	Low	17:55	2.4	M	1.20	2			7.21	7.20	2.9	2.86	21.2	21.20	37.0	37.20	2.78	2.80	23.89	23.72	31	27
M3	21/12/2024	Mid-Flood	Sunny	Low	18:13	2.1	M	1.05	1	0.079	165.303	7.14	7.15	3.33	3.31	21.2	21.20	48.9	49.65	3.68	3.74	28.65	28.74	19	20
M3	21/12/2024	Mid-Flood	Sunny	Low	18:13	2.1	M	1.05	2			7.16	7.15	3.29	3.31	21.2	21.20	50.4	49.65	3.79	3.74	28.83	28.74	20	20
M1	21/12/2024	Mid-Ebb	Sunny	Low	12:49	2.5	M	1.25	1	0.064	318.45	7.11	7.12	2.69	2.71	21.1	21.15	35.4	35.82	2.66	2.69	19.84	19.98	43	42
M1	21/12/2024	Mid-Ebb	Sunny	Low	12:49	2.5	M	1.25	2			7.13	7.12	2.72	2.71	21.2	21.15	36.2	35.82	2.72	2.69	20.12	19.98	40	42
M2	21/12/2024	Mid-Ebb	Sunny	Low	12:27	2.1	M	1.05	1	0.068	308.723	7.16	7.17	2.61	2.62	21.1	21.10	35.1	35.70	2.64	2.69	18.03	17.885	43	42
M2	21/12/2024	Mid-Ebb	Sunny	Low	12:27	2.1	M	1.05	2			7.18	7.17	2.63	2.62	21.1	21.10	36.3	35.70	2.73	2.69	17.74	17.885	41	42
M3	21/12/2024	Mid-Ebb	Sunny	Low	12:58	2	M	1.00	1	0.069	304.411	7.16	7.16	3.55	3.56	21.1	21.10	50.9	50.30	3.83	3.79	29.65	29.775	38	42
M3	21/12/2024	Mid-Ebb	Sunny	Low	12:58	2	M	1.00	2			7.16	7.16	3.57	3.56	21.1	21.10	49.7	50.30	3.74	3.79	29.9	29.775	45	42

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	24/12/2024	Mid-Flood	Sunny	Low	10:03	2.6	M	1.30	1	0.08	177.879	7.09	7.10	3.21	3.18	21.8	21.80	36.8	36.15	2.77	2.72	18.55	18.525	20	19
M1	24/12/2024	Mid-Flood	Sunny	Low	10:03	2.6	M	1.30	2			7.11	7.11	3.15	3.18	21.8	21.80	35.5	36.15	2.67	2.72	18.5	18.525	18	19
M2	24/12/2024	Mid-Flood	Sunny	Low	10:35	2.4	M	1.20	1	0.073	189.017	7.11	7.11	3.17	3.17	21.8	21.85	35.5	34.55	2.67	2.60	17.66	17.825	22	23
M2	24/12/2024	Mid-Flood	Sunny	Low	10:35	2.4	M	1.20	2			7.1	7.1	3.17	3.17	21.9	21.85	33.6	34.55	2.53	2.60	17.99	17.825	23	23
M3	24/12/2024	Mid-Flood	Sunny	Low	10:48	2.1	M	1.05	1	0.093	171.252	7.08	7.08	3.88	3.85	21.8	21.80	51.6	50.75	3.88	3.82	29.55	29.47	25	27
M3	24/12/2024	Mid-Flood	Sunny	Low	10:49	2.1	M	1.05	2			7.07	7.08	3.82	3.85	21.8	21.80	49.9	50.75	3.75	3.82	29.39	29.47	28	27
M1	24/12/2024	Mid-Ebb	Sunny	Low	14:44	2.5	M	1.25	1	0.071	325.855	7.12	7.12	3.08	3.07	21.6	21.60	36.4	36.35	2.74	2.74	19.85	19.965	24	31
M1	24/12/2024	Mid-Ebb	Sunny	Low	14:44	2.5	M	1.25	2			7.12	7.12	3.06	3.07	21.6	21.60	36.3	36.35	2.73	2.74	20.08	19.965	37	31
M2	24/12/2024	Mid-Ebb	Sunny	Low	14:20	2.3	M	1.15	1	0.066	306.11	7.12	7.12	2.99	2.95	21.6	21.60	36.7	36.70	2.76	2.76	17.33	17.12	30	30
M2	24/12/2024	Mid-Ebb	Sunny	Low	14:21	2.3	M	1.15	2			7.12	7.12	2.9	2.95	21.6	21.60	36.7	36.70	2.76	2.76	16.91	17.12	30	30
M3	24/12/2024	Mid-Ebb	Sunny	Low	14:59	2	M	1.00	1	0.07	326.448	7.11	7.12	3.77	3.74	21.6	21.60	50.5	50.40	3.8	3.79	28.31	28.205	32	32
M3	24/12/2024	Mid-Ebb	Sunny	Low	14:59	2	M	1.00	2			7.12	7.12	3.71	3.74	21.6	21.60	50.3	50.40	3.78	3.79	28.1	28.205	31	32

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	26/12/2024	Mid-Flood	Sunny	Low	10:07	2.5	M	1.25	1	0.086	181.359	7.2	7.19	2.70	2.67	20.9	20.95	36.3	36.25	2.72	2.72	18.14	17.99	2.5	3
M1	26/12/2024	Mid-Flood	Sunny	Low	10:07	2.5	M	1.25	2			7.18	2.64	21	20.95	36.2	36.25	2.72	2.72	17.84	17.99	2.5	3		
M2	26/12/2024	Mid-Flood	Sunny	Low	10:28	2.3	M	1.15	1	0.075	185.362	7.16	7.15	2.81	2.81	20.9	20.95	35.6	36.00	2.68	2.71	17.90	17.94	2.5	3
M2	26/12/2024	Mid-Flood	Sunny	Low	10:29	2.3	M	1.15	2			7.14	2.8	21	20.95	36.4	36.00	2.74	2.74	17.98	17.94	4	3		
M3	26/12/2024	Mid-Flood	Sunny	Low	10:44	2	M	1.00	1	0.084	185.938	7.17	7.17	3.77	3.68	20.9	20.90	48.8	48.15	3.67	3.62	29.70	29.515	2.5	3
M3	26/12/2024	Mid-Flood	Sunny	Low	10:44	2	M	1.00	2			7.16	3.58	20.9	20.90	47.5	48.15	3.57	3.57	29.33	29.515	2.5	3		
M1	26/12/2024	Mid-Ebb	Sunny	Low	15:49	2.4	M	1.20	1	0.078	332.363	7.2	7.21	2.64	2.63	20.8	20.85	36.4	35.50	2.74	2.67	17.85	17.86	3	5
M1	26/12/2024	Mid-Ebb	Sunny	Low	15:49	2.4	M	1.20	2			7.21	2.61	20.9	20.85	34.6	35.50	2.6	2.6	17.87	17.86	6	5		
M2	26/12/2024	Mid-Ebb	Sunny	Low	15:22	2	M	1.00	1	0.076	333.764	7.12	7.13	2.70	2.74	20.8	20.85	34.6	33.65	2.6	2.53	16.99	17	5	5
M2	26/12/2024	Mid-Ebb	Sunny	Low	15:22	2	M	1.00	2			7.13	2.77	20.9	20.85	32.7	33.65	2.46	2.46	17.01	17	4	5		
M3	26/12/2024	Mid-Ebb	Sunny	Low	16:03	1.9	M	0.95	1	0.061	340.144	7.14	7.15	3.26	3.29	20.8	20.85	48.5	48.85	3.65	3.68	28.51	28.295	2.5	3
M3	26/12/2024	Mid-Ebb	Sunny	Low	16:03	1.9	M	0.95	2			7.15	3.32	20.9	20.85	49.2	48.85	3.7	3.7	28.08	28.295	2.5	3		

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	28/12/2024	Mid-Flood	Sunny	Low	11:53	2.5	M	1.25	1	0.085	189.38	7.08	7.09	3.33	3.31	20.5	20.50	33.8	33.15	2.54	2.49	20.55	20.515	2.5	3
M1	28/12/2024	Mid-Flood	Sunny	Low	11:53	2.5	M	1.25	2			7.1	3.28	20.5	20.50	32.5	33.15	2.44	2.49	20.48	20.515	2.5	3		
M2	28/12/2024	Mid-Flood	Sunny	Low	12:19	2.3	M	1.15	1	0.083	184.37	7.05	7.04	3.44	3.43	20.5	20.50	35.9	36.65	2.7	2.76	22.28	22.345	2.5	3
M2	28/12/2024	Mid-Flood	Sunny	Low	12:19	2.3	M	1.15	2			7.03	3.42	20.5	20.50	37.4	36.65	2.81	2.76	22.41	22.345	2.5	3		
M3	28/12/2024	Mid-Flood	Sunny	Low	12:33	2	M	1.00	1	0.085	165.937	7.11	7.12	4.12	4.14	20.5	20.50	48.0	47.65	3.61	3.59	35.41	35.27	2.5	3
M3	28/12/2024	Mid-Flood	Sunny	Low	12:33	2	M	1.00	2			7.12	4.15	20.5	20.50	47.3	47.65	3.56	3.59	35.13	35.27	2.5	3		
M1	28/12/2024	Mid-Ebb	Sunny	Low	9:36	2.4	M	1.20	1	0.079	318.046	7.18	7.19	3.26	3.24	20.3	20.35	35.6	34.95	2.68	2.63	21.83	21.885	2.5	3
M1	28/12/2024	Mid-Ebb	Sunny	Low	9:36	2.4	M	1.20	2			7.2	3.22	20.4	20.35	34.3	34.95	2.58	2.63	21.94	21.885	2.5	3		
M2	28/12/2024	Mid-Ebb	Sunny	Low	9:12	2	M	1.00	1	0.071	326.961	7.15	7.15	3.44	3.41	20.3	20.30	34.2	34.30	2.57	2.58	22.15	22.245	2.5	3
M2	28/12/2024	Mid-Ebb	Sunny	Low	9:12	2	M	1.00	2			7.15	3.37	20.3	20.30	34.4	34.30	2.59	2.58	22.34	22.245	2.5	3		
M3	28/12/2024	Mid-Ebb	Sunny	Low	9:48	1.9	M	0.95	1	0.079	325.271	7.12	7.12	4.38	4.35	20.3	20.30	50.9	51.25	3.83	3.86	36.70	36.88	2.5	3
M3	28/12/2024	Mid-Ebb	Sunny	Low	9:49	1.9	M	0.95	2			7.12	4.32	20.3	20.30	51.6	51.25	3.88	3.86	37.06	36.88	2.5	3		

