
Air Quality Monitoring Results

Air Quality Monitoring Results for

Contract No. SPW 07/2020

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 (ug/m^3)	Limit Level (ug/m^3)
			1st Measurement	2nd Measurement	3rd Measurement		
5-Feb-22	Cloudy	8:39	60	77	81	291	500
11-Feb-22	Fine	8:31	67	70	81		
17-Feb-22	Cloudy	8:35	88	95	77		
23-Feb-22	Fine	8:27	63	70	70		
		Min	60				
		Max	95				
		Average	75				

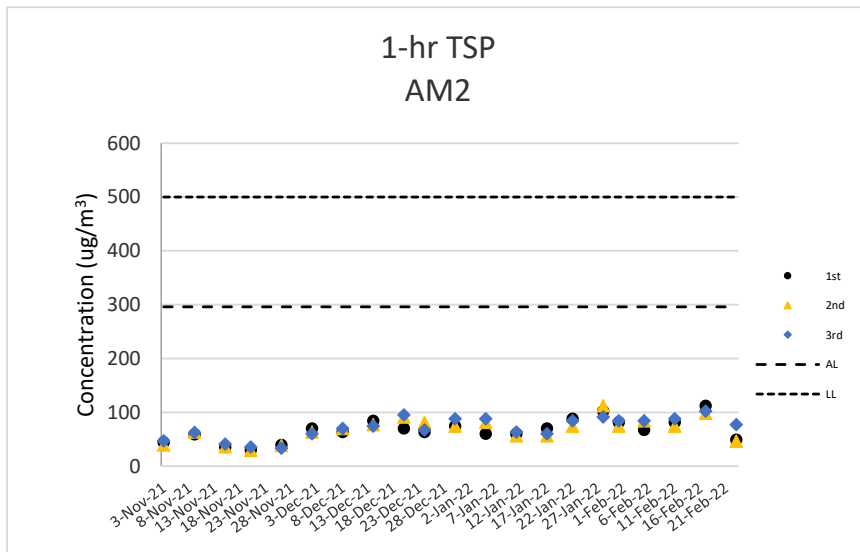
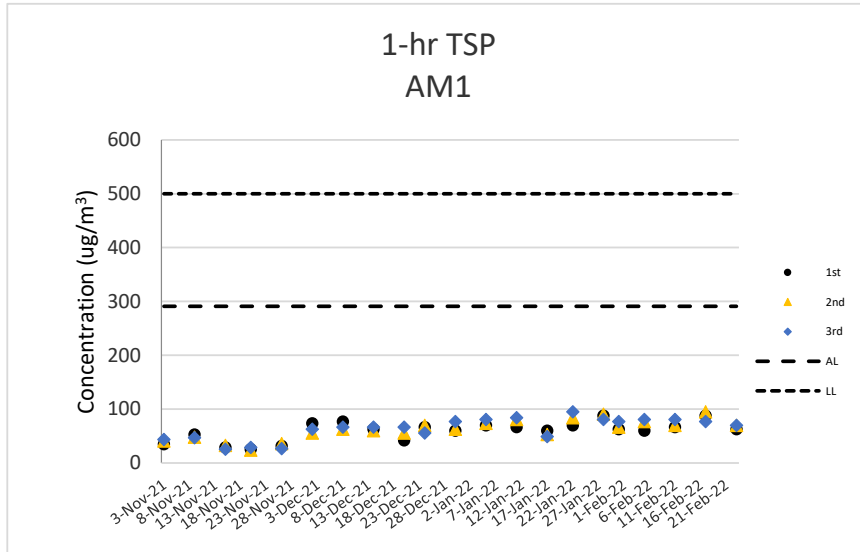
AM2 - Squatter house at the west of Yuen Long STW

Date	Weather Condition	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Action Level (ug/m^3)	Limit Level (ug/m^3)
			1st Measurement	2nd Measurement	3rd Measurement		
5-Feb-22	Cloudy	8:49	67	84	84	296	500
11-Feb-22	Fine	8:44	81	74	88		
17-Feb-22	Cloudy	8:49	112	98	102		
23-Feb-22	Fine	9:10	49	46	77		
		Min	46				
		Max	112				
		Average	80				

Note:

Underline: Exceedance of Action Level

Underline and Bold: Exceedance of Limit Level



Air Quality Monitoring Results

Noise Monitoring Results

**Noise Monitoring Results for
Contract No. SPW 07/2020
Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1**

CM1 - Squatter house to the north of YLSTW

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
11-Feb-22	10:06	55	57	54	0.2	Fine	75
17-Feb-22	11:28	54	56	51	0.2	Cloudy	75
23-Feb-22	10:49	53	58	48	0.4	Fine	75
	Max	55					
	Min	53					

CM2 - Squatter house to the west of YLSTW

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
11-Feb-22	8:50	63	67	56	0.4	Fine	75
17-Feb-22	8:56	62	65	56	0.4	Cloudy	75
23-Feb-22	9:27	64	66	61	0.8	Fine	75
	Max	64					
	Min	62					

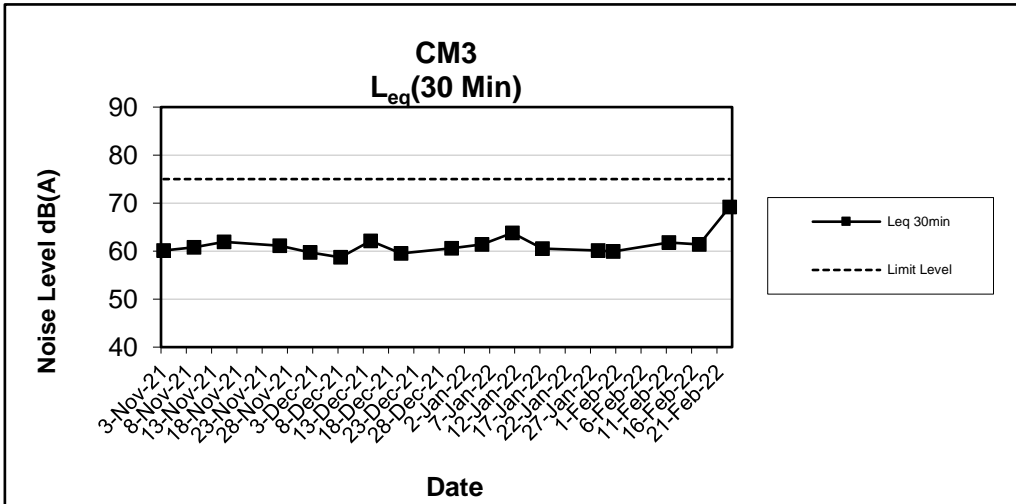
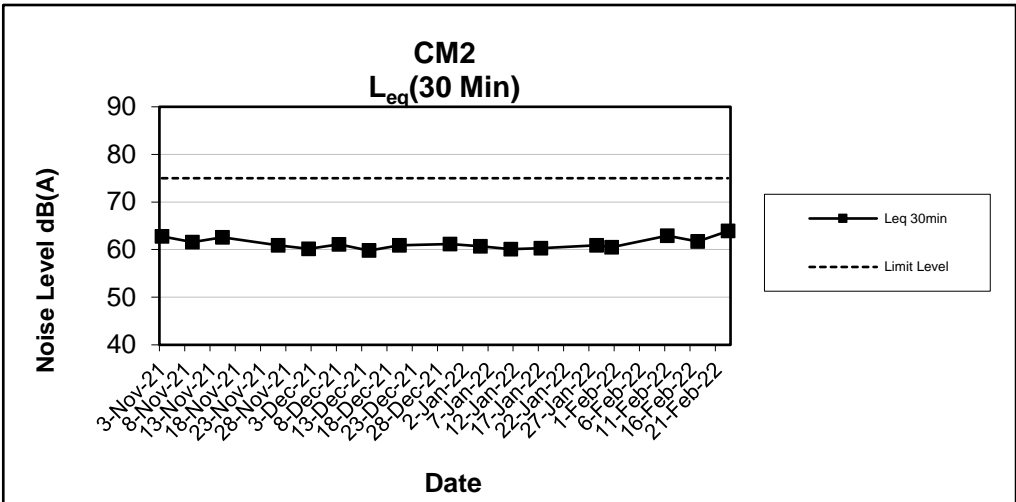
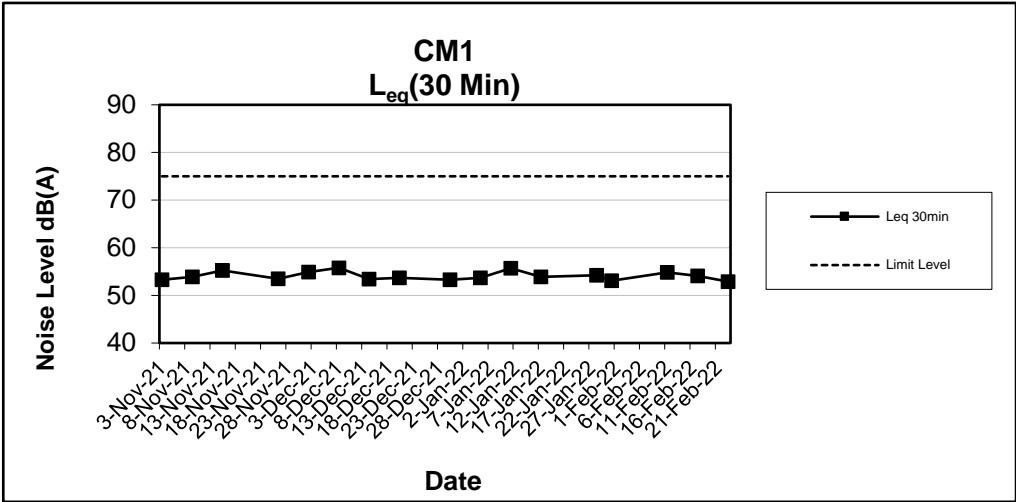
CM3 - Squatter house to the east of YLSTW

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
11-Feb-22	11:23	62	66	55	0.3	Fine	75
17-Feb-22	13:01	61	65	55	0.4	Cloudy	75
23-Feb-22	10:09	69	73	66	0.4	Fine	75
	Max	69					
	Min	61					

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

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	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	5/2/2022	Mid-Flood	Cloudy	Smooth	11:33	1.1	M	0.55	1	0.099	221	7.14	7.14	8.90	8.90	15.65	15.66	47.4	47.3	4.46	4.45	31.7	31.7	37	36
M1	5/2/2022	Mid-Flood	Cloudy	Smooth	11:33	1.1	M	0.55	2			7.14		8.89		15.66		47.2		4.44		31.8		35	
M2	5/2/2022	Mid-Flood	Cloudy	Smooth	11:49	1.3	M	0.65	1	128	222	7.46	7.46	8.50	8.50	15.52	15.52	49.5	49.4	4.69	4.68	27.2	27.2	36	37
M2	5/2/2022	Mid-Flood	Cloudy	Smooth	11:49	1.3	M	0.65	2			7.45		8.49		15.52		49.3		4.67		27.2		38	
M3	5/2/2022	Mid-Flood	Cloudy	Smooth	11:18	0.2	M	0.1	1	0.209	80	7.05	7.06	8.67	8.68	15.76	15.78	49.5	50.1	4.66	4.72	24.5	23.9	35	34
M3	5/2/2022	Mid-Flood	Cloudy	Smooth	11:18	0.2	M	0.1	2			7.07		8.68		15.79		50.7		4.77		23.2		33	
M1	5/2/2022	Mid-Ebb	Cloudy	Smooth	17:21	0.9	M	0.45	1	0.103	195	7.48	7.48	9.30	9.30	17.02	17.02	48.6	48.5	4.59	4.58	28.4	28.4	45	44
M1	5/2/2022	Mid-Ebb	Cloudy	Smooth	17:21	0.9	M	0.45	2			7.48		9.30		17.03		48.4		4.57		28.5		43	
M2	5/2/2022	Mid-Ebb	Cloudy	Smooth	17:06	1	M	0.5	1	0.122	111	7.40	7.40	8.52	8.52	16.82	16.83	47.3	47.2	4.45	4.45	25.7	25.7	35	36
M2	5/2/2022	Mid-Ebb	Cloudy	Smooth	17:06	1	M	0.5	2			7.39		8.51		16.83		47.1		4.44		25.7		36	
M3	5/2/2022	Mid-Ebb	Cloudy	Smooth	17:05	0.6	M	0.3	1	0.193	257	7.26	7.25	9.18	9.19	17.96	17.97	44.4	44.7	4.15	4.17	27.7	27.4	31	30
M3	5/2/2022	Mid-Ebb	Cloudy	Smooth	17:05	0.6	M	0.3	2			7.24		9.19		17.98		44.9		4.19		27.2		29	