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	31/12/2024	Mid-Flood	Sunny	Low	13:43	2.4	M	1.20	1	0.093	178.359	7.2	7.20	2.70	2.67	21.5	21.55	38.3	38.75	2.88	2.92	12.55	12.64	31	32
M1	31/12/2024	Mid-Flood	Sunny	Low	13:43	2.4	M	1.20	2			7.19	2.63	21.6	21.5	39.2	2.95	12.73	12.64	33	32				
M2	31/12/2024	Mid-Flood	Sunny	Low	14:10	2.2	M	1.10	1	0.073	175.52	7.15	7.16	2.75	2.71	21.5	21.50	41.1	41.30	3.09	3.11	13.44	13.4	45	47
M2	31/12/2024	Mid-Flood	Sunny	Low	14:10	2.2	M	1.10	2			7.16	2.66	21.5	21.5	41.5	3.12	13.36	13.4	48	47				
M3	31/12/2024	Mid-Flood	Sunny	Low	14:28	2	M	1.00	1	0.078	187.844	7.13	7.14	3.26	3.25	21.5	21.50	51.6	52.15	3.88	3.92	24.69	24.475	41	40
M3	31/12/2024	Mid-Flood	Sunny	Low	14:28	2	M	1.00	2			7.15	3.24	21.5	21.50	52.7	3.96	24.26	24.475	38	40				
M1	31/12/2024	Mid-Ebb	Sunny	Low	9:36	2.4	M	1.20	1	0.068	344.343	7.17	7.18	2.65	2.65	21.6	21.60	38.7	39.25	2.91	2.95	11.87	12	30	34
M1	31/12/2024	Mid-Ebb	Sunny	Low	9:36	2.4	M	1.20	2			7.19	2.65	21.6	21.60	39.8	2.99	12.13	12	38	34				
M2	31/12/2024	Mid-Ebb	Sunny	Low	9:03	2.1	M	1.05	1	0.064	344.736	7.14	7.15	2.61	2.58	21.6	21.60	40.6	39.60	3.05	2.98	12.58	12.715	41	39
M2	31/12/2024	Mid-Ebb	Sunny	Low	9:03	2.1	M	1.05	2			7.15	2.54	21.6	21.60	38.6	2.9	12.85	12.715	36	39				
M3	31/12/2024	Mid-Ebb	Sunny	Low	9:48	1.9	M	0.95	1	0.076	300.88	7.17	7.18	3.36	3.39	21.6	21.65	54.8	55.20	4.12	4.15	23.14	22.995	51	55
M3	31/12/2024	Mid-Ebb	Sunny	Low	9:48	1.9	M	0.95	2			7.18	3.41	21.7	21.65	55.6	4.18	22.85	22.995	58	55				

Remark

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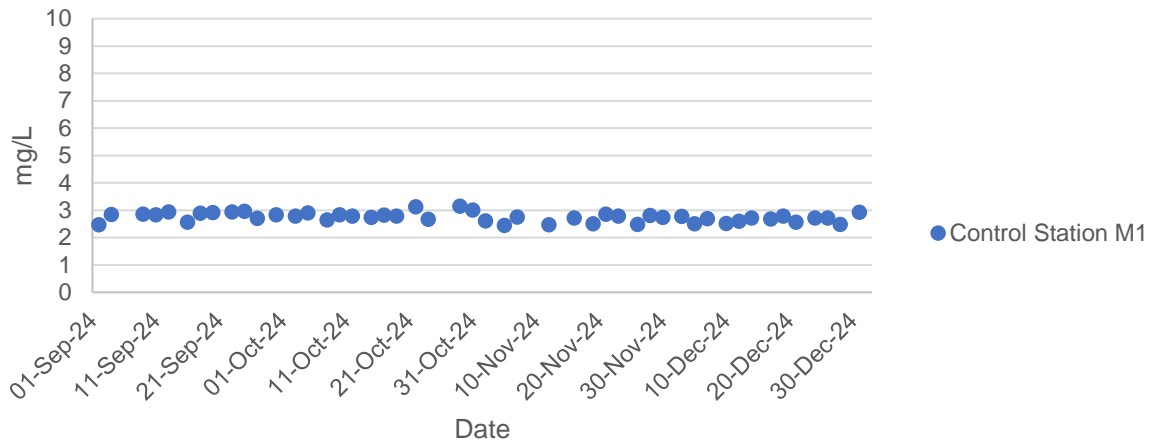
For Flood Tide

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

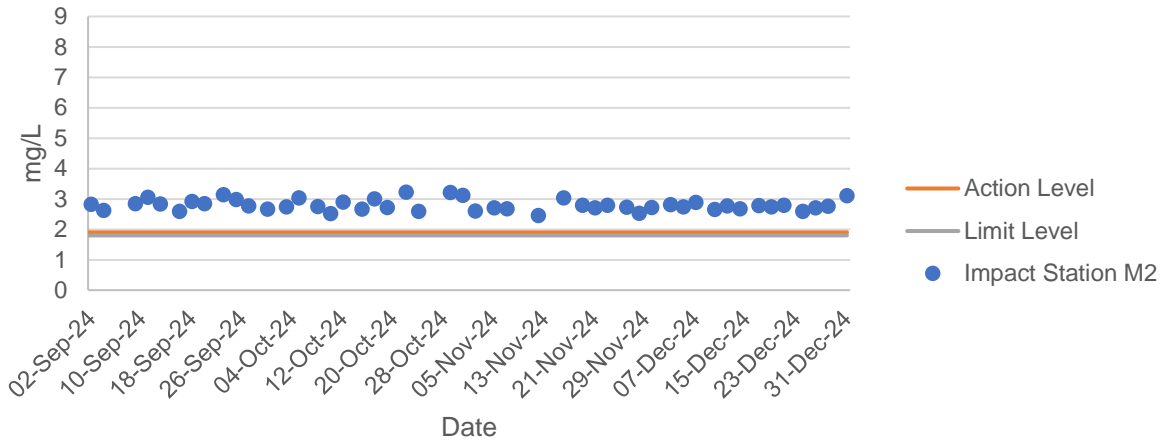
For Ebb Tide

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

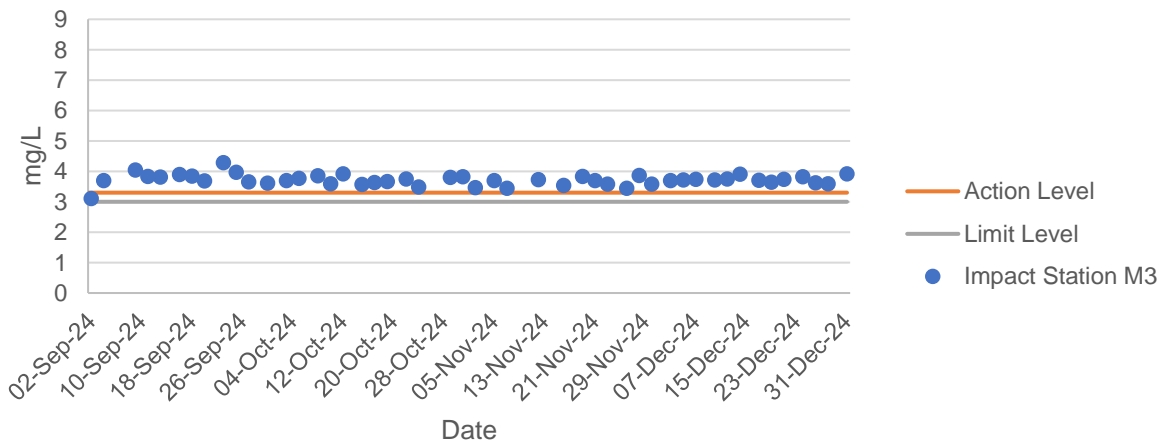
### Dissolved Oxygen at Mid-Flood Tide



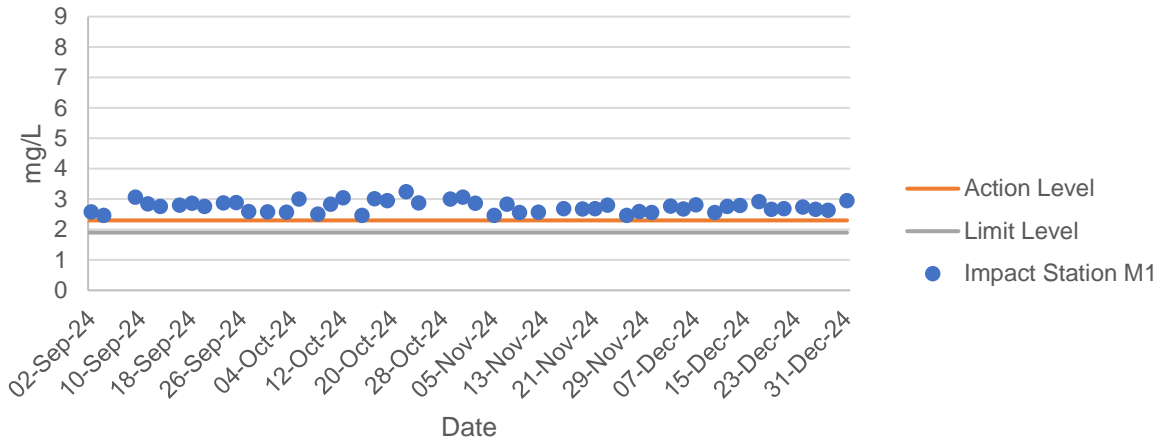
### Dissolved Oxygen at Mid-Flood Tide



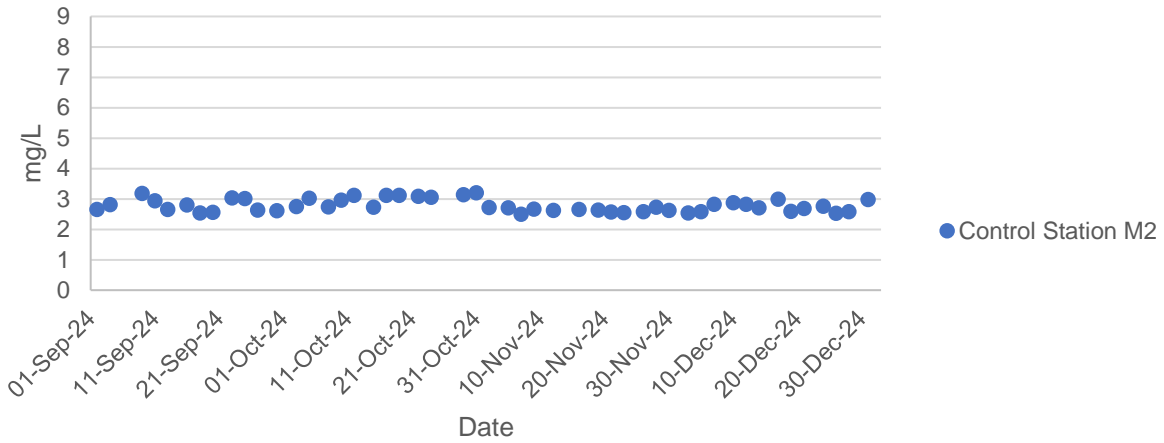
### Dissolved Oxygen at Mid-Flood Tide



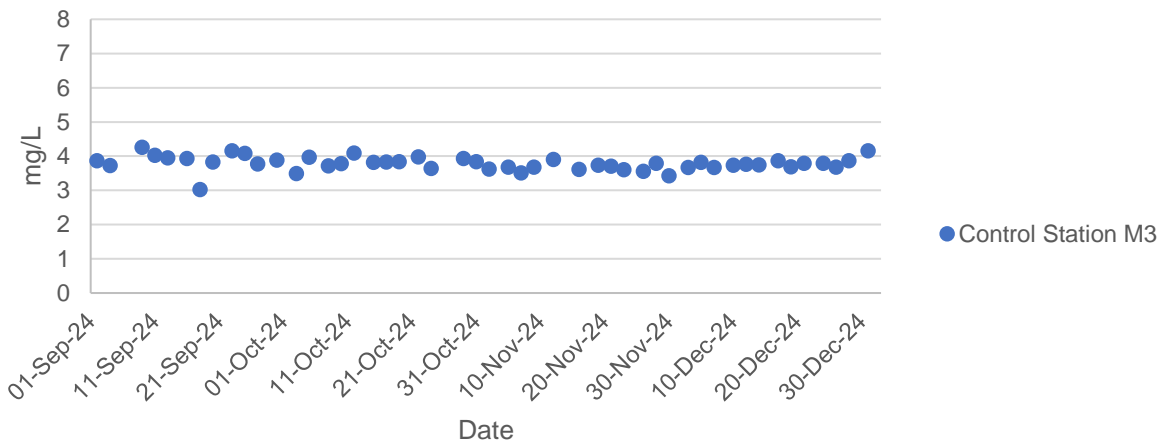
### Dissolved Oxygen at Mid-Ebb Tide



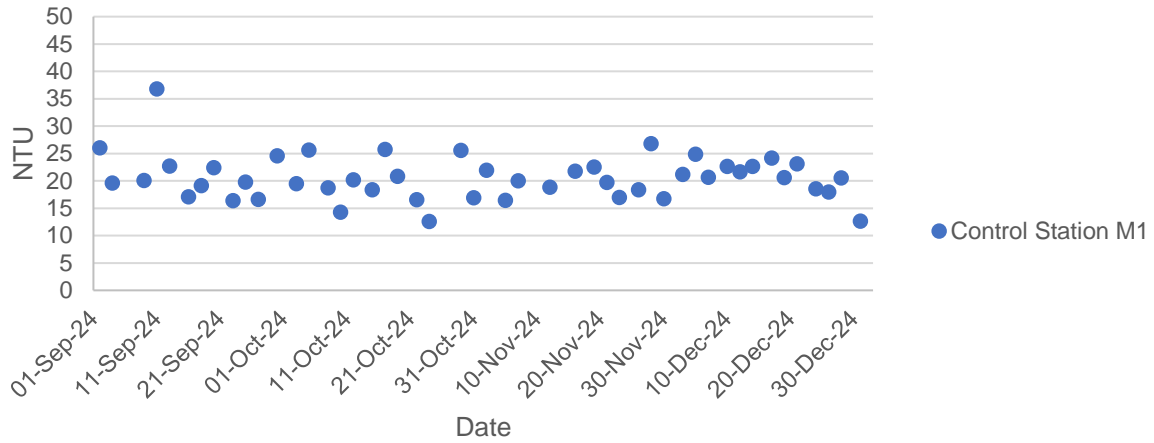
### Dissolved Oxygen at Mid-Ebb Tide



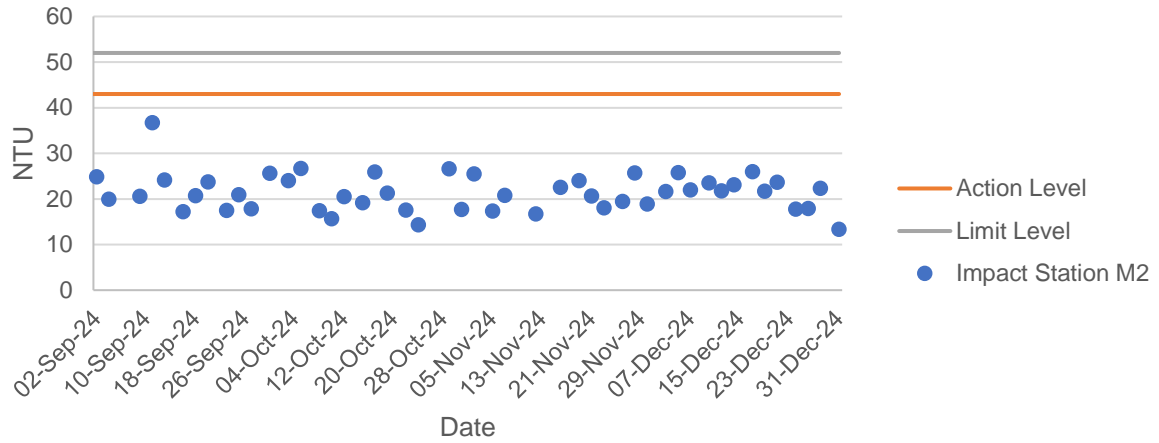
### Dissolved Oxygen at Mid-Ebb Tide



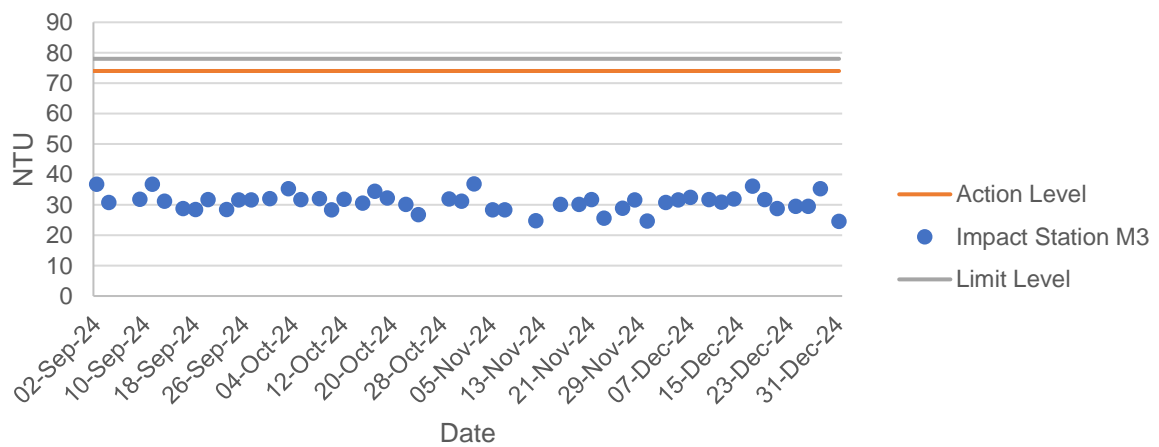