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	74.3	78.0	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 07/2020 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

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	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	7/2/2022	Mid-Flood	Cloudy	Smooth	12:09	2.2	M	1.1	1	0.251	348	7.38	7.38	8.05	8.05	18.24	18.25	40.8	41.1	3.68	3.71	26.2	26.8	38	37
M1	7/2/2022	Mid-Flood	Cloudy	Smooth	12:09	2.2	M	1.1	2			7.37		8.04		18.25		41.3		3.73		27.5		35	
M2	7/2/2022	Mid-Flood	Cloudy	Smooth	11:50	1.2	M	0.6	1	0.264	257	7.41	7.42	8.62	8.61	17.72	17.71	44.5	44.3	4.05	4.04	21.8	21.2	31	30
M2	7/2/2022	Mid-Flood	Cloudy	Smooth	11:50	1.2	M	0.6	2			7.43		8.60		17.70		44.1		4.02		20.7		28	
M3	7/2/2022	Mid-Flood	Cloudy	Smooth	11:54	1.1	M	0.55	1	0.047	244	7.38	7.38	7.28	7.28	20.71	20.71	50.9	50.8	4.64	4.63	19.9	19.9	26	29
M3	7/2/2022	Mid-Flood	Cloudy	Smooth	11:54	1.1	M	0.55	2			7.37		7.28		20.71		50.6		4.62		19.9		31	
M1	7/2/2022	Mid-Ebb	Cloudy	Smooth	5:32	2.2	M	1.1	1	0.239	285	7.24	7.25	7.73	7.72	16.30	16.30	56.8	56.5	5.19	5.16	15.0	15.1	10	11
M1	7/2/2022	Mid-Ebb	Cloudy	Smooth	5:32	2.2	M	1.1	2			7.25		7.71		16.30		56.1		5.12		15.2		11	
M2	7/2/2022	Mid-Ebb	Cloudy	Smooth	5:48	1.2	M	0.6	1	0.228	217	7.34	7.33	7.40	7.40	16.67	16.66	52.9	52.6	4.89	4.86	17.4	17.6	21	22
M2	7/2/2022	Mid-Ebb	Cloudy	Smooth	5:48	1.2	M	0.6	2			7.32		7.39		16.65		52.2		4.83		17.7		22	
M3	7/2/2022	Mid-Ebb	Cloudy	Smooth	5:29	0.9	M	0.45	1	0.046	93	7.28	7.29	7.06	7.06	19.05	19.06	43.6	43.5	4.05	4.04	24.2	24.2	21	22
M3	7/2/2022	Mid-Ebb	Cloudy	Smooth	5:29	0.9	M	0.45	2			7.29		7.06		19.06		43.3		4.03		24.2		23	

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	74.3	78.0	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

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	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	9/2/2022	Mid-Flood	Cloudy	Smooth	13:09	1	M	0.5	1	0.114	222	7.53	7.53	5.52	5.52	16.12	16.13	50.5	50.4	4.81	4.80	20.3	20.3	21	22
M1	9/2/2022	Mid-Flood	Cloudy	Smooth	13:09	1	M	0.5	2			7.53	7.53	5.52	5.52	16.13	16.13	50.2	50.4	4.79	4.80	20.3	20.3	22	22
M2	9/2/2022	Mid-Flood	Cloudy	Smooth	12:50	1.2	M	0.6	1	0.131	241	7.44	7.44	5.47	5.47	16.61	16.61	58.2	58.1	5.60	5.59	19.2	19.2	29	28
M2	9/2/2022	Mid-Flood	Cloudy	Smooth	12:50	1.2	M	0.6	2			7.44	7.44	5.47	5.47	16.61	16.61	58.0	58.1	5.58	5.59	19.3	19.2	27	28
M3	9/2/2022	Mid-Flood	Cloudy	Calm	12:43	0.4	M	0.2	1	0.22	90	7.26	7.27	6.49	6.48	18.03	18.04	45.8	45.6	4.29	4.27	16.1	16.0	15	16
M3	9/2/2022	Mid-Flood	Cloudy	Calm	12:43	0.4	M	0.2	2			7.28	7.27	6.47	6.48	18.04	18.04	45.3	45.6	4.24	4.27	15.8	16.0	16	16
M1	9/2/2022	Mid-Ebb	Cloudy	Smooth	6:34	0.8	M	0.4	1	0.119	111	7.17	7.17	5.73	5.73	16.11	16.12	44.8	44.7	4.31	4.30	16.0	16.0	16	15
M1	9/2/2022	Mid-Ebb	Cloudy	Smooth	6:34	0.8	M	0.4	2			7.17	7.17	5.73	5.73	16.12	16.12	44.5	44.7	4.29	4.30	16.0	16.0	13	15
M2	9/2/2022	Mid-Ebb	Cloudy	Smooth	6:49	1	M	0.5	1	0.12	199	7.46	7.46	5.42	5.42	15.68	15.68	56.5	56.4	5.46	5.45	19.6	19.6	22	24
M2	9/2/2022	Mid-Ebb	Cloudy	Smooth	6:49	1	M	0.5	2			7.46	7.46	5.42	5.42	15.68	15.68	56.2	56.4	5.43	5.45	19.7	19.6	25	24
M3	9/2/2022	Mid-Ebb	Cloudy	Calm	6:36	0.2	M	0.1	1	0.19	272	7.08	7.08	5.09	5.10	15.17	15.18	38.0	38.5	3.57	3.61	19.4	19.3	12	12
M3	9/2/2022	Mid-Ebb	Cloudy	Calm	6:36	0.2	M	0.1	2			7.08	7.08	5.10	5.10	15.18	15.18	38.9	38.5	3.64	3.61	19.2	19.3	12	12

Remark

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

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74.3	78.0	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

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	12/2/2022	Mid-Flood	Cloudy	Smooth	16:09	0.9	M	0.45	1	0.137	237	7.49	7.49	13.40	13.40	21.53	21.54	42.0	41.9	3.56	3.55	16.6	16.6	15	15
M1	12/2/2022	Mid-Flood	Cloudy	Smooth	16:09	0.9	M	0.45	2			7.49	7.49	13.40	13.40	21.54	21.54	41.7	41.9	3.53	3.55	16.7	16.6	14	15
M2	12/2/2022	Mid-Flood	Cloudy	Smooth	15:48	1.1	M	0.55	1	0.126	228	7.42	7.42	10.60	10.60	21.19	21.19	45.9	45.8	3.90	3.89	13.3	13.3	18	18
M2	12/2/2022	Mid-Flood	Cloudy	Smooth	15:48	1.1	M	0.55	2			7.42	7.42	10.60	10.60	21.19	21.19	45.6	45.8	3.88	3.89	13.3	13.3	17	18
M3	12/2/2022	Mid-Flood	Fine	Calm	15:52	0.6	M	0.3	1	0.214	79	7.18	7.18	10.76	10.75	22.89	22.89	51.0	51.3	4.36	4.37	13.5	13.0	16	16
M3	12/2/2022	Mid-Flood	Fine	Calm	15:52	0.6	M	0.3	2			7.17	7.18	10.74	10.75	22.88	22.89	51.6	51.3	4.37	4.37	12.5	13.0	15	16
M1	12/2/2022	Mid-Ebb	Cloudy	Smooth	11:46	0.7	M	0.35	1	0.1	107	7.24	7.24	11.83	11.83	19.61	19.62	40.2	40.1	3.43	3.42	11.6	11.6	14	14
M1	12/2/2022	Mid-Ebb	Cloudy	Smooth	11:46	0.7	M	0.35	2			7.24	7.24	11.83	11.83	19.63	19.62	40.0	40.1	3.41	3.42	11.6	11.6	13	14
M2	12/2/2022	Mid-Ebb	Cloudy	Smooth	12:03	0.9	M	0.45	1	0.125	209	7.45	7.45	10.57	10.57	20.07	20.07	51.4	51.2	4.39	4.38	12.0	12.0	16	16
M2	12/2/2022	Mid-Ebb	Cloudy	Smooth	12:03	0.9	M	0.45	2			7.45	7.45	10.57	10.57	20.07	20.07	51.0	51.2	4.36	4.38	12.1	12.0	15	16
M3	12/2/2022	Mid-Ebb	Fine	Calm	11:33	0.2	M	0.1	1	0.171	257	7.27	7.28	6.25	6.25	20.04	20.05	46.7	46.6	4.26	4.25	16.5	16.7	13	12
M3	12/2/2022	Mid-Ebb	Fine	Calm	11:33	0.2	M	0.1	2			7.29	7.28	6.24	6.25	20.06	20.05	46.4	46.6	4.23	4.25	16.9	16.7	11	12

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	74.3	78.0	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

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	15/2/2022	Mid-Flood	Fine	Smooth	8:33	2	M	1	1	0.242	319.7	7.27	7.27	12.26	12.27	16.92	16.93	61.9	61.6	5.35	5.32	23.2	23.0	30	31
M1	15/2/2022	Mid-Flood	Fine	Smooth	8:33	2	M	1	2			7.27	7.27	12.27	12.27	16.93	16.93	61.2	61.2	5.29	5.32	22.8	23.0	32	31
M2	15/2/2022	Mid-Flood	Fine	Smooth	8:51	1	M	0.5	1	0.26	286	7.36	7.35	12.01	12.02	17.24	17.25	58.7	58.5	5.09	5.07	29.0	28.9	46	48
M2	15/2/2022	Mid-Flood	Fine	Smooth	8:51	1	M	0.5	2			7.34	7.35	12.03	12.02	17.26	17.25	58.3	58.5	5.05	5.07	28.8	28.9	50	48
M3	15/2/2022	Mid-Flood	Cloudy	Smooth	8:26	1.3	M	0.65	1	0.04	94	7.49	7.49	12.32	12.32	18.23	18.23	69.5	69.4	6.04	6.03	28.5	28.5	54	54
M3	15/2/2022	Mid-Flood	Cloudy	Smooth	8:26	1.3	M	0.65	2			7.49	7.49	12.32	12.32	18.23	18.23	69.2	69.4	6.02	6.03	28.5	28.5	53	54
M1	15/2/2022	Mid-Ebb	Fine	Smooth	13:33	2.2	M	1.1	1	0.215	237	7.30	7.31	10.57	10.58	21.35	21.36	45.8	45.5	3.97	3.94	20.6	20.6	35	36
M1	15/2/2022	Mid-Ebb	Fine	Smooth	13:33	2.2	M	1.1	2			7.31	7.31	10.58	10.58	21.37	21.36	45.2	45.5	3.91	3.94	20.5	20.6	37	36
M2	15/2/2022	Mid-Ebb	Fine	Smooth	13:15	1.2	M	0.6	1	0.232	253	7.42	7.43	10.25	10.24	21.04	21.04	40.4	40.2	3.49	3.47	18.9	18.8	43	42
M2	15/2/2022	Mid-Ebb	Fine	Smooth	13:15	1.2	M	0.6	2			7.43	7.43	10.23	10.24	21.03	21.04	39.9	40.2	3.45	3.47	18.8	18.8	41	42
M3	15/2/2022	Mid-Ebb	Cloudy	Smooth	13:18	1	M	0.5	1	0.028	237	7.45	7.45	14.68	14.68	18.63	18.63	68.1	67.9	5.93	5.92	35.4	35.5	52	52
M3	15/2/2022	Mid-Ebb	Cloudy	Smooth	13:18	1	M	0.5	2			7.45	7.45	14.68	14.68	18.63	18.63	67.7	67.9	5.91	5.92	35.5	35.5	52	52