### Turbidity at Mid-Flood Tide



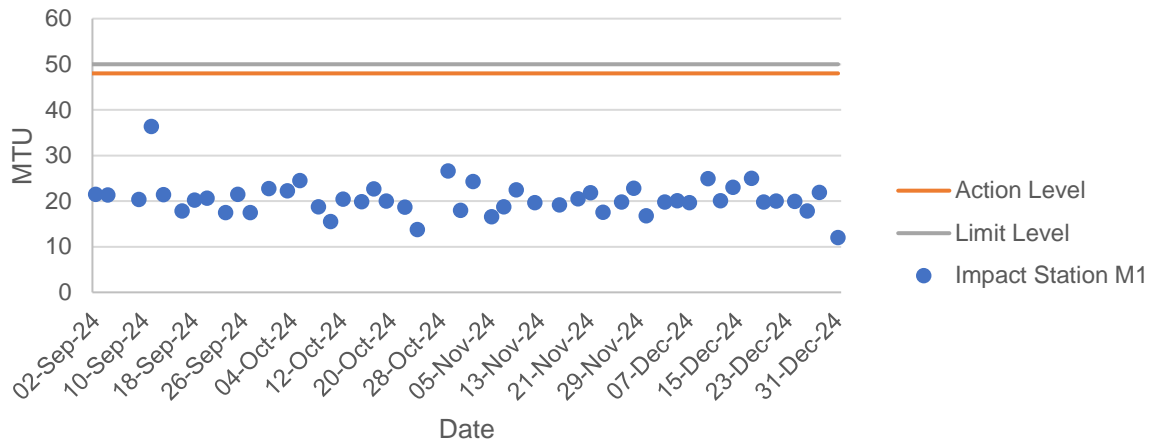
### Turbidity at Mid-Flood Tide



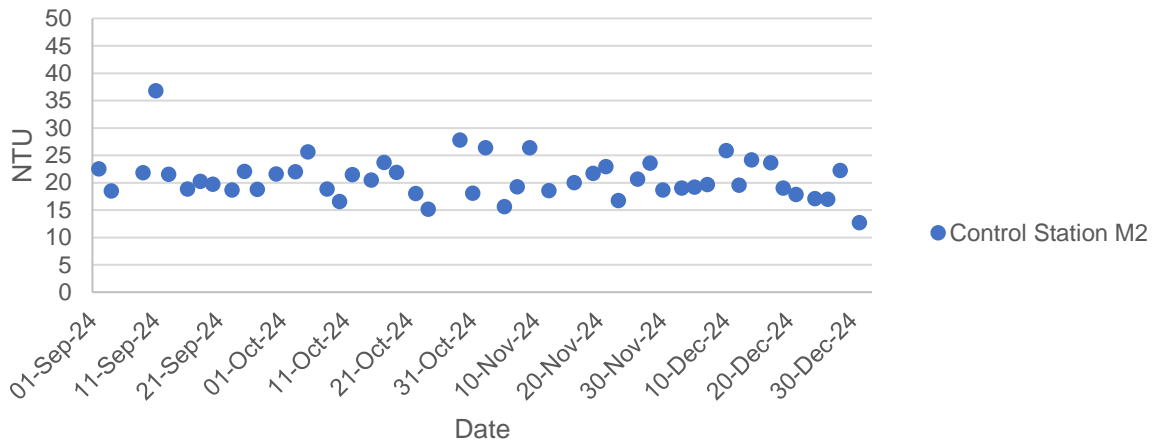
### Turbidity at Mid-Flood Tide



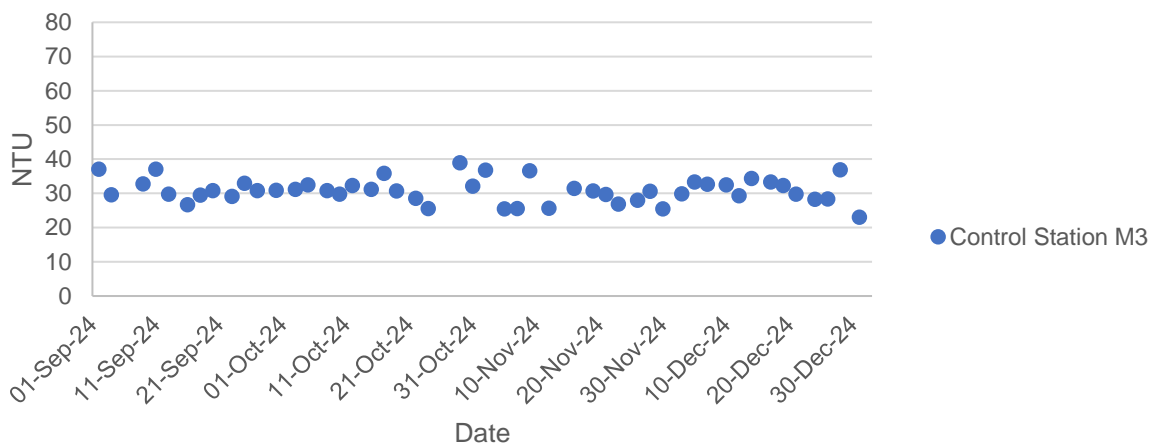
### Turbidity at Mid-Ebb Tide



### Turbidity at Mid-Ebb Tide

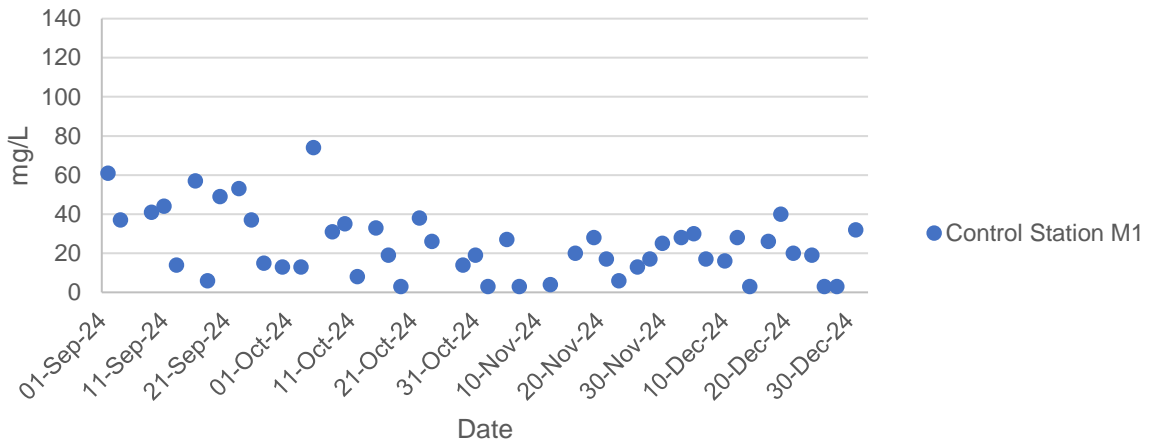


### Turbidity at Mid-Ebb Tide

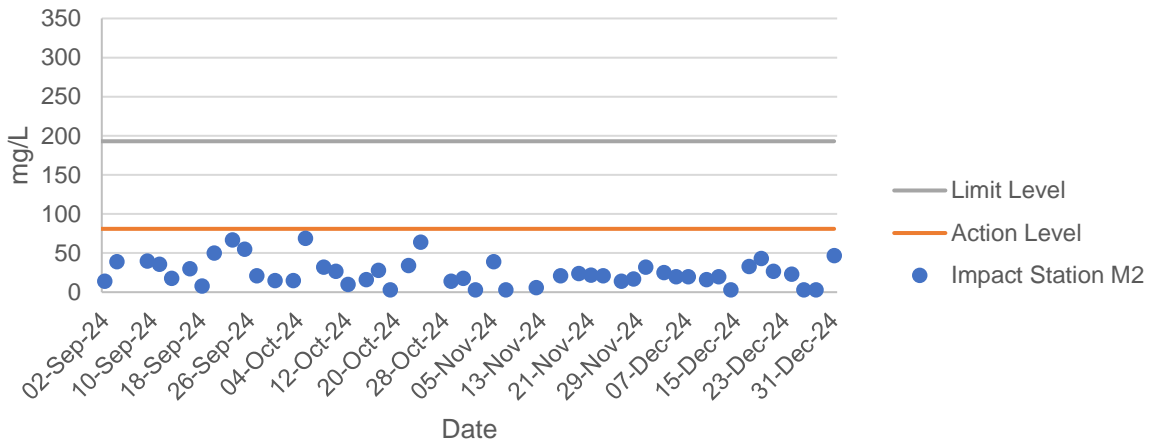




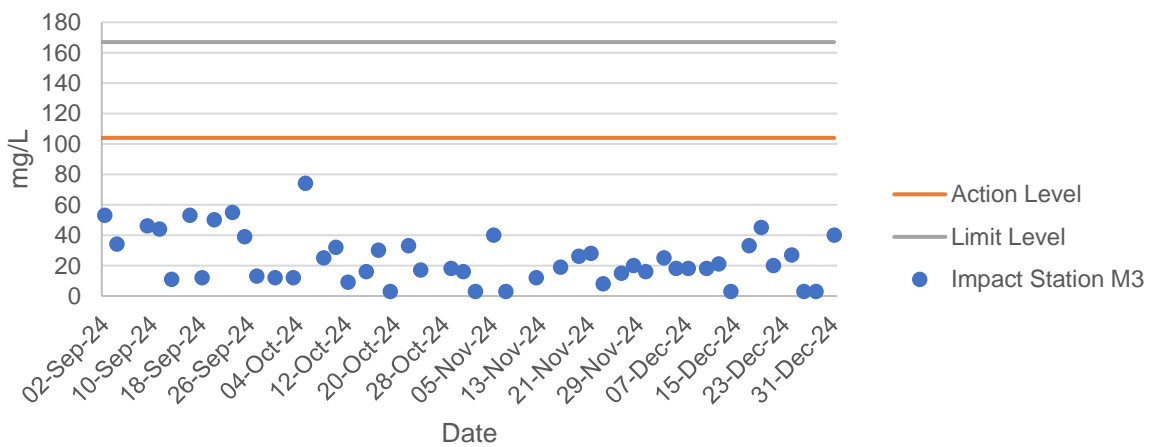
### Total Suspended Solids at Mid-Flood Tide



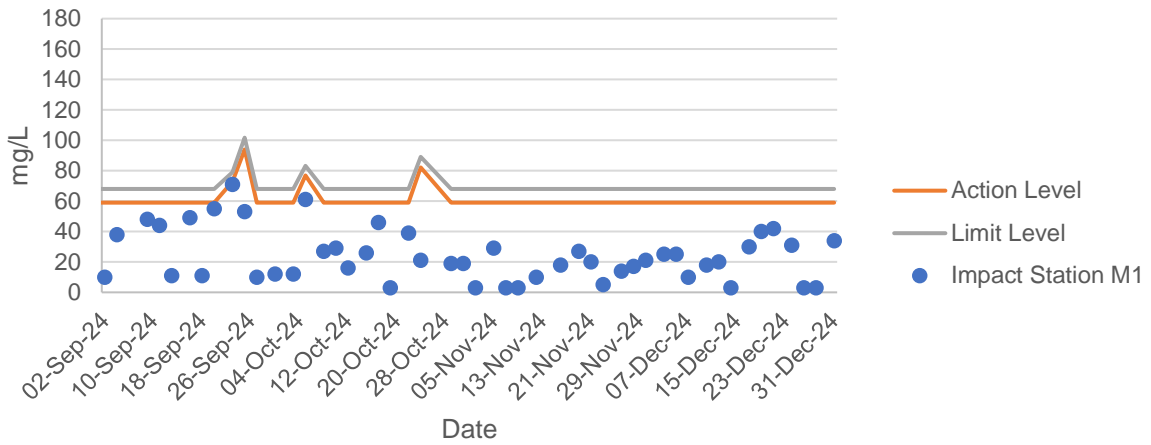
### Total Suspended Solids at Mid-Flood Tide



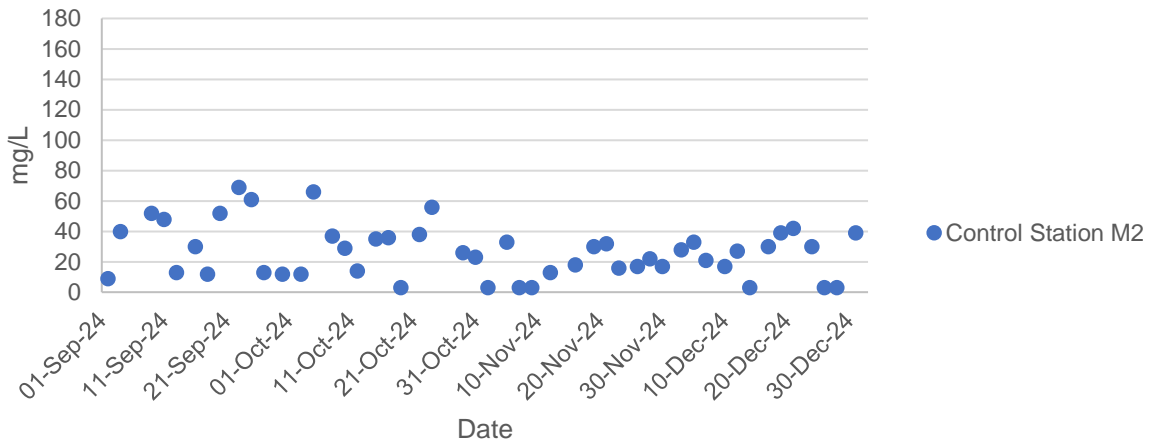
### Total Suspended Solids at Mid-Flood Tide



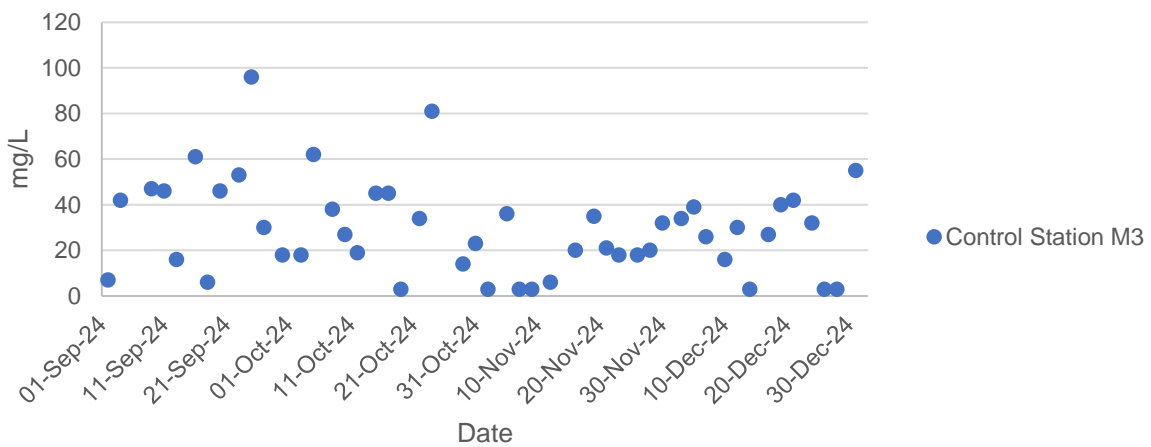
### Total Suspended Solids at Mid-Ebb Tide