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	74.3	78.0	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

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	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	17/2/2022	Mid-Flood	Cloudy	Smooth	9:28	2	M	1	1	0.256	333	7.24	7.25	12.47	12.46	18.24	18.24	59.2	58.9	5.14	5.11	21.1	20.7	27	25
M1	17/2/2022	Mid-Flood	Cloudy	Smooth	9:28	2	M	1	2			7.26	7.25	12.45	12.46	18.23	18.24	58.6	58.9	5.08	5.11	20.4	20.7	22	
M2	17/2/2022	Mid-Flood	Cloudy	Smooth	9:43	1	M	0.5	1	0.242	299	7.36	7.36	12.79	12.79	18.59	18.60	52.2	51.5	4.52	4.46	26.7	26.7	33	32
M2	17/2/2022	Mid-Flood	Cloudy	Smooth	9:43	1	M	0.5	2			7.36	7.36	12.78	12.79	18.61	18.60	50.7	51.5	4.39	4.46	26.6	26.7	30	
M3	17/2/2022	Mid-Flood	Cloudy	Smooth	9:45	0.2	M	0.1	1	0.13	77	7.18	7.19	7.60	7.61	18.55	18.55	57.8	57.2	5.17	5.12	31.3	31.4	36	37
M3	17/2/2022	Mid-Flood	Cloudy	Smooth	9:45	0.2	M	0.1	2			7.19	7.19	7.61	7.61	18.54	18.55	56.6	57.2	5.06	5.12	31.5	31.4	38	
M1	17/2/2022	Mid-Ebb	Cloudy	Smooth	14:48	2.2	M	1.1	1	0.205	206	7.39	7.39	10.74	10.75	19.46	19.47	45.5	45.3	3.94	3.93	22.1	22.5	25	26
M1	17/2/2022	Mid-Ebb	Cloudy	Smooth	14:48	2.2	M	1.1	2			7.39	7.39	10.75	10.75	19.47	19.47	45.1	45.3	3.91	3.93	22.9	22.5	26	
M2	17/2/2022	Mid-Ebb	Cloudy	Smooth	14:29	1.2	M	0.6	1	0.222	271	7.43	7.44	10.88	10.89	19.04	19.05	47.9	48.1	4.15	4.17	24.4	24.3	31	32
M2	17/2/2022	Mid-Ebb	Cloudy	Smooth	14:29	1.2	M	0.6	2			7.44	7.44	10.89	10.89	19.06	19.05	48.3	48.1	4.19	4.17	24.1	24.3	32	
M3	17/2/2022	Mid-Ebb	Cloudy	Smooth	14:30	0.6	M	0.3	1	0.184	260	7.20	7.21	8.06	8.07	18.81	18.82	58.1	57.8	5.20	5.17	31.0	31.1	31	33
M3	17/2/2022	Mid-Ebb	Cloudy	Smooth	14:30	0.6	M	0.3	2			7.21	7.21	8.08	8.07	18.83	18.82	57.5	57.8	5.14	5.17	31.1	31.1	34	

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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	74.3	78.0	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 07/2020 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

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	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	19/2/2022	Mid-Flood	Cloudy	Smooth	10:12	1.1	M	0.55	1	0.126	230	7.20	7.20	12.83	12.83	16.87	16.88	60.7	60.5	5.44	5.43	27.2	27.3	38	40
M1	19/2/2022	Mid-Flood	Cloudy	Smooth	10:12	1.1	M	0.55	2			7.20	7.20	12.83	12.83	16.88	16.88	60.3	60.5	5.42	5.43	27.3	27.3	42	
M2	19/2/2022	Mid-Flood	Cloudy	Smooth	10:27	1.2	M	0.6	1	0.115	227	7.43	7.43	12.17	12.17	17.25	17.25	54.8	54.7	4.90	4.89	22.7	22.7	34	35
M2	19/2/2022	Mid-Flood	Cloudy	Smooth	10:27	1.2	M	0.6	2			7.43	7.43	12.17	12.17	17.25	17.25	54.5	54.7	4.88	4.89	22.7	22.7	35	
M3	19/2/2022	Mid-Flood	Fine	Moderate	10:05	1.5	M	0.75	1	0.064	236	6.94	6.97	11.86	11.85	17.64	17.64	54.9	54.8	4.88	4.87	27.6	27.6	31	29
M3	19/2/2022	Mid-Flood	Fine	Moderate	10:05	1.5	M	0.75	2			6.99	6.97	11.84	11.85	17.64	17.64	54.6	54.8	4.85	4.87	27.5	27.6	27	
M1	19/2/2022	Mid-Ebb	Cloudy	Smooth	16:01	0.9	M	0.45	1	0.118	197	7.54	7.54	12.95	12.95	17.54	17.55	63.1	63.0	5.75	5.74	34.2	34.2	56	57
M1	19/2/2022	Mid-Ebb	Cloudy	Smooth	16:01	0.9	M	0.45	2			7.54	7.54	12.95	12.95	17.55	17.55	62.8	63.0	5.73	5.74	34.2	34.2	57	
M2	19/2/2022	Mid-Ebb	Cloudy	Smooth	15:43	1	M	0.5	1	0.097	112	7.44	7.44	12.23	12.23	18.29	18.30	54.3	54.2	4.85	4.85	22.1	22.1	32	33
M2	19/2/2022	Mid-Ebb	Cloudy	Smooth	15:43	1	M	0.5	2			7.44	7.44	12.23	12.23	18.30	18.30	54.1	54.2	4.84	4.85	22.1	22.1	34	
M3	19/2/2022	Mid-Ebb	Fine	Moderate	15:45	1.2	M	0.6	1	0.048	141	6.99	6.98	11.89	11.88	17.81	17.82	51.1	51.2	4.53	4.54	25.8	25.8	37	39
M3	19/2/2022	Mid-Ebb	Fine	Moderate	15:45	1.2	M	0.6	2			6.97	6.97	11.87	11.88	17.82	17.82	51.2	51.2	4.55	4.54	25.7	25.8	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	74.3	78.0	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

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	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	22/2/2022	Mid-Flood	Cloudy	Moderate	11:13	1.2	M	0.6	1	0.136	208	7.67	7.67	0.69	0.69	12.03	12.03	72.6	72.5	7.78	7.77	24.0	24.0	23	24
M1	22/2/2022	Mid-Flood	Cloudy	Moderate	11:13	1.2	M	0.6	2			7.67		0.69		12.03		72.4		7.76		24.0		24	
M2	22/2/2022	Mid-Flood	Cloudy	Moderate	11:29	1.1	M	0.55	1	0.157	212	7.63	7.63	0.65	0.65	12.40	12.39	71.2	71.1	7.57	7.56	25.8	25.8	21	21
M2	22/2/2022	Mid-Flood	Cloudy	Moderate	11:29	1.1	M	0.55	2			7.63		0.65		12.39		71.0		7.55		25.8		20	
M3	22/2/2022	Mid-Flood	Fine	Moderate	11:20	1.1	M	0.55	1	0.068	143	7.71	7.73	0.66	0.65	12.01	12.02	79.7	79.8	8.55	8.56	28.8	28.8	14	15
M3	22/2/2022	Mid-Flood	Fine	Moderate	11:20	1.1	M	0.55	2			7.74		0.64		12.03		79.8		8.57		28.8		15	
M1	22/2/2022	Mid-Ebb	Cloudy	Moderate	17:48	1	M	0.5	1	0.115	208	7.63	7.63	1.01	1.01	13.97	13.98	75.4	75.3	7.96	7.95	28.3	28.3	29	28
M1	22/2/2022	Mid-Ebb	Cloudy	Moderate	17:48	1	M	0.5	2			7.63		1.01		13.98		75.2		7.94		28.3		27	
M2	22/2/2022	Mid-Ebb	Cloudy	Moderate	17:30	0.9	M	0.45	1	0.112	119	7.69	7.69	0.81	0.81	13.26	13.27	69.0	68.9	7.37	7.36	22.7	22.8	14	14
M2	22/2/2022	Mid-Ebb	Cloudy	Moderate	17:30	0.9	M	0.45	2			7.69		0.81		13.28		68.7		7.35		22.8		13	
M3	22/2/2022	Mid-Ebb	Fine	Moderate	17:35	0.9	M	0.45	1	0.046	74	7.68	7.69	0.67	0.67	12.27	12.28	72.1	72.3	7.69	7.70	22.5	22.5	21	19
M3	22/2/2022	Mid-Ebb	Fine	Moderate	17:35	0.9	M	0.45	2			7.69		0.66		12.28		72.4		7.70		22.5		17	

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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	74.3	78.0	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 07/2020 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

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	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	24/2/2022	Mid-Flood	Fine	Moderate	12:32	1.1	M	0.55	1	0.063	72	7.46	7.46	0.82	0.82	14.62	14.63	55.8	55.5	5.64	5.61	20.9	21.0	30	31
M1	24/2/2022	Mid-Flood	Fine	Moderate	12:32	1.1	M	0.55	2			7.45		0.82		14.63		55.1		5.57		21.1		21.0	
M2	24/2/2022	Mid-Flood	Fine	Moderate	12:48	0.9	M	0.45	1	0.058	56	7.44	7.47	0.77	0.80	14.72	14.72	54.6	54.4	5.52	5.50	21.2	21.3	23	23
M2	24/2/2022	Mid-Flood	Fine	Moderate	12:48	0.9	M	0.45	2			7.49		0.82		14.73		54.2		5.48		21.3		21.3	
M3	24/2/2022	Mid-Flood	Cloudy	Smooth	12:31	1.3	M	0.65	1	0.024	257	7.42	7.42	1.73	1.73	14.74	14.74	56.0	55.9	5.62	5.61	24.2	24.2	19	20
M3	24/2/2022	Mid-Flood	Cloudy	Smooth	12:31	1.3	M	0.65	2			7.42		1.73		14.74		55.8		5.60		24.1		24.2	
M1	24/2/2022	Mid-Ebb	Fine	Moderate	19:52	0.9	M	0.45	1	0.042	134	7.53	7.53	1.09	1.10	14.77	14.70	68.7	68.4	6.59	6.58	23.8	23.8	20	21
M1	24/2/2022	Mid-Ebb	Fine	Moderate	19:52	0.9	M	0.45	2			7.52		1.10		14.64		68.1		6.57		23.7		23.8	
M2	24/2/2022	Mid-Ebb	Fine	Moderate	19:30	0.7	M	0.35	1	0.033	94	7.47	7.47	1.01	1.02	14.65	14.64	64.2	64.5	6.49	6.51	21.9	21.9	23	23
M2	24/2/2022	Mid-Ebb	Fine	Moderate	19:30	0.7	M	0.35	2			7.46		1.03		14.64		64.7		6.52		21.9		21.9	
M3	24/2/2022	Mid-Ebb	Cloudy	Smooth	19:33	0.9	M	0.45	1	0.015	241	7.41	7.42	1.07	1.07	14.63	14.63	60.6	60.9	6.12	6.15	22.5	22.4	17	19
M3	24/2/2022	Mid-Ebb	Cloudy	Smooth	19:33	0.9	M	0.45	2			7.42		1.07		14.62		61.1		6.18		22.4		22.4	

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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	74.3	78.0	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

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	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	26/2/2022	Mid-Flood	Fine	Smooth	15:20	1.3	M	0.65	1	0.132	217	7.74	7.74	5.41	5.41	19.73	19.74	64.8	64.6	5.98	5.97	16.1	16.1	12	13
M1	26/2/2022	Mid-Flood	Fine	Smooth	15:20	1.3	M	0.65	2			7.74		5.41		19.74		64.4		5.95		16.1		13	
M2	26/2/2022	Mid-Flood	Fine	Smooth	15:04	1.2	M	0.6	1	0.155	197	7.49	7.49	4.70	4.70	19.89	19.88	56.9	56.8	5.25	5.24	14.5	14.5	16	16
M2	26/2/2022	Mid-Flood	Fine	Smooth	15:04	1.2	M	0.6	2			7.49		4.70		19.88		56.6		5.23		14.6		16	
M3	26/2/2022	Mid-Flood	Fine	Moderate	15:05	1.2	M	0.6	1	0.117	71	7.14	7.15	1.00	1.01	15.89	15.90	57.9	57.7	5.70	5.69	11.4	11.4	11	11
M3	26/2/2022	Mid-Flood	Fine	Moderate	15:05	1.2	M	0.6	2			7.15		1.01		15.90		57.4		5.68		11.3		10	
M1	26/2/2022	Mid-Ebb	Fine	Smooth	10:57	1	M	0.5	1	0.106	159	7.29	7.29	5.24	5.24	17.58	17.58	59.5	59.4	5.51	5.50	15.9	15.9	16	17
M1	26/2/2022	Mid-Ebb	Fine	Smooth	10:57	1	M	0.5	2			7.29		5.24		17.57		59.3		5.49		15.8		18	
M2	26/2/2022	Mid-Ebb	Fine	Smooth	11:14	0.9	M	0.45	1	0.121	143	7.53	7.53	4.69	4.69	17.91	17.91	60.9	60.7	5.62	5.60	14.1	14.2	16	17
M2	26/2/2022	Mid-Ebb	Fine	Smooth	11:14	0.9	M	0.45	2			7.53		4.69		17.91		60.5		5.58		14.2		17	
M3	26/2/2022	Mid-Ebb	Fine	Moderate	11:08	0.9	M	0.45	1	0.063	104	7.12	7.12	0.99	0.99	15.88	15.88	59.2	59.2	5.82	5.82	11.8	11.8	11	12
M3	26/2/2022	Mid-Ebb	Fine	Moderate	11:08	0.9	M	0.45	2			7.11		0.99		15.88		59.1		5.81		11.8		13	

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.