### Total Suspended Solids at Mid-Ebb Tide



### Total Suspended Solids at Mid-Ebb Tide



Ecology Monitoring Results for

Contract No. SPW 02/2023

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

Appendix F.1 Ecological Bird Monitoring Result (4 and 18 December 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>
4/12/2024	Daytime	Dry	FLW	Point Count	FLW1	Little Grebe	<i>Tachybaptus ruficollis</i>	4	Common	R	LC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW1	Great Cormorant	<i>Phalacrocorax carbo</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW1	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW1	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW1	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW1	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW2	Little Grebe	<i>Tachybaptus ruficollis</i>	2	Common	R	LC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW2	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW2	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW2	Black-collared Starling	<i>Gracupica nigricollis</i>	10	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW2	White Wagtail	<i>Motacilla alba</i>	4	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW3	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW3	Crested Myna	<i>Acridotheres cristatellus</i>	2	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Little Grebe	<i>Tachybaptus ruficollis</i>	4	Common	R	LC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Great Cormorant	<i>Phalacrocorax carbo</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Common Moorhen	<i>Gallinula chloropus</i>	2	Common	R	-	-	-	LC	LC	N	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Pied Kingfisher	<i>Ceryle rudis</i>	1	Uncommon	R	-	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	1	Common	WV,Sp	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Plain Prinia	<i>Prinia inornata</i>	3	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Swinhoe's White-eye	<i>Zosterops simplex</i>	3	Abundant	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (4 and 18 December 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>
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Black-collared Starling	<i>Gracupica nigricollis</i>	8	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Scaly-breasted Munia	<i>Lonchura punctulata</i>	4	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Black-faced Bunting	<i>Emberiza spodocephala</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Eastern Cattle Egret	<i>Bubulcus coromandus</i>	3	Common	R.PM	(LC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Great Cormorant	<i>Phalacrocorax carbo</i>	13	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	White-breasted Waterhen	<i>Amauornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Common Sandpiper	<i>Actitis hypoleucos</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Asian Koel	<i>Eudynamis scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Collared Crow	<i>Corvus torquatus</i>	2	Uncommon	R	LC	-	-	NT	VU	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	1	Common	WV,Sp	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Black-collared Starling	<i>Gracupica nigricollis</i>	25	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Daurian Redstart	<i>Phoenicurus aureus</i>	1	Common	WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Eurasian Tree Sparrow	<i>Passer montanus</i>	5	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N

## Appendix F.1 Ecological Bird Monitoring Result (4 and 18 December 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>
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Richard's Pipit	<i>Anthus richardi</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Eurasian Spoonbill	<i>Platalea leucorodia</i>	1	W	W	LC	Class II	VU	NT	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW6	Tufted Duck	<i>Aythya fuligula</i>	4	Uncommon	WV	LC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW6	Little Grebe	<i>Tachybaptus ruficollis</i>	3	Common	R	LC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW6	Great Cormorant	<i>Phalacrocorax carbo</i>	6	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW6	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW6	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	3	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW6	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW7	Spotted Dove	<i>Spilopelia chinensis</i>	5	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW7	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	VU	LC	LC	Y	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW7	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW7	Azure-winged Magpie	<i>Cyanopica cyanus</i>	19	Introduced	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW7	Dusky Warbler	<i>Phylloscopus fuscatu</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW7	Black-collared Starling	<i>Gracupica nigricollis</i>	30	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW7	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW7	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Tufted Duck	<i>Aythya fuligula</i>	6	Uncommon	WV	LC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Great Cormorant	<i>Phalacrocorax carbo</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Transect	FLW	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Common Moorhen	<i>Gallinula chloropus</i>	1	Common	R	-	-	-	LC	LC	N	Y
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Spotted Dove	<i>Spilopelia chinensis</i>	6	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	2	Introduced	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	8	Abundant	R	-	-	-	LC	LC	N	N

## Appendix F.1 Ecological Bird Monitoring Result (4 and 18 December 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>
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	1	Common	WV,Sp	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Dusky Warbler	<i>Phylloscopus fuscatus</i>	3	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Swinhoe's White-eye	<i>Zosterops simplex</i>	3	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	10	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Scaly-breasted Munia	<i>Lonchura punctulata</i>	2	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Great Cormorant	<i>Phalacrocorax carbo</i>	85	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Common Sandpiper	<i>Actitis hypoleucos</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Common	-	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Asian Koel	<i>Eudynamis scolopaceus</i>	1	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Azure-winged Magpie	<i>Cyanopica cyanus</i>	6	Introduced	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Large-billed Crow	<i>Corvus macrorhynchos</i>	1	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	8	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	1	Common	WV,Sp	-	-	-	LC	LC	N	N

## Appendix F.1 Ecological Bird Monitoring Result (4 and 18 December 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>
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	2	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	5	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Crested Myna	<i>Acridotheres crisatellus</i>	14	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	White-cheeked Starling	<i>Spodiopsar cineraceus</i>	1	Common	WV	PRC	-	-	-	-	Y	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Daurian Redstart	<i>Phoenicurus aureus</i>	1	Common	WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Eurasian Tree Sparrow	<i>Passer montanus</i>	15	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	White Wagtail	<i>Motacilla alba</i>	5	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Northern Shoveler	<i>Spatula clypeata</i>	8	Abundant	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Eurasian Teal	<i>Anas crecca</i>	3	Common	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Great Cormorant	<i>Phalacrocorax carbo</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Black-winged stilt	<i>Himantopus himantopus</i>	7	Common	PM	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Pied Avocet	<i>Recurvirostra avosetta</i>	2	Abundant	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Little Ringed Plover	<i>Charadrius dubius</i>	2	Common	WV,PM	(LC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Marsh Sandpiper	<i>Tringa stagnatilis</i>	1	Common	PM,WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Common Greenshank	<i>Tringa nebularia</i>	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Azure-winged Magpie	<i>Cyanopica cyanus</i>	4	Introduced	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N



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Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong <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>
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Swinhoe's White-eye	<i>Zosterops simplex</i>	6	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Crested Myna	<i>Acridotheres cristatellus</i>	20	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Glossy Ibis	<i>Plegadis falcinellus</i>	1	Vagrant	-	-	Class I	-	NT	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Northern Shoveler	<i>Spatula clypeata</i>	5	Abundant	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Eurasian Teal	<i>Anas crecca</i>	4	Common	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Black-faced Spoonbill	<i>Platalea minor</i>	4	Common	WV	PGC	Class II	EN	EN	EN	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Chinese Pond Heron	<i>Ardeola bacchus</i>	7	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Grey Heron	<i>Ardea cinerea</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Great Cormorant	<i>Phalacrocorax carbo</i>	7	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Black-winged stilt	<i>Himantopus himantopus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Sandpiper	<i>Actitis hypoleucos</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Redshank	<i>Tringa totanus</i>	1	Common	PM	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Greenshank	<i>Tringa nebularia</i>	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Azure-winged Magpie	<i>Cyanopica cyanus</i>	2	Introduced	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Japanese Tit	<i>Parus minor</i>	2	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Dusky Warbler	<i>Phylloscopus fuscatus</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Swinhoe's White-eye	<i>Zosterops simplex</i>	4	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Red-billed Starling	<i>Spodiopsar sericeus</i>	14	Common	WV	GC	-	-	LC	LC	Y	Y

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Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong <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>
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Garganey	<i>Spatula querquedula</i>	9	Common	M,W	-	-	-	-	LC	N	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Northern Shoveler	<i>Spatula clypeata</i>	46	Abundant	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Eurasian Wigeon	<i>Mareca penelope</i>	30	Common	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Eurasian Teal	<i>Anas crecca</i>	32	Common	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Tufted Duck	<i>Aythya fuligula</i>	125	Uncommon	WV	LC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Chinese Pond Heron	<i>Ardeola bacchus</i>	14	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Moorhen	<i>Gallinula chloropus</i>	13	Common	R	-	-	-	LC	LC	N	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Black-winged stilt	<i>Himantopus himantopus</i>	30	Common	PM	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Pied Avocet	<i>Recurvirostra avosetta</i>	6	Abundant	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Snipe	<i>Gallinago gallinago</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Redshank	<i>Tringa totanus</i>	3	Common	PM	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Marsh Sandpiper	<i>Tringa stagnatilis</i>	2	Common	PM,WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Greenshank	<i>Tringa nebularia</i>	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Azure-winged Magpie	<i>Cyanopica cyanus</i>	14	Introduced	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	2	Common	WV,Sp	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Northern Pintail	<i>Anas acuta</i>	3	Abundant	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Northern Shoveler	<i>Spatula clypeata</i>	2	Abundant	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Chinese Pond Heron	<i>Ardeola bacchus</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Great Cormorant	<i>Phalacrocorax carbo</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Dusky Warbler	<i>Phylloscopus fuscatu</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N

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Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong <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>
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Daurian Redstart	<i>Phoenicurus aureus</i>	1	Common	WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Transect	NSW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Northern Shoveler	<i>Spatula clypeata</i>	19	Abundant	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Eurasian Teal	<i>Anas crecca</i>	34	Common	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Black-faced Spoonbill	<i>Platalea minor</i>	2	Common	WV	PGC	Class II	EN	EN	EN	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Chinese Pond Heron	<i>Ardeola bacchus</i>	10	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Grey Heron	<i>Ardea cinerea</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Great Cormorant	<i>Phalacrocorax carbo</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Black-winged stilt	<i>Himantopus himantopus</i>	33	Common	PM	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Pied Avocet	<i>Recurvirostra avosetta</i>	3	Abundant	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Common Sandpiper	<i>Actitis hypoleucos</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Common Redshank	<i>Tringa totanus</i>	5	Common	PM	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Common Greenshank	<i>Tringa nebularia</i>	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Spotted Dove	<i>Spilopelia chinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	White-throated Kingfisher	<i>Halcyon smymensis</i>	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	3	Introduced	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	2	Common	WV,Sp	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N

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Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong <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>
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Crested Myna	<i>Acridotheres crisatellus</i>	5	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Oriental Magpie Robin	<i>Copsychus sauralis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
18/12/2024	Night-time	Dry	FLW	Point Count	FLW2	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	5	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	FLW	Point Count	FLW4	Little Grebe	<i>Tachybaptus ruficollis</i>	1	Common	R	LC	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	FLW	Point Count	FLW4	Savanna Nightjar	<i>Caprimulgus affinis</i>	3	Uncommon	R.PM	-	-	-	DD	-	N	N
18/12/2024	Night-time	Dry	FLW	Point Count	FLW5	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	3	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	FLW	Point Count	FLW5	Grey Heron	<i>Ardea cinerea</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	FLW	Point Count	FLW6	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	1	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	FLW	Transect	FLW	Northern Shoveler	<i>Spatula clypeata</i>	2	Abundant	WV	RC	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	FLW	Transect	FLW	Little Grebe	<i>Tachybaptus ruficollis</i>	2	Common	R	LC	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	FLW	Transect	FLW	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	1	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	NSW	Point Count	NSW1	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	2	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	NSW	Point Count	SP/NSW1	Eurasian Teal	<i>Anas crecca</i>	10	Common	WV	RC	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	NSW	Point Count	SP/NSW1	Black-winged stilt	<i>Himantopus himantopus</i>	5	Common	PM	RC	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	NSW	Point Count	SP/NSW2	Black-winged stilt	<i>Himantopus himantopus</i>	20	Common	PM	RC	-	-	LC	LC	Y	Y