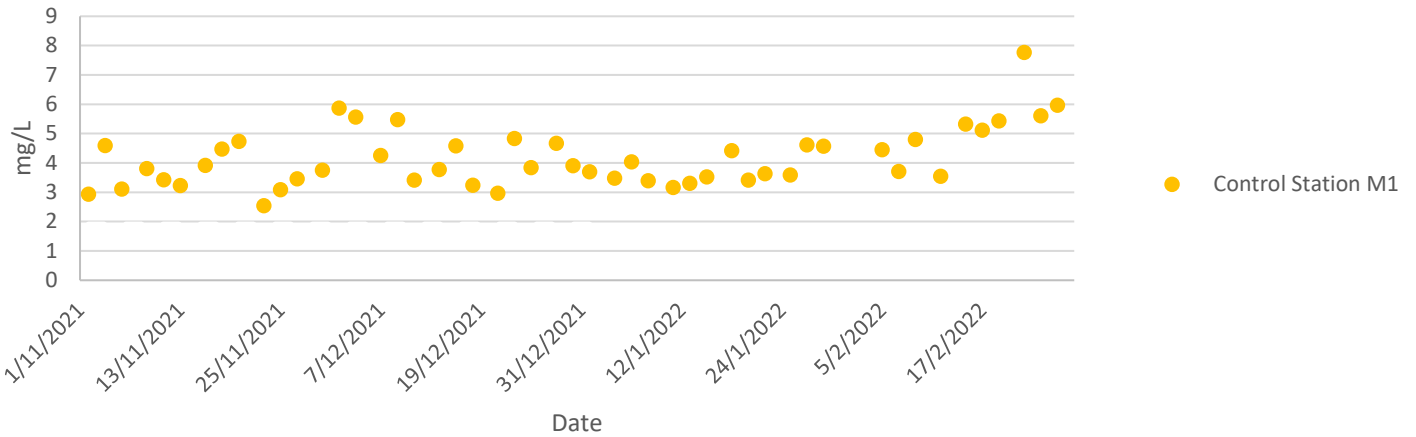
For Flood Tide

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	74.3	78.0	104	167

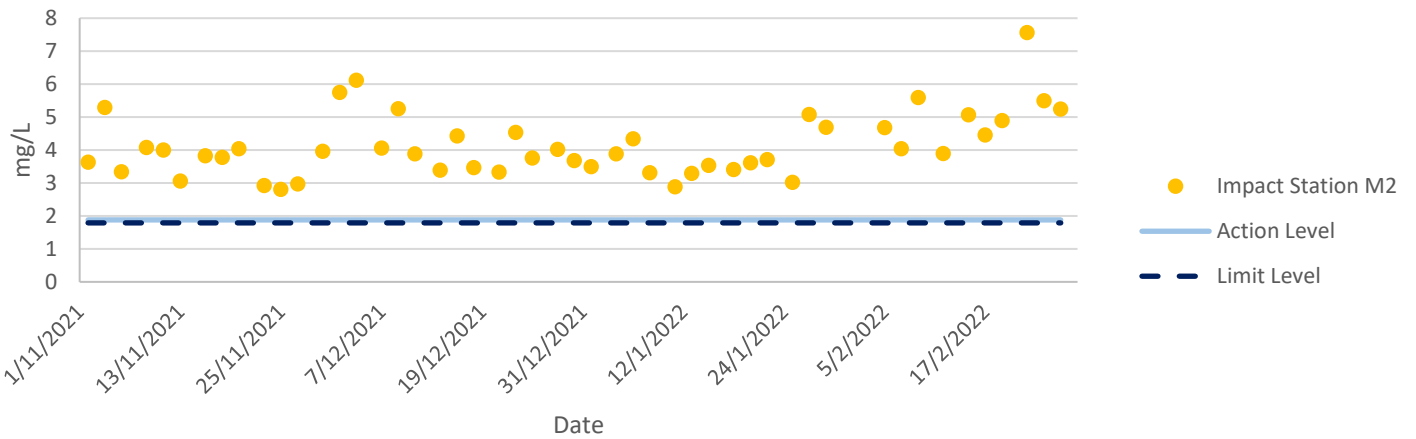
For Ebb Tide

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

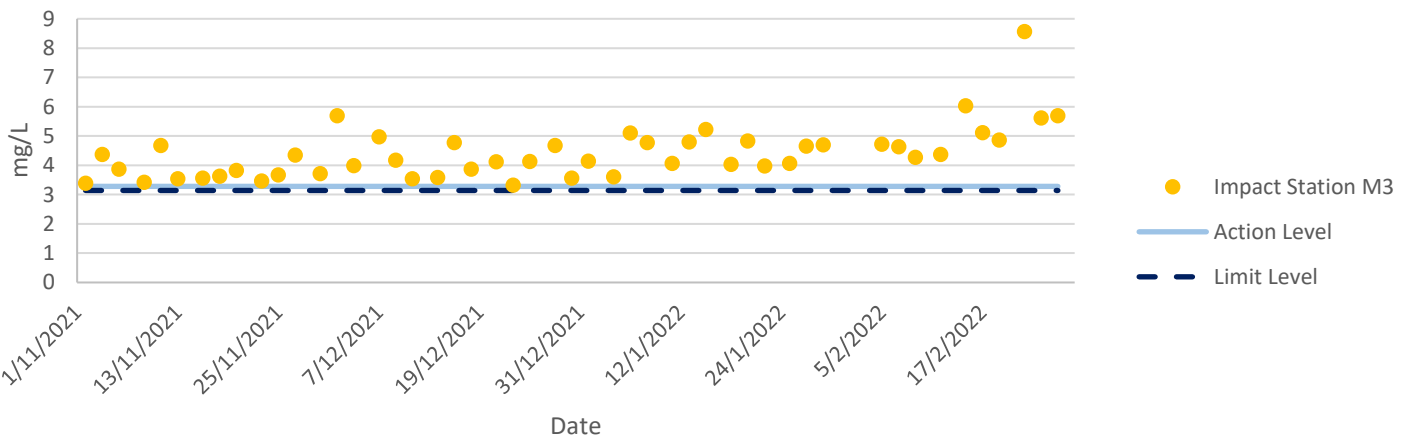
Dissolved Oxygen at Mid-Flood Tide



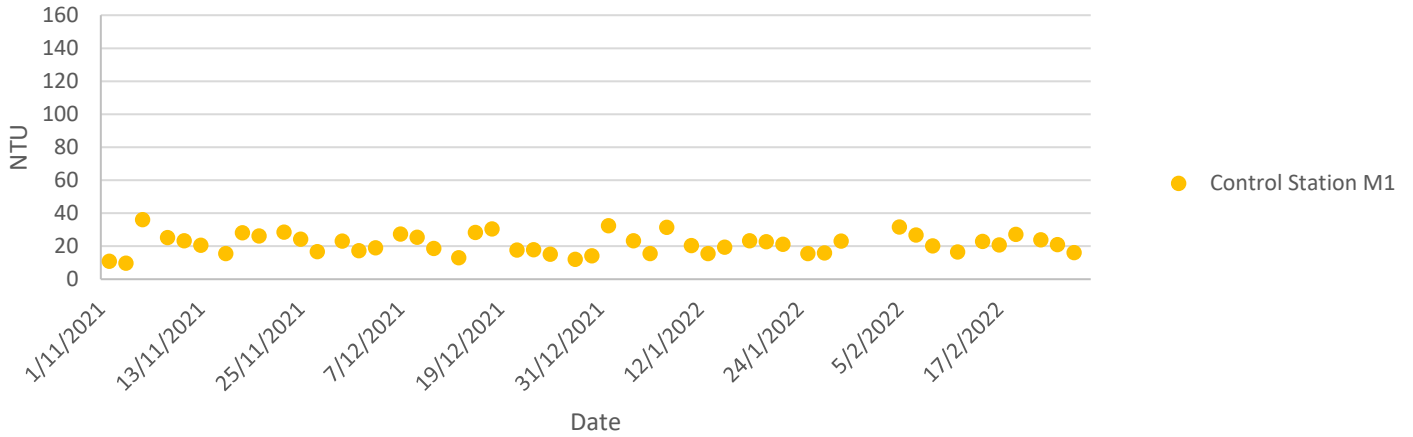
Dissolved Oxygen at Mid-Flood Tide



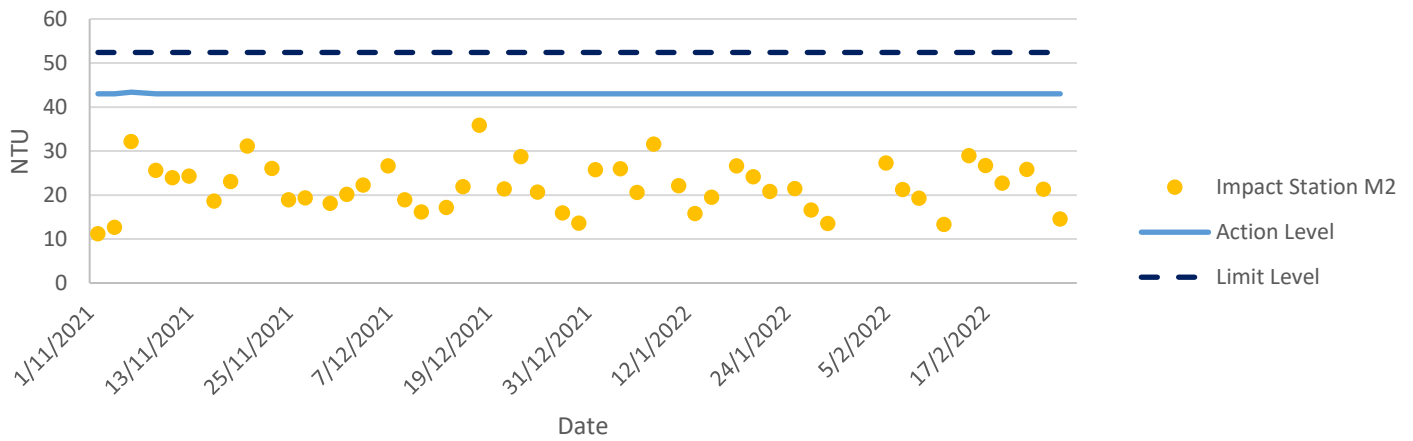
Dissolved Oxygen at Mid-Flood Tide



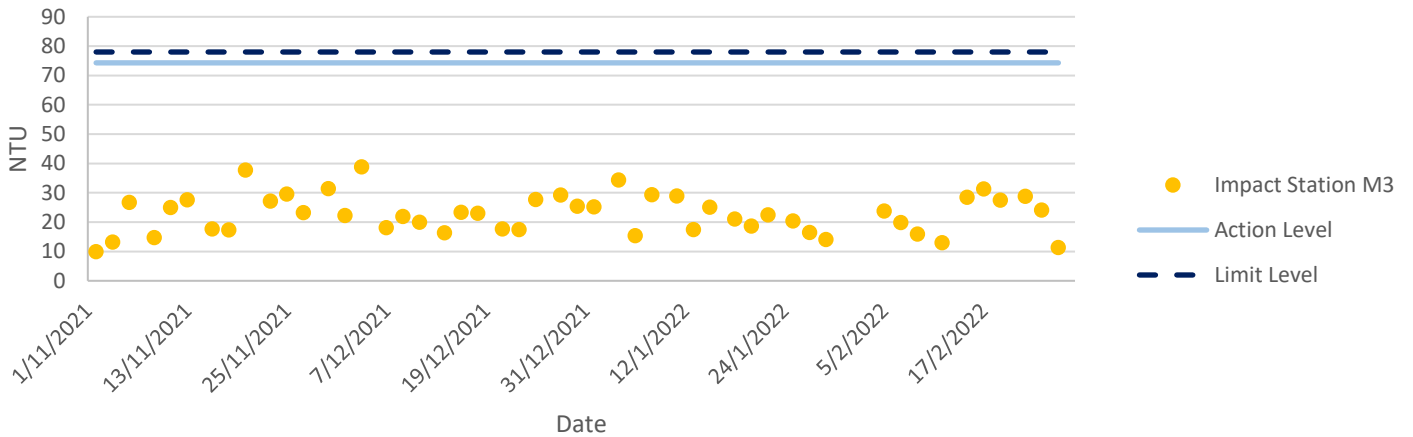
Turbidity at Mid-Flood Tide



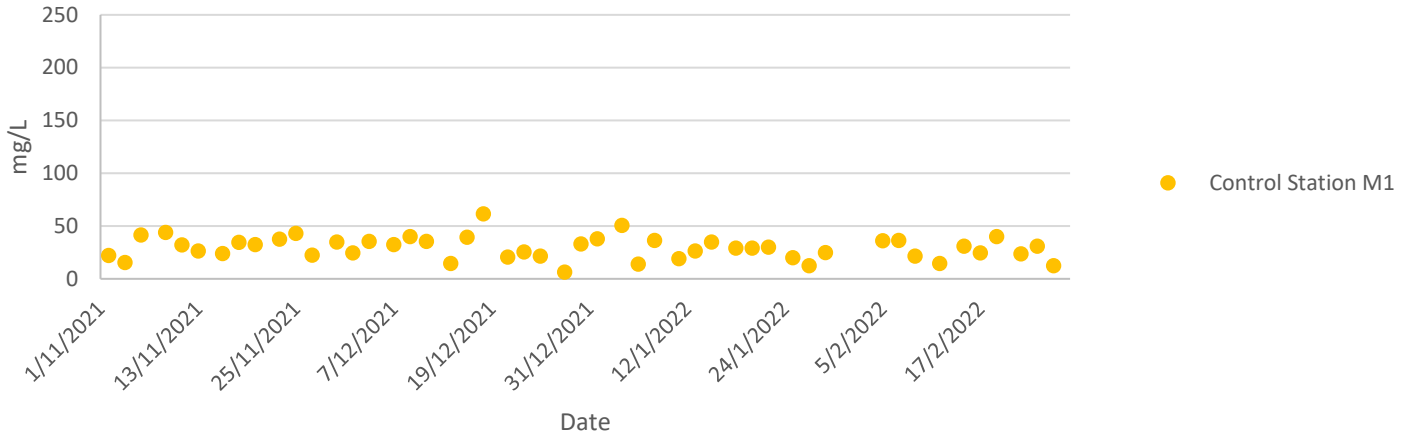
Turbidity at Mid-Flood Tide



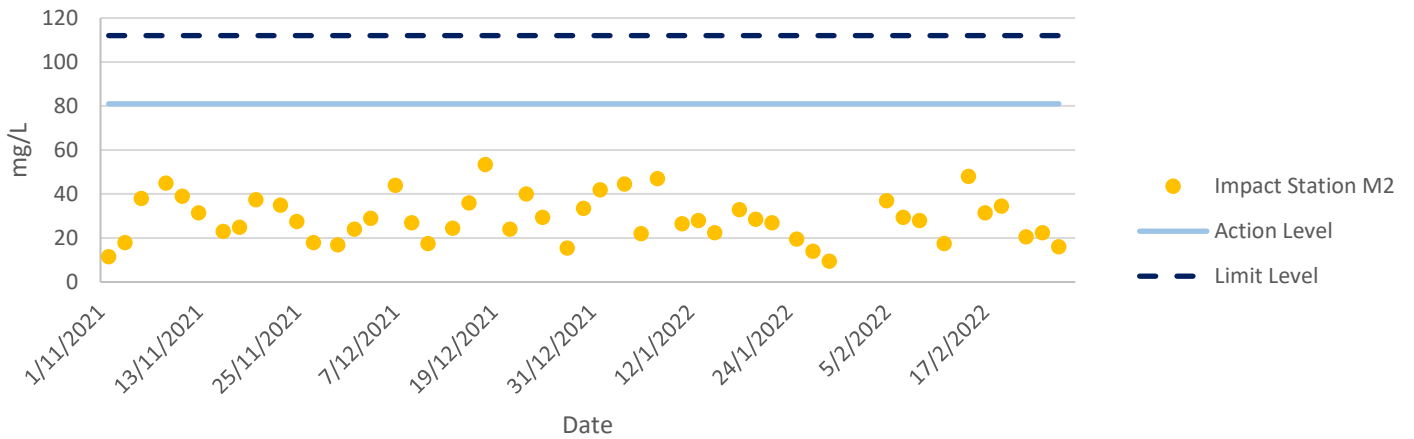
Turbidity at Mid-Flood Tide



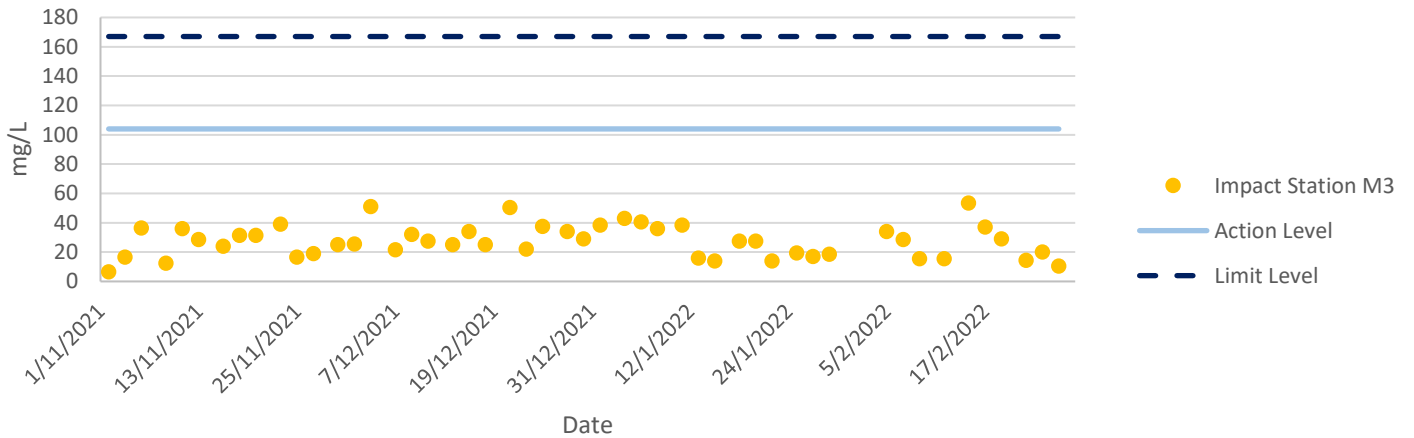
Total Suspended Solids at Mid-Flood Tide



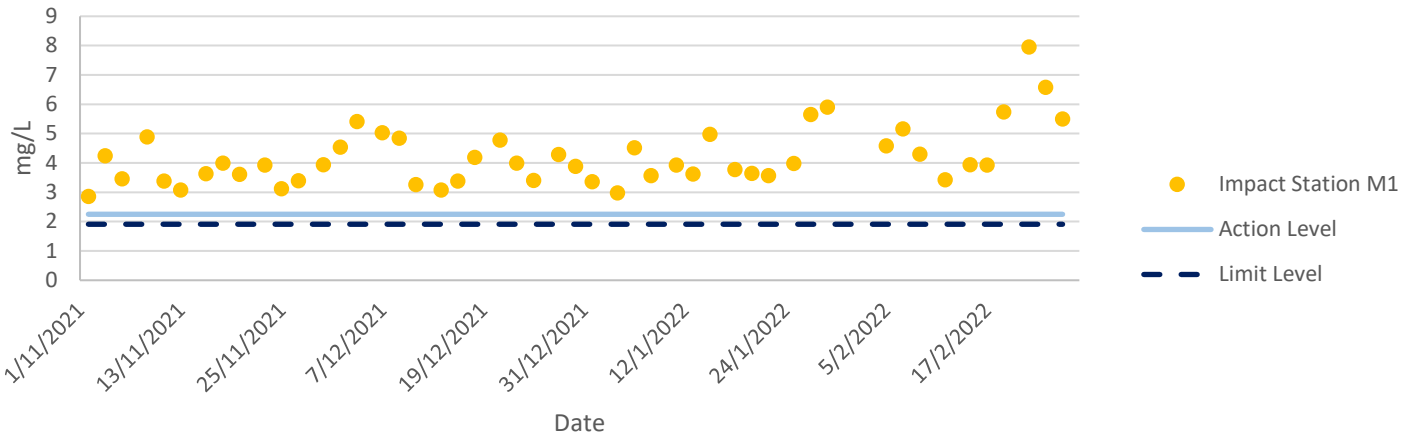
Total Suspended Solids at Mid-Flood Tide