## 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): 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 (4 and 18 December 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Spatula querquedula</i>	9	0.0098	-4.6206	-0.0455	0.2102
<i>Spatula clypeata</i>	59	0.0646	-2.7403	-0.1769	0.4847
<i>Mareca penelope</i>	30	0.0328	-3.4166	-0.1121	0.3832
<i>Anas acuta</i>	3	0.0033	-5.7192	-0.0188	0.1074
<i>Anas crecca</i>	49	0.0536	-2.9260	-0.1569	0.4590
<i>Aythya fuligula</i>	129	0.1411	-1.9580	-0.2764	0.5411
<i>Tachybaptus ruficollis</i>	14	0.0153	-4.1788	-0.0640	0.2675
<i>Plegadis falcinellus</i>	1	0.0011	-6.8178	-0.0075	0.0509
<i>Platalea leucorodia</i>	1	0.0011	-6.8178	-0.0075	0.0509
<i>Platalea minor</i>	4	0.0044	-5.4315	-0.0238	0.1291
<i>Nycticorax nycticorax</i>	11	0.0120	-4.4199	-0.0532	0.2351
<i>Ardeola bacchus</i>	26	0.0284	-3.5597	-0.1013	0.3605
<i>Bubulcus coromandus</i>	3	0.0033	-5.7192	-0.0188	0.1074
<i>Ardea cinerea</i>	7	0.0077	-4.8719	-0.0373	0.1818
<i>Ardea alba</i>	1	0.0011	-6.8178	-0.0075	0.0509
<i>Egretta garzetta</i>	3	0.0033	-5.7192	-0.0188	0.1074
<i>Phalacrocorax carbo</i>	115	0.1258	-2.0729	-0.2608	0.5406
<i>Milvus migrans</i>	3	0.0033	-5.7192	-0.0188	0.1074
<i>Amauornis phoenicurus</i>	2	0.0022	-6.1247	-0.0134	0.0821
<i>Gallinula chloropus</i>	15	0.0164	-4.1098	-0.0674	0.2772
<i>Himantopus himantopus</i>	66	0.0722	-2.6282	-0.1898	0.4988
<i>Recurvirostra avosetta</i>	8	0.0088	-4.7384	-0.0415	0.1965
<i>Charadrius dubius</i>	2	0.0022	-6.1247	-0.0134	0.0821
<i>Gallinago gallinago</i>	1	0.0011	-6.8178	-0.0075	0.0509
<i>Actitis hypoleucos</i>	6	0.0066	-5.0261	-0.0330	0.1658
<i>Tringa totanus</i>	4	0.0044	-5.4315	-0.0238	0.1291
<i>Tringa stagnatilis</i>	3	0.0033	-5.7192	-0.0188	0.1074
<i>Tringa nebularia</i>	6	0.0066	-5.0261	-0.0330	0.1658
<i>Streptopelia decaocto</i>	2	0.0022	-6.1247	-0.0134	0.0821
<i>Spilopelia chinensis</i>	12	0.0131	-4.3329	-0.0569	0.2465
<i>Centropus sinensis</i>	1	0.0011	-6.8178	-0.0075	0.0509
<i>Eudynamis scolopaceus</i>	2	0.0022	-6.1247	-0.0134	0.0821
<i>Caprimulgus affinis</i>	3	0.0033	-5.7192	-0.0188	0.1074
<i>Halcyon smyrnensis</i>	1	0.0011	-6.8178	-0.0075	0.0509
<i>Alcedo atthis</i>	1	0.0011	-6.8178	-0.0075	0.0509
<i>Ceryle rudis</i>	1	0.0011	-6.8178	-0.0075	0.0509
<i>Lanius schach</i>	2	0.0022	-6.1247	-0.0134	0.0821
<i>Cyanopica cyanus</i>	45	0.0492	-3.0112	-0.1483	0.4464
<i>Corvus torquatus</i>	2	0.0022	-6.1247	-0.0134	0.0821
<i>Corvus macrorhynchos</i>	1	0.0011	-6.8178	-0.0075	0.0509
<i>Parus minor</i>	2	0.0022	-6.1247	-0.0134	0.0821
<i>Pycnonotus jocosus</i>	19	0.0208	-3.8734	-0.0805	0.3119
<i>Pycnonotus sinensis</i>	9	0.0098	-4.6206	-0.0455	0.2102
<i>Phylloscopus inornatus</i>	5	0.0055	-5.2084	-0.0285	0.1484
<i>Phylloscopus fuscatus</i>	7	0.0077	-4.8719	-0.0373	0.1818
<i>Prinia flaviventris</i>	5	0.0055	-5.2084	-0.0285	0.1484
<i>Prinia inornata</i>	5	0.0055	-5.2084	-0.0285	0.1484
<i>Orthotomus sutorius</i>	1	0.0011	-6.8178	-0.0075	0.0509
<i>Pterorhinus perspicillatus</i>	5	0.0055	-5.2084	-0.0285	0.1484

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Zosterops simplex</i>	13	0.0142	-4.2529	-0.0605	0.2573
<i>Acridotheres cristatellus</i>	36	0.0394	-3.2343	-0.1274	0.4120
<i>Spodiopsar sericeus</i>	14	0.0153	-4.1788	-0.0640	0.2675
<i>Spodiopsar cineraceus</i>	1	0.0011	-6.8178	-0.0075	0.0509
<i>Gracupica nigricollis</i>	87	0.0952	-2.3519	-0.2239	0.5265
<i>Copsychus saularis</i>	4	0.0044	-5.4315	-0.0238	0.1291
<i>Phoenicurus aureus</i>	2	0.0022	-6.1247	-0.0134	0.0821
<i>Saxicola stejnegeri</i>	3	0.0033	-5.7192	-0.0188	0.1074
<i>Passer montanus</i>	20	0.0219	-3.8221	-0.0836	0.3197
<i>Lonchura punctulata</i>	4	0.0044	-5.4315	-0.0238	0.1291
<i>Motacilla alba</i>	15	0.0164	-4.1098	-0.0674	0.2772
<i>Anthus richardi</i>	1	0.0011	-6.8178	-0.0075	0.0509
<i>Emberiza spodocephala</i>	2	0.0022	-6.1247	-0.0134	0.0821
Total	914	1	-318.4834	-3.1949	11.6353
Richness	62				
SS	11.6353				
SQ	10.2075				
H	3.1949				
S <sup>2</sup> H	0.0016				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (4 and 18 December 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Spatula clypeata</i>	59	0.1039	-2.2646	-0.2352	0.5327
<i>Mareca penelope</i>	30	0.0528	-2.9409	-0.1553	0.4568
<i>Anas acuta</i>	3	0.0053	-5.2435	-0.0277	0.1452
<i>Anas crecca</i>	49	0.0863	-2.4503	-0.2114	0.5179
<i>Aythya fuligula</i>	129	0.2271	-1.4823	-0.3367	0.4990
<i>Tachybaptus ruficollis</i>	14	0.0246	-3.7031	-0.0913	0.3380
<i>Plegadis falcinellus</i>	1	0.0018	-6.3421	-0.0112	0.0708
<i>Platalea leucorodia</i>	1	0.0018	-6.3421	-0.0112	0.0708
<i>Platalea minor</i>	4	0.0070	-4.9558	-0.0349	0.1730
<i>Nycticorax nycticorax</i>	11	0.0194	-3.9442	-0.0764	0.3013
<i>Ardeola bacchus</i>	26	0.0458	-3.0840	-0.1412	0.4354
<i>Bubulcus coromandus</i>	3	0.0053	-5.2435	-0.0277	0.1452
<i>Ardea cinerea</i>	7	0.0123	-4.3962	-0.0542	0.2382
<i>Ardea alba</i>	1	0.0018	-6.3421	-0.0112	0.0708
<i>Egretta garzetta</i>	3	0.0053	-5.2435	-0.0277	0.1452
<i>Phalacrocorax carbo</i>	115	0.2025	-1.5972	-0.3234	0.5165
<i>Milvus migrans</i>	3	0.0053	-5.2435	-0.0277	0.1452
<i>Himantopus himantopus</i>	66	0.1162	-2.1525	-0.2501	0.5384
<i>Recurvirostra avosetta</i>	8	0.0141	-4.2627	-0.0600	0.2559
<i>Charadrius dubius</i>	2	0.0035	-5.6490	-0.0199	0.1124
<i>Tringa totanus</i>	4	0.0070	-4.9558	-0.0349	0.1730
<i>Tringa stagnatilis</i>	3	0.0053	-5.2435	-0.0277	0.1452
<i>Tringa nebularia</i>	6	0.0106	-4.5504	-0.0481	0.2187
<i>Centropus sinensis</i>	1	0.0018	-6.3421	-0.0112	0.0708
<i>Halcyon smyrnensis</i>	1	0.0018	-6.3421	-0.0112	0.0708
<i>Ceryle rudis</i>	1	0.0018	-6.3421	-0.0112	0.0708
<i>Corvus torquatus</i>	2	0.0035	-5.6490	-0.0199	0.1124
<i>Spodiopsar sericeus</i>	14	0.0246	-3.7031	-0.0913	0.3380
<i>Spodiopsar cineraceus</i>	1	0.0018	-6.3421	-0.0112	0.0708
Total	568	1	-132.3534	-2.4007	6.9792
Richness	29				
SS	6.9792				
SQ	5.7632				
H	2.4007				
S <sup>2</sup> H	0.0022				

Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method) in All Habitats (4 and 18 December 2024)