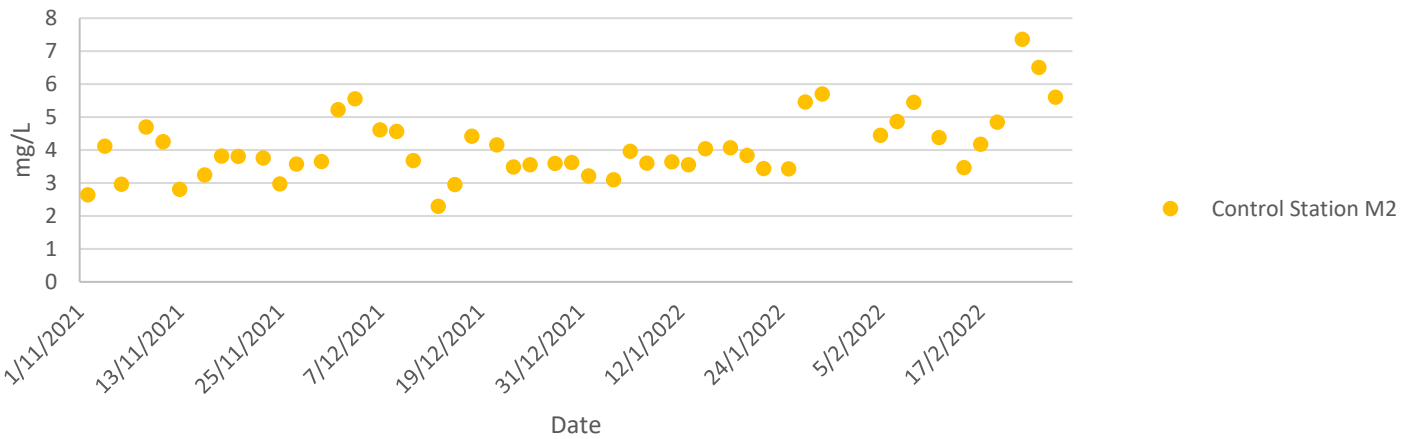
Total Suspended Solids at Mid-Flood Tide



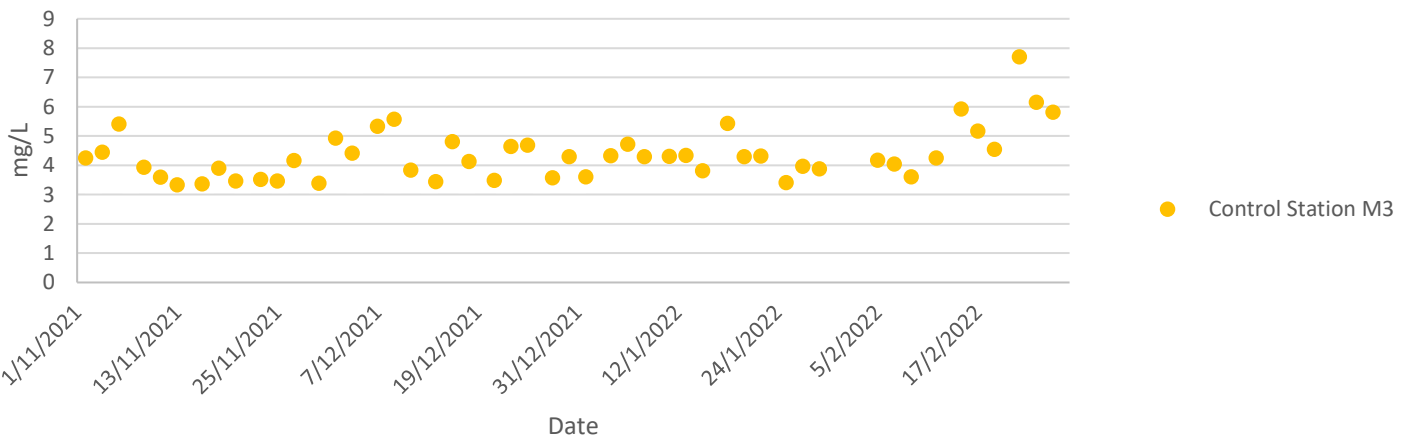
Dissolved Oxygen at Mid-Ebb Tide



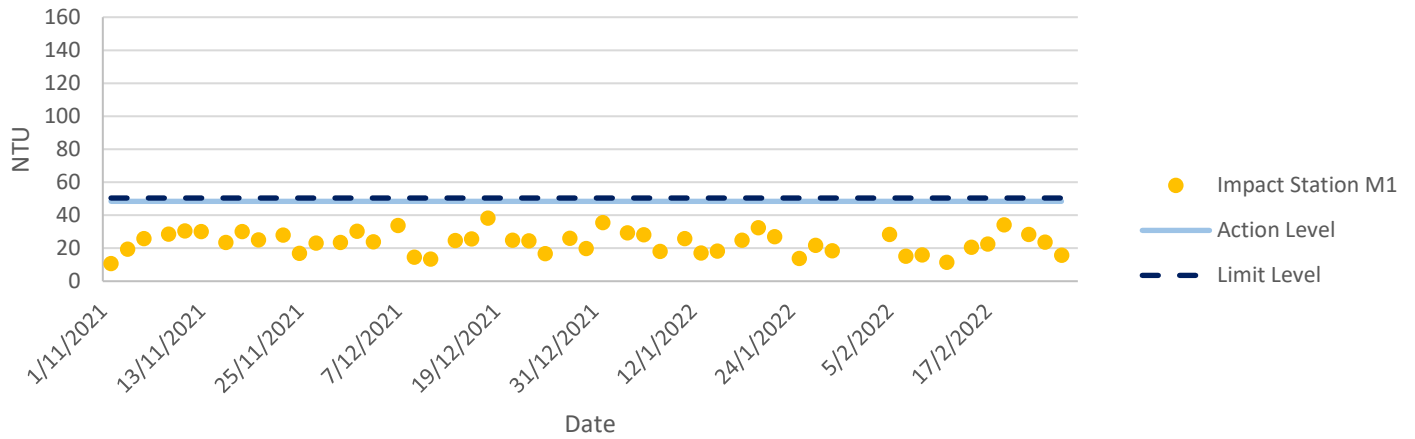
Dissolved Oxygen at Mid-Ebb Tide



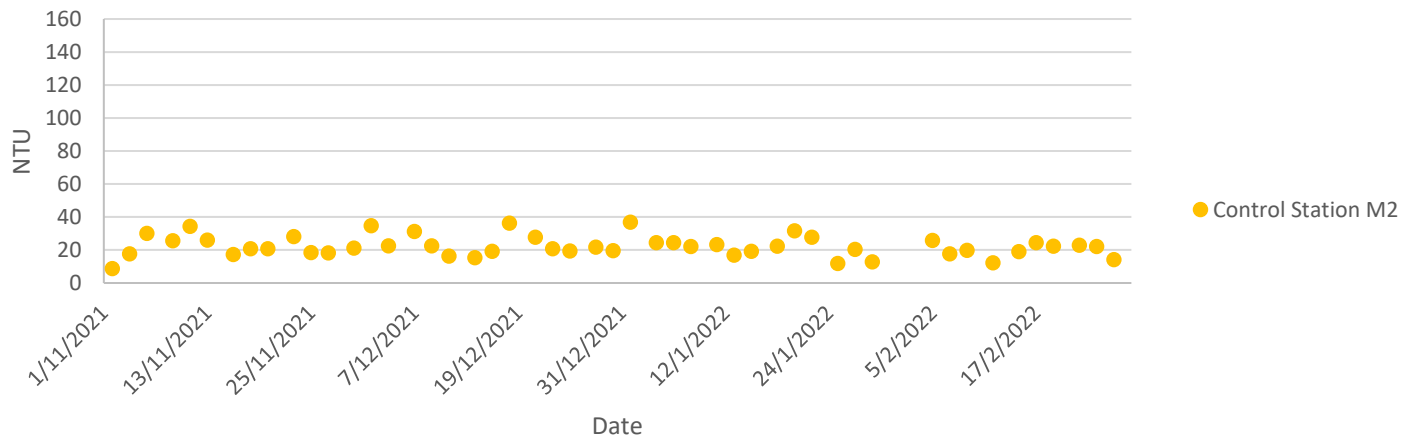
Dissolved Oxygen at Mid-Ebb Tide



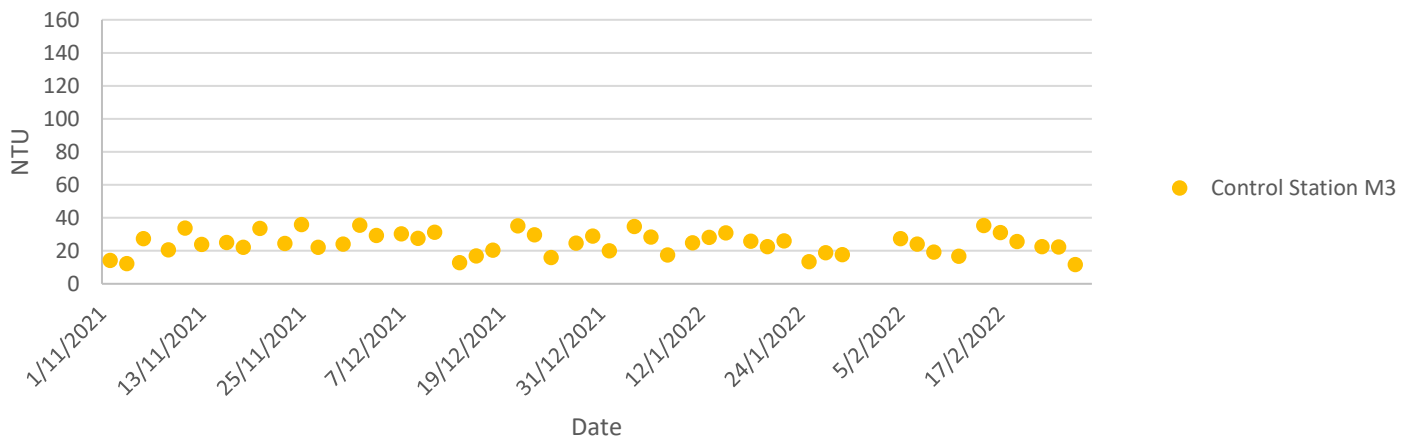
Turbidity at Mid-Ebb Tide

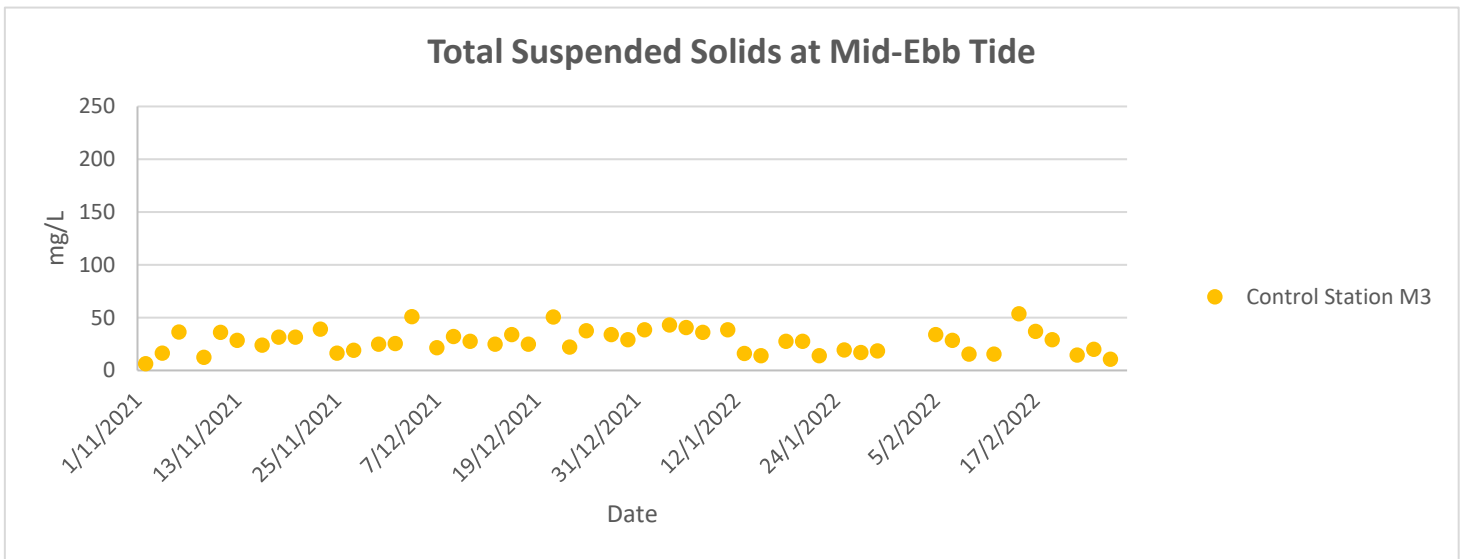
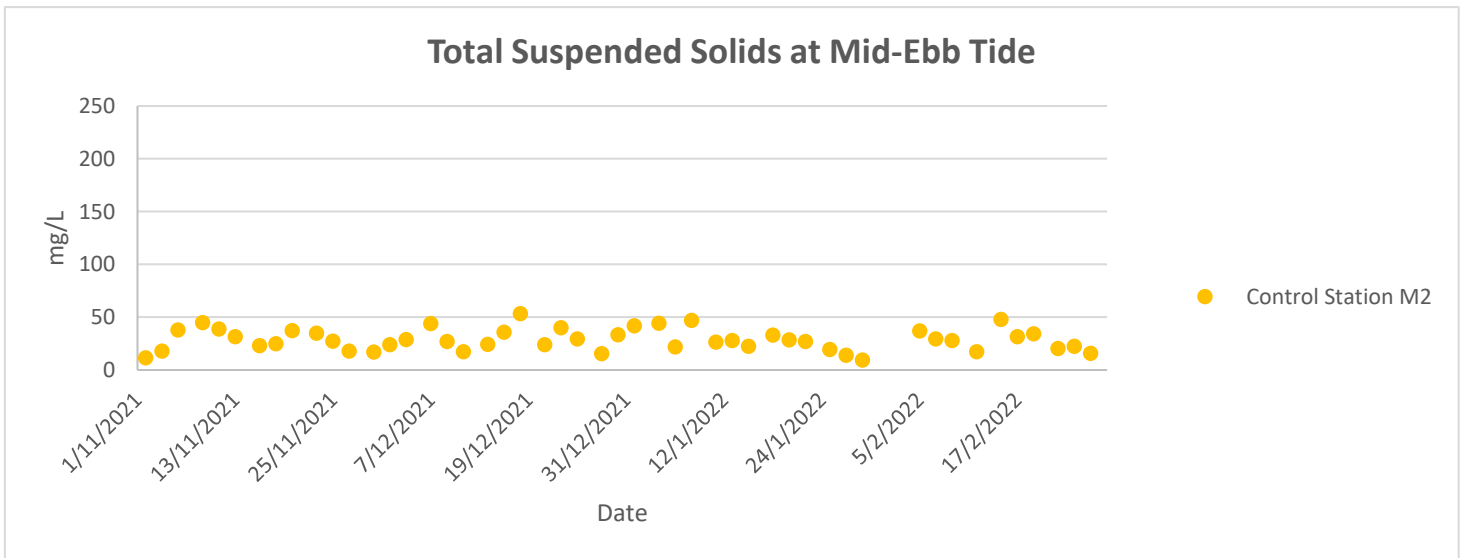
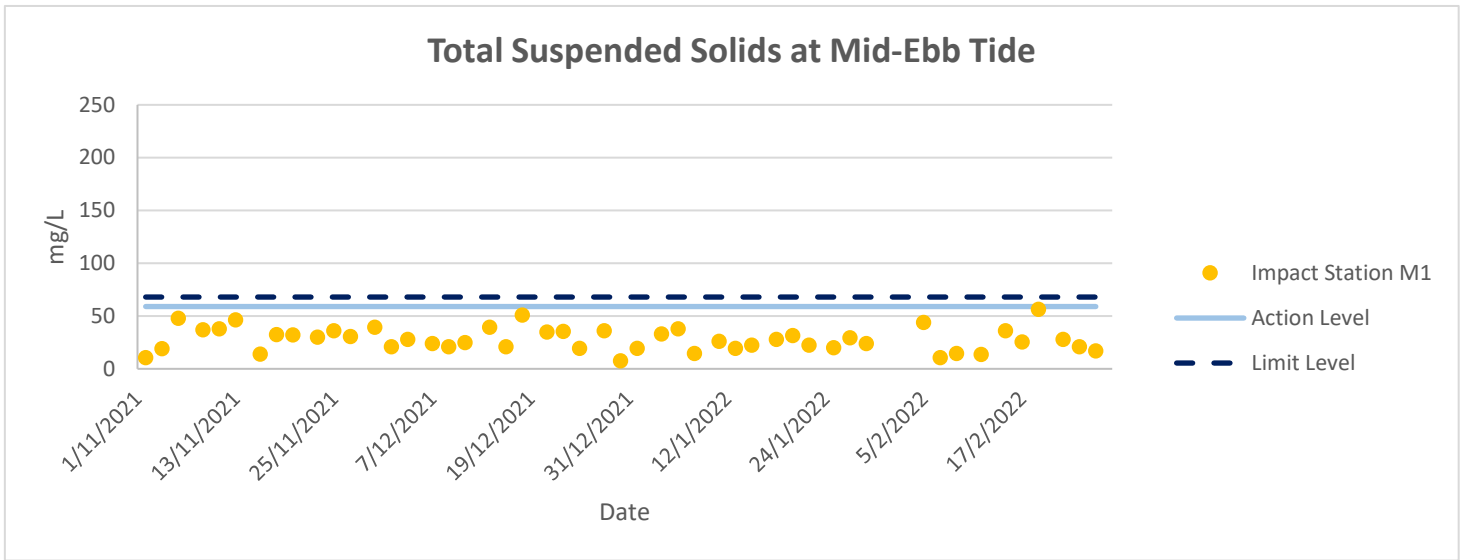


Turbidity at Mid-Ebb Tide



Turbidity at Mid-Ebb Tide





Water Quality Monitoring Results

Ecology Monitoring Results

Appendix F.1 Supplemental Discussion

F.1.1 Ecological Monitoring of Birds

F.1.1.1 Abundance

F.1.1.1.1 All Avifauna Species

Point Count

Among the different species recorded, the Great Cormorant *Phalacrocorax carbo* was noted with the highest abundance (80 ind.). On the other hand, species with the least abundance (1 ind.) was the Common Kingfisher *Alcedo atthis*.

Transect Walk

Among the different species recorded, the Black-headed Gull *Chroicocephalus ridibundus* was noted with the highest abundance (17 ind.); while the three species Collared Crow *Corvus torquatus*, Little Ringed Plover *Charadrius dubius* and White Wagtail *Motacilla alba* had the least abundance (1 ind.).

F.1.1.1.2 Avifauna Species of Conservation Importance

Point Count

Among the different species recorded, the Great Cormorant was recorded with the highest abundance (80 ind.). On the other hand, the Greater Coucal *Centropus sinensis* had the lowest abundance (1 ind. each).

Transect Walk

Among the different species recorded, the Black-headed Gull was noted with the highest abundance (17 ind.) while the Collared Crow had the lowest recorded abundance (1 ind.).

Appendix F.2 Ecological Bird Monitoring Result (15 and 18 February 2022)

Date (dd/mm/yyyy)	Daytime/Night time	Season	Area	Transect/Point Count	Point Count (Location)/Transect Impact	Habitat	Common Name	Scientific Name	Abundance	Distribution in Hong Kong ²	Principal Status ³	Level of Concern ⁴	Protection Status in China ⁵	China Red Data Book ⁶	Red List of China's Vertebrates ¹⁰	IUCN Red List ⁷ (v.2020-3)	Species of Conservation Importance	Wetland Dependent
15/02/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Collared Crow	<i>Corvus torquatus</i>	1	Uncommon	R	LC	-	-	NT	VU	Y	Y
15/02/2022	Daytime	Dry Season	FLW	Transect	FLW	In flight	Barn Swallow	<i>Hirundo rustica</i>	8	Abundant	PM,SV	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW1	Pond-FLW	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW1	Pond-FLW	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	Vulnerable	LC	LC	Y	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW1	Pond-FLW	Large-billed Crow	<i>Corvus macrorhynchos</i>	4	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW1	Pond-FLW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	4	Introduced	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW1	Pond-FLW	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW1	Pond-FLW	White Wagtail	<i>Motacilla alba</i>	3	Common	PM,WV	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW1	Pond-FLW	Japanese White-eye	<i>Zosterops japonicus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW2	Pond-FLW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW2	Pond-FLW	Little Egret	<i>Egretta garzetta</i>	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW2	Pond-FLW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW2	Pond-FLW	Dusky Warbler	<i>Phylloscopus fuscatus</i>	3	Common	PM,WV	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW2	Pond-FLW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	2	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW2	Pond-FLW	Plain Prinia	<i>Prinia inornata</i>	3	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW2	Pond-FLW	Spotted Dove	<i>Spilopelia chinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW3	Pond-FLW	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW3	Pond-FLW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW3	Pond-FLW	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW3	Pond-FLW	Common Tailorbird	<i>Orthotomus sutorius</i>	1	Common	R	-	-	-	LC	LC	N	N

15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW3	In flight	Great Cormorant	<i>Phalacrocorax carbo</i>	20	Common	WV	PRC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW3	Pond-FLW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	3	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW3	Pond-FLW	Plain Prinia	<i>Prinia inornata</i>	1	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW3	Pond-FLW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW3	Pond-FLW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW3	Pond-FLW	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	3	Found in Mai Po, Tsim Bei Tsui, Fung Lok Wai	-	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW4	Pond-FLW	Eurasian Teal	<i>Anas crecca</i>	4	Common	WV	RC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW4	Pond-FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW4	Pond-FLW	Large-billed Crow	<i>Corvus macrorhynchos</i>	2	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW4	Pond-FLW	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	-	-	-	LC	LC	N	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW4	Pond-FLW	Barn Swallow	<i>Hirundo rustica</i>	1	Abundant	PM,SV	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW4	Pond-FLW	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW4	Pond-FLW	Great Cormorant	<i>Phalacrocorax carbo</i>	4	Common	WV	PRC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW4	Pond-FLW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW4	Pond-FLW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW4	Pond-FLW	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	2	Found in Mai Po, Tsim Bei Tsui, Fung Lok Wai	-	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Crested Myna	<i>Acridotheres cristatellus</i>	23	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Great Egret	<i>Ardea alba</i>	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y

15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Eastern Cattle Egret	<i>Bubulcus coromandus</i>	9	Common	R,PM	-	-	-	LC	LC	N	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Pied Kingfisher	<i>Ceryle rudis</i>	1	Uncommon	R	-	-	-	LC	LC	N	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Little Egret	<i>Egretta garzetta</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Intermediate Egret	<i>Egretta intermedia</i>	1	Common	PM	RC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	White Wagtail	<i>Motacilla alba</i>	3	Common	PM,WV	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Eurasian Tree Sparrow	<i>Passer montanus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Red Turtle Dove	<i>Streptopelia tranquebarica</i>	5	Uncommon	PM	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Grey Heron	<i>Ardea cinerea</i>	4	Common	WV	PRC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Eastern Cattle Egret	<i>Bubulcus coromandus</i>	11	Common	R,PM	-	-	-	LC	LC	N	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Oriental Magpie Robin	<i>Copsychus saularis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	3	Introduced	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Masked Laughingthrush	<i>Garrulax perspicillatus</i>	4	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	-	-	-	LC	LC	N	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Barn Swallow	<i>Hirundo rustica</i>	17	Abundant	PM,SV	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	White Wagtail	<i>Motacilla alba</i>	3	Common	PM,WV	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	3	Common	PM,WV	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Common Tailorbird	<i>Orthotomus sutorius</i>	3	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Japanese White-eye	<i>Zosterops japonicus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW7	Pond-FLW	Crested Myna	<i>Acridotheres cristatellus</i>	28	Common	R	-	-	-	LC	LC	N	N