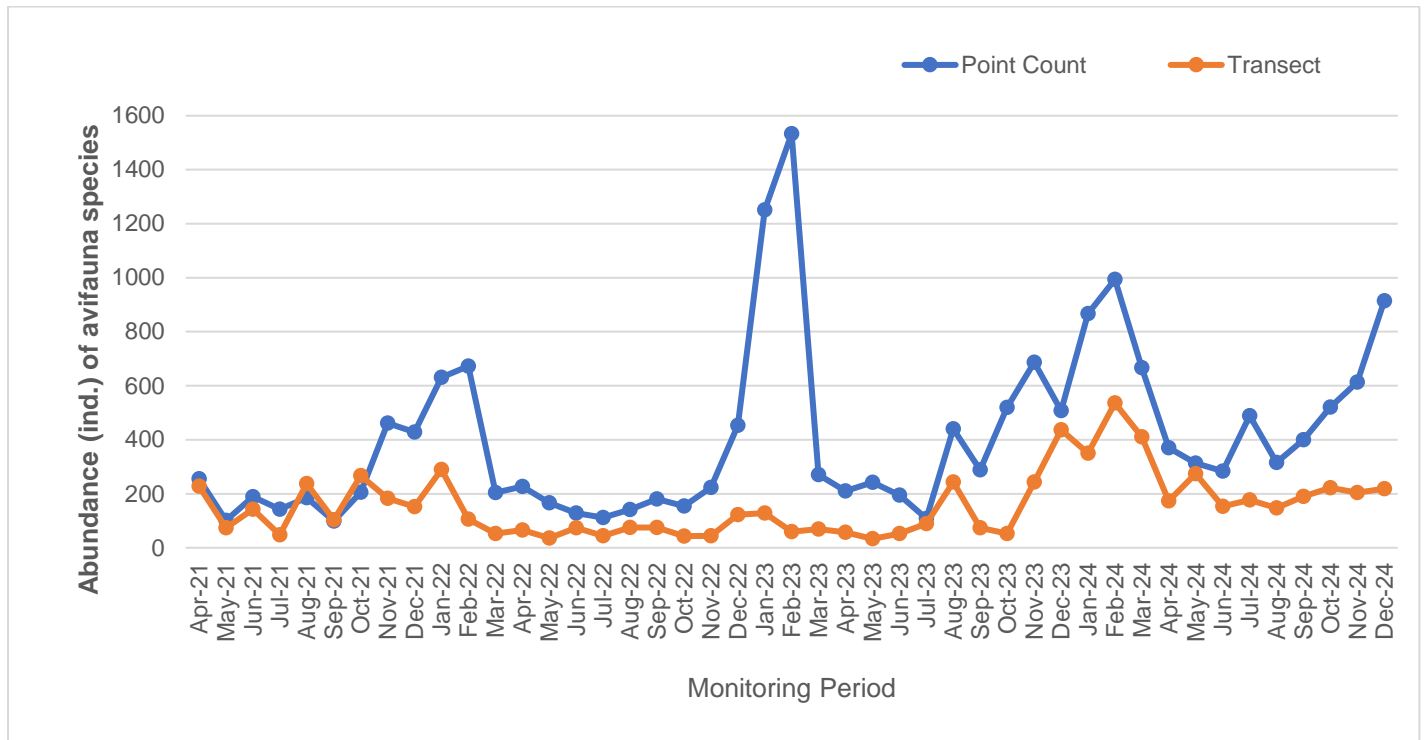
Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Spatula clypeata</i>	23	0.1055	-2.2490	-0.2373	0.5336
<i>Anas crecca</i>	34	0.1560	-1.8581	-0.2898	0.5385
<i>Aythya fuligula</i>	6	0.0275	-3.5927	-0.0989	0.3553
<i>Tachybaptus ruficollis</i>	2	0.0092	-4.6913	-0.0430	0.2019
<i>Platalea minor</i>	2	0.0092	-4.6913	-0.0430	0.2019
<i>Nycticorax nycticorax</i>	1	0.0046	-5.3845	-0.0247	0.1330
<i>Ardeola bacchus</i>	13	0.0596	-2.8195	-0.1681	0.4741
<i>Ardea cinerea</i>	2	0.0092	-4.6913	-0.0430	0.2019
<i>Ardea alba</i>	2	0.0092	-4.6913	-0.0430	0.2019
<i>Phalacrocorax carbo</i>	7	0.0321	-3.4386	-0.1104	0.3797
<i>Amaurornis phoenicurus</i>	2	0.0092	-4.6913	-0.0430	0.2019
<i>Gallinula chloropus</i>	1	0.0046	-5.3845	-0.0247	0.1330
<i>Himantopus himantopus</i>	33	0.1514	-1.8880	-0.2858	0.5396
<i>Recurvirostra avosetta</i>	3	0.0138	-4.2859	-0.0590	0.2528
<i>Actitis hypoleucos</i>	2	0.0092	-4.6913	-0.0430	0.2019
<i>Tringa totanus</i>	5	0.0229	-3.7751	-0.0866	0.3269
<i>Tringa nebularia</i>	2	0.0092	-4.6913	-0.0430	0.2019
<i>Spilopelia chinensis</i>	8	0.0367	-3.3051	-0.1213	0.4009
<i>Halcyon smyrnensis</i>	1	0.0046	-5.3845	-0.0247	0.1330
<i>Cyanopica cyanus</i>	5	0.0229	-3.7751	-0.0866	0.3269
<i>Pycnonotus jocosus</i>	16	0.0734	-2.6119	-0.1917	0.5007
<i>Pycnonotus sinensis</i>	3	0.0138	-4.2859	-0.0590	0.2528
<i>Phylloscopus inornatus</i>	3	0.0138	-4.2859	-0.0590	0.2528
<i>Phylloscopus fuscatus</i>	5	0.0229	-3.7751	-0.0866	0.3269
<i>Prinia flaviventris</i>	2	0.0092	-4.6913	-0.0430	0.2019
<i>Prinia inornata</i>	3	0.0138	-4.2859	-0.0590	0.2528
<i>Orthotomus sutorius</i>	3	0.0138	-4.2859	-0.0590	0.2528
<i>Pterorhinus perspicillatus</i>	4	0.0183	-3.9982	-0.0734	0.2933
<i>Zosterops simplex</i>	3	0.0138	-4.2859	-0.0590	0.2528
<i>Acridotheres cristatellus</i>	5	0.0229	-3.7751	-0.0866	0.3269
<i>Gracupica nigricollis</i>	10	0.0459	-3.0819	-0.1414	0.4357
<i>Copsychus saularis</i>	1	0.0046	-5.3845	-0.0247	0.1330
<i>Phoenicurus aureus</i>	1	0.0046	-5.3845	-0.0247	0.1330
<i>Saxicola stejnegeri</i>	1	0.0046	-5.3845	-0.0247	0.1330
<i>Lonchura punctulata</i>	2	0.0092	-4.6913	-0.0430	0.2019
<i>Motacilla alba</i>	2	0.0092	-4.6913	-0.0430	0.2019
Total	218	1	-148.8790	-2.9968	10.0925
Richness	36				
SS	10.0925				
SQ	8.9811				
H	2.9968				
S <sup>2</sup> H	0.0055				



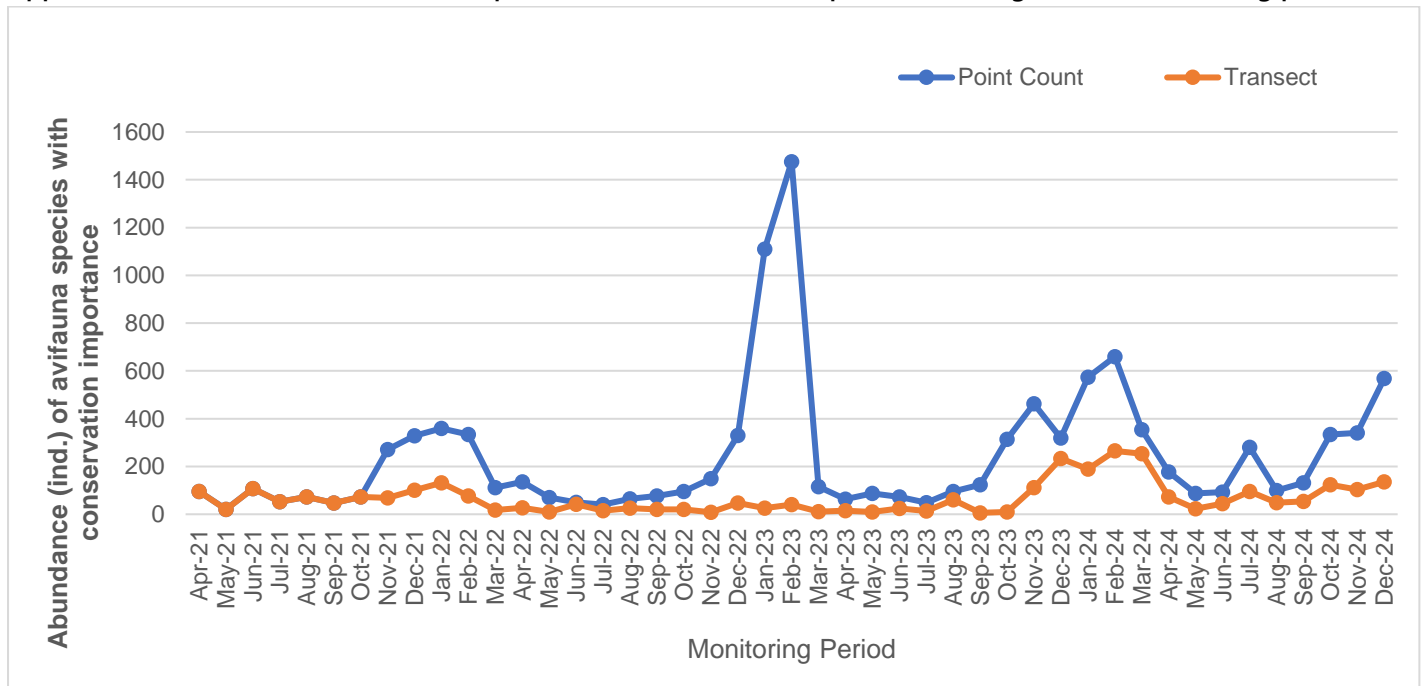
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (4 and 18 December 2024)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
<i>Spatula clypeata</i>	23	0.1691	-1.7772	-0.3005	0.5341
<i>Anas crecca</i>	34	0.2500	-1.3863	-0.3466	0.4805
<i>Aythya fuligula</i>	6	0.0441	-3.1209	-0.1377	0.4297
<i>Tachybaptus ruficollis</i>	2	0.0147	-4.2195	-0.0621	0.2618
<i>Platalea minor</i>	2	0.0147	-4.2195	-0.0621	0.2618
<i>Nycticorax nycticorax</i>	1	0.0074	-4.9127	-0.0361	0.1775
<i>Ardeola bacchus</i>	13	0.0956	-2.3477	-0.2244	0.5269
<i>Ardea cinerea</i>	2	0.0147	-4.2195	-0.0621	0.2618
<i>Ardea alba</i>	2	0.0147	-4.2195	-0.0621	0.2618
<i>Phalacrocorax carbo</i>	7	0.0515	-2.9667	-0.1527	0.4530
<i>Himantopus himantopus</i>	33	0.2426	-1.4161	-0.3436	0.4866
<i>Recurvirostra avosetta</i>	3	0.0221	-3.8140	-0.0841	0.3209
<i>Tringa totanus</i>	5	0.0368	-3.3032	-0.1214	0.4011
<i>Tringa nebularia</i>	2	0.0147	-4.2195	-0.0621	0.2618
<i>Halcyon smyrnensis</i>	1	0.0074	-4.9127	-0.0361	0.1775
Total	136	1	-51.0551	-2.0936	5.2969
Richness	15				
SS	5.2969				
SQ	4.3833				
H	2.0936				
S <sup>2</sup> H	0.0071				

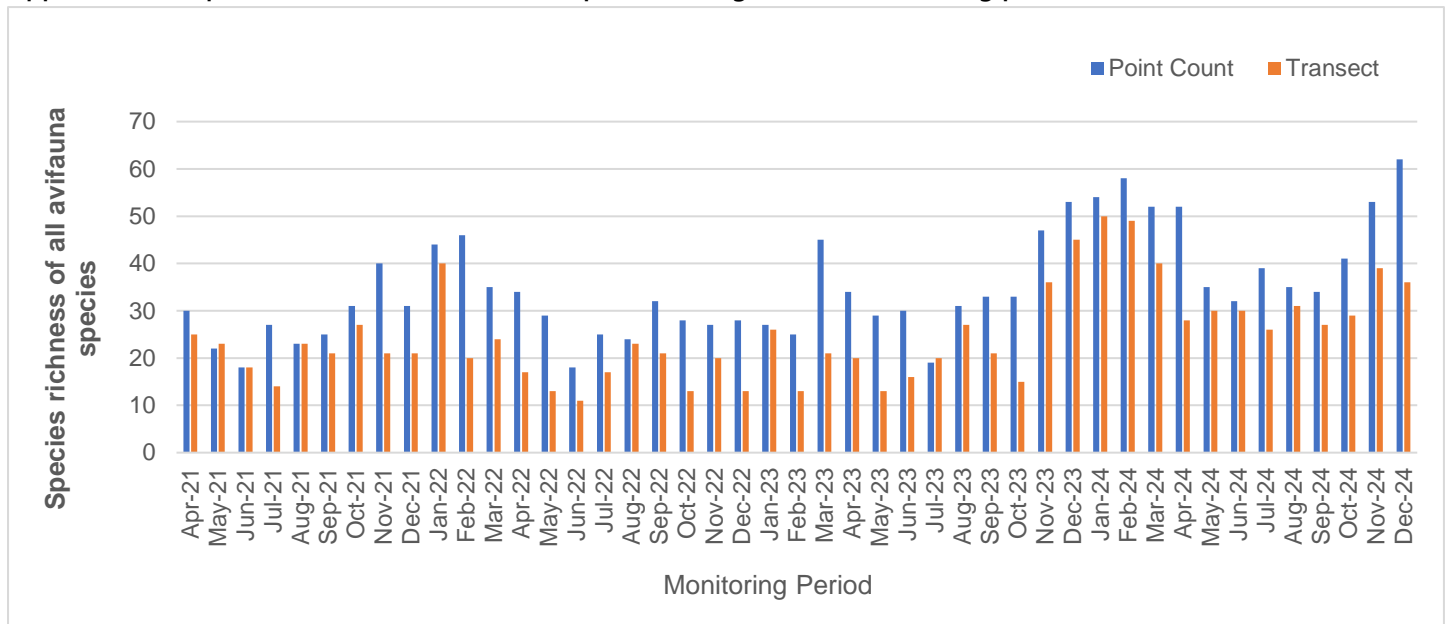
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