15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW7	Pond-FLW	Greater Coucal	<i>Centropus sinensis</i>	1	Common	R	-	Class II	Vulnerable	LC	LC	Y	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW7	Pond-FLW	Pied Kingfisher	<i>Ceryle rudis</i>	1	Uncommon	R	-	-	-	LC	LC	N	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW7	Pond-FLW	Oriental Magpie Robin	<i>Copsychus saularis</i>	2	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW7	Pond-FLW	Little Egret	<i>Egretta garzetta</i>	5	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW7	Pond-FLW	Intermediate Egret	<i>Egretta intermedia</i>	7	Common	PM	RC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW7	Pond-FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	7	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW7	Pond-FLW	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	-	-	-	LC	LC	N	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW7	Pond-FLW	Black Kite	<i>Milvus migrans</i>	2	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW7	Pond-FLW	White Wagtail	<i>Motacilla alba</i>	4	Common	PM,WV	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	FLW	Point Count	FLW7	Pond-FLW	Great Cormorant	<i>Phalacrocorax carbo</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Transect	NSW	Modified Watercourse	Great Egret	<i>Ardea alba</i>	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Transect	NSW	Modified Watercourse	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Transect	NSW	Modified Watercourse	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Transect	NSW	Modified Watercourse	Intermediate Egret	<i>Egretta intermedia</i>	2	Common	PM	RC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Transect	NSW	Modified Watercourse	Great Cormorant	<i>Phalacrocorax carbo</i>	5	Common	WV	PRC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Crested Myna	<i>Acridotheres cristatellus</i>	6	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	4	Common	R	-	-	-	LC	LC	N	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Great Egret	<i>Ardea alba</i>	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Eastern Cattle Egret	<i>Bubulcus coromandus</i>	2	Common	R,PM	-	-	-	LC	LC	N	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Pied Kingfisher	<i>Ceryle rudis</i>	1	Uncommon	R	-	-	-	LC	LC	N	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Masked Laughingthrush	<i>Garrulax perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N

15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Black Kite	<i>Milvus migrans</i>	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Common Tailorbird	<i>Orthotomus sutorius</i>	2	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Eurasian Tree Sparrow	<i>Passer montanus</i>	5	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Great Cormorant	<i>Phalacrocorax carbo</i>	30	Common	WV	PRC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Dusky Warbler	<i>Phylloscopus fuscatus</i>	3	Common	PM,WV	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Plain Prinia	<i>Prinia inornata</i>	4	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	6	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	7	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Spotted Dove	<i>Spilopelia chinensis</i>	5	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Red Turtle Dove	<i>Streptopelia tranquebarica</i>	4	Uncommon	PM	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Japanese White-eye	<i>Zosterops japonicus</i>	2	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Crested Myna	<i>Acridotheres cristatellus</i>	3	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	Common	R	-	-	-	LC	LC	N	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Eurasian Teal	<i>Anas crecca</i>	15	Common	WV	RC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Northern Pintail	<i>Anas acuta</i>	3	Abundant	WV	RC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Chinese Pond Heron	<i>Ardeola bacchus</i>	5	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	23	Common	WV	PRC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Intermediate Egret	<i>Egretta intermedia</i>	3	Common	PM	RC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Common Moorhen	<i>Gallinula chloropus</i>	6	Common	R	-	-	-	LC	LC	N	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Black-collared Starling	<i>Gracupica nigricollis</i>	2	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Black-winged Stilt	<i>Himantopus himantopus</i>	20	Common	PM	RC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Eurasian Tree Sparrow	<i>Passer montanus</i>	6	Abundant	R	-	-	-	LC	LC	N	N

15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Black-faced Spoonbill	<i>Platalea minor</i>	2	Common	WV	PGC	Class II	EN	EN	EN	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	7	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Chinese Bulbul	<i>Pycnonotus sinensis</i>	3	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Little Grebe	<i>Tachybaptus ruficollis</i>	5	Common	R	LC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Eurasian Wigeon	<i>Anas penelope</i>	9	Common	WV	RC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Northern Pintail	<i>Anas acuta</i>	5	Abundant	WV	RC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Tufted Duck	<i>Aythya fuligula</i>	4	Uncommon	WV	LC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Black-winged Stilt	<i>Himantopus himantopus</i>	15	Common	PM	RC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Dusky Warbler	<i>Phylloscopus fuscatus</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Common Greenshank	<i>Tringa nebularia</i>	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW3	Modified Watercourse	Chinese Pond Heron	<i>Ardeola bacchus</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW3	Modified Watercourse	Black-faced Spoonbill	<i>Platalea minor</i>	1	Common	WV	PGC	Class II	EN	EN	EN	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW3	Modified Watercourse	Pied Avocet	<i>Recurvirostra avosetta</i>	14	Abundant	WV	RC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW3	Modified Watercourse	Little Grebe	<i>Tachybaptus ruficollis</i>	5	Common	R	LC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW3	Modified Watercourse	Common Greenshank	<i>Tringa nebularia</i>	15	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Crested Myna	<i>Acridotheres cristatellus</i>	6	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Common Kingfisher	<i>Alcedo atthis</i>	2	Common	PM,WV	-	-	-	LC	LC	N	Y
15/02/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Eurasian Teal	<i>Anas crecca</i>	4	Common	WV	RC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Great Egret	<i>Ardea alba</i>	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Grey Heron	<i>Ardea cinerea</i>	2	Common	WV	PRC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Little Ringed Plover	<i>Charadrius dubius</i>	1	Common	WV,PM	-	-	-	LC	LC	N	Y

15/02/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	17	Common	WV	PRC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Intermediate Egret	<i>Egretta intermedia</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Black-collared Starling	<i>Gracupica nigricollis</i>	2	Common	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Black-winged Stilt	<i>Himantopus himantopus</i>	12	Common	PM	RC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Eurasian Tree Sparrow	<i>Passer montanus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Great Cormorant	<i>Phalacrocorax carbo</i>	6	Common	WV	PRC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N
15/02/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Pied Avocet	<i>Recurvirostra avosetta</i>	11	Abundant	WV	RC	-	-	LC	LC	Y	Y
15/02/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Little Grebe	<i>Tachybaptus ruficollis</i>	3	Common	R	LC	-	-	LC	LC	Y	Y
18/02/2022	Night-time	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Great Cormorant	<i>Phalacrocorax carbo</i>	15	Common	WV	PRC	-	-	LC	LC	Y	Y
18/02/2022	Night-time	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Crested Myna	<i>Acridotheres cristatellus</i>	3	Common	R	-	-	-	LC	LC	N	N
18/02/2022	Night-time	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Eurasian Teal	<i>Anas crecca</i>	10	Common	WV	RC	-	-	LC	LC	Y	Y
18/02/2022	Night-time	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Great Egret	<i>Ardea alba</i>	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
18/02/2022	Night-time	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Chinese Pond Heron	<i>Ardeola bacchus</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
18/02/2022	Night-time	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Eastern Cattle Egret	<i>Bubulcus coromandus</i>	30	Common	R,PM	-	-	-	LC	LC	N	Y
18/02/2022	Night-time	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Pied Kingfisher	<i>Ceryle rudis</i>	1	Uncommon	R	-	-	-	LC	LC	N	Y
18/02/2022	Night-time	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Great Cormorant	<i>Phalacrocorax carbo</i>	10	Common	WV	PRC	-	-	LC	LC	Y	Y
18/02/2022	Night-time	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Black-faced Spoonbill	<i>Platalea minor</i>	4	Common	WV	PGC	Class II	EN	EN	EN	Y	Y
18/02/2022	Night-time	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Pied Avocet	<i>Recurvirostra avosetta</i>	5	Abundant	WV	RC	-	-	LC	LC	Y	Y
18/02/2022	Night-time	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Little Grebe	<i>Tachybaptus ruficollis</i>	6	Common	R	LC	-	-	LC	LC	Y	Y
18/02/2022	Night-time	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Spotted Redshank	<i>Tringa erythropus</i>	7	Abundant	WV,Sp	RC	-	-	LC	LC	Y	Y

18/02/2022	Night-time	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Common Redshank	<i>Tringa totanus</i>	7	Common	PM	RC	-	-	LC	LC	Y	Y
18/02/2022	Night-time	Dry Season	NSW	Point Count	SP/NSW3	Modified Watercourse	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y
18/02/2022	Night-time	Dry Season	NSW	Point Count	SP/NSW3	Mangrove	Eastern Cattle Egret	<i>Bubulcus coromandus</i>	7	Common	R.PM	-	-	-	LC	LC	N	Y
18/02/2022	Night-time	Dry Season	NSW	Point Count	SP/NSW3	Modified Watercourse	Black-winged Stilt	<i>Himantopus himantopus</i>	3	Common	PM	RC	-	-	LC	LC	Y	Y
18/02/2022	Night-time	Dry Season	NSW	Point Count	SP/NSW3	Modified Watercourse	Barn Swallow	<i>Hirundo rustica</i>	2	Abundant	PM,SV	-	-	-	LC	LC	N	N

Notes:

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

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

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

(4) Fellowes et al. (2002): 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.

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

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

(7) IUCN 2021. The IUCN Red List of Threatened Species. Version 2020-3.

(9) Wetland-dependent species (including wetland-dependent species and waterbirds).

(10) Jiang et al. (2016). Red List of China's Vertebrates

Appendix F.3.1 Ecological Bird Monitoring Diversity (All avifauna species in Point Count Method) in All Habitats (15 and 18 February 2022)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Acridotheres cristatellus</i>	67	0.099702	-2.30557	-0.22987	0.529981
<i>Alcedo atthis</i>	1	0.001488	-6.51026	-0.00969	0.063071
<i>Amaurornis phoenicurus</i>	5	0.00744	-4.90082	-0.03646	0.178706
<i>Anas acuta</i>	8	0.011905	-4.43082	-0.05275	0.233716
<i>Anas crecca</i>	29	0.043155	-3.14296	-0.13563	0.426292
<i>Anas penelope</i>	9	0.013393	-4.31303	-0.05776	0.249137
<i>Ardea alba</i>	8	0.011905	-4.43082	-0.05275	0.233716
<i>Ardea cinerea</i>	7	0.010417	-4.56435	-0.04755	0.217013
<i>Ardeola bacchus</i>	25	0.037202	-3.29138	-0.12245	0.403021
<i>Aythya fuligula</i>	4	0.005952	-5.12396	-0.0305	0.15628
<i>Bubulcus coromandus</i>	59	0.087798	-2.43272	-0.21359	0.519598
<i>Centropus sinensis</i>	2	0.002976	-5.81711	-0.01731	0.100711
<i>Ceryle rudis</i>	4	0.005952	-5.12396	-0.0305	0.15628
<i>Chroicocephalus ridibundus</i>	23	0.034226	-3.37476	-0.11551	0.389803
<i>Copsychus saularis</i>	7	0.010417	-4.56435	-0.04755	0.217013
<i>Corvus macrorhynchos</i>	6	0.008929	-4.7185	-0.04213	0.198788
<i>Cyanopica cyanus</i>	7	0.010417	-4.56435	-0.04755	0.217013
<i>Egretta garzetta</i>	13	0.019345	-3.94531	-0.07632	0.301118
<i>Egretta intermedia</i>	11	0.016369	-4.11236	-0.06732	0.276826
<i>Gallinula chloropus</i>	6	0.008929	-4.7185	-0.04213	0.198788
<i>Garrulax perspicillatus