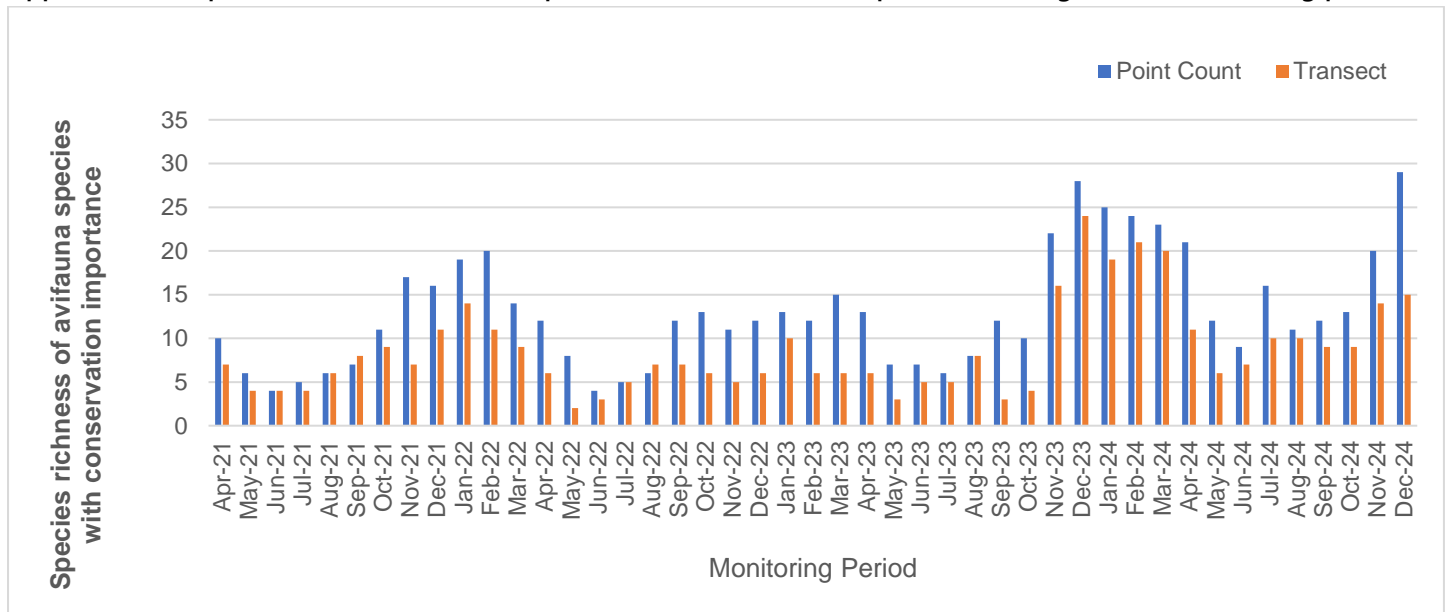
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



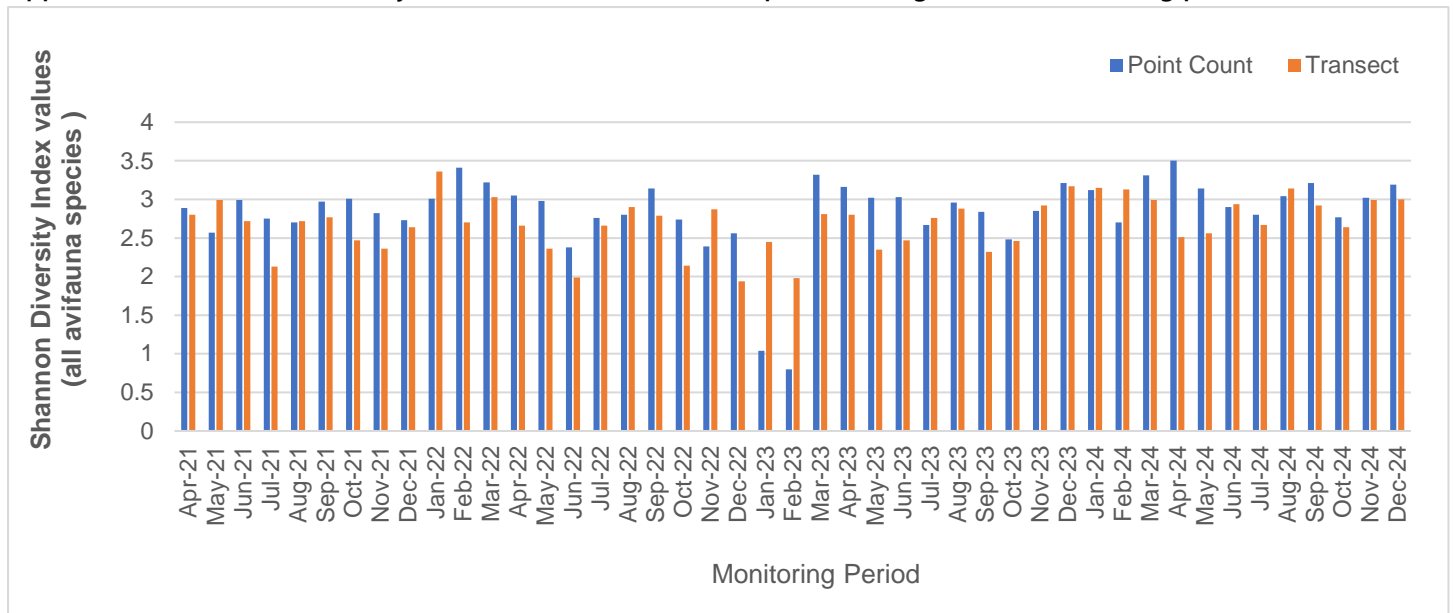
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



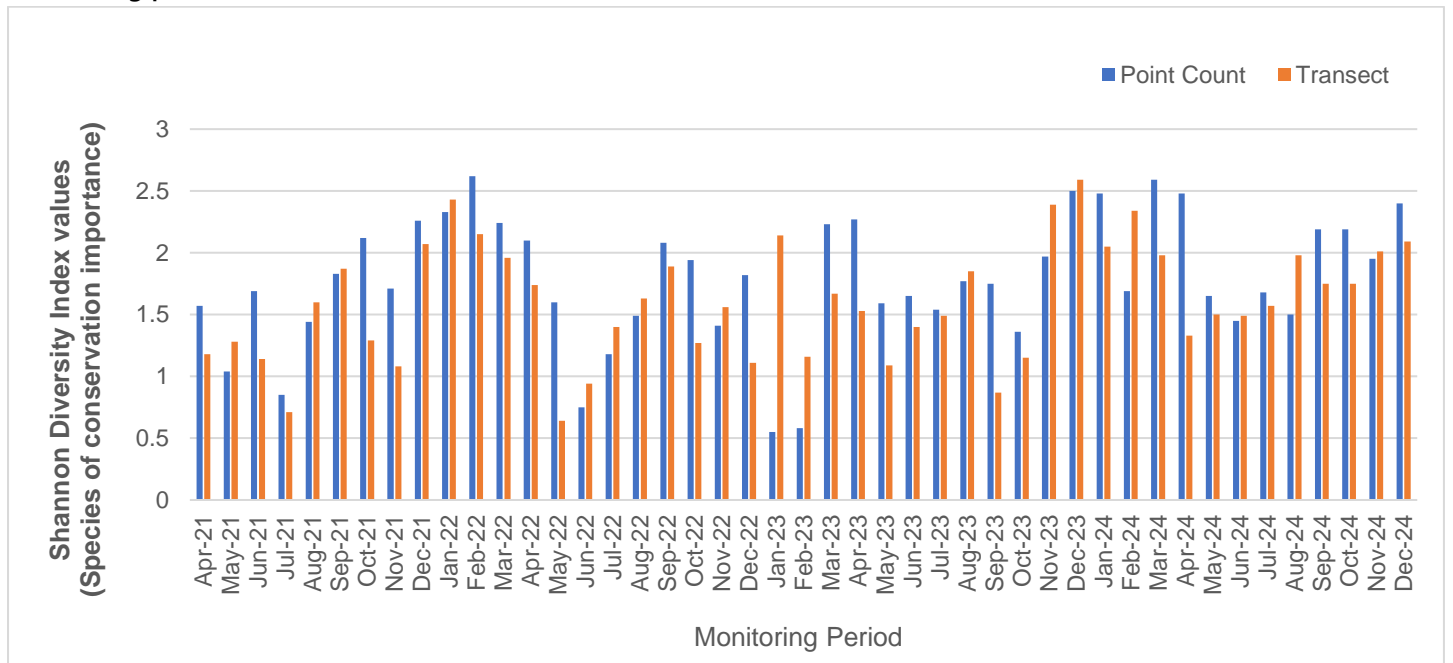
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



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	December 2016	December 2024
Total	530	914
Richness	35	62
H	2.4583	3.1949
S <sup>2</sup> H	0.0034	0.0016
t	10.4193	
df	1015.4116	
Crit	1.9623	
p	3.20E-24	
CI	0.1166	0.80

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

Months	December 2016	December 2024
Total	85	218
Richness	22	36
H	2.6712	2.9968
S <sup>2</sup> H	0.0105	0.0055
t	2.5765	
df	177.6773	
Crit	1.9735	
p	1.08E-02	
CI	0.2050	0.1479

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

Months	December 2016	December 2024
Total	462	568
Richness	18	29
H	2.0399	2.4007
S <sup>2</sup> H	0.0028	0.0022
t	5.1103	
df	979.2385	
Crit	1.9624	
p	3.87E-07	
CI	0.1058	0.0935

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

Months	December 2016	December 2024
Total	16	136
Richness	5	15
H	1.3917	2.0936
S <sup>2</sup> H	0.0286	0.0071
t	3.7150	
df	24.7455	
Crit	2.0639	
p	1.08E-03	
CI	0.3382	0.1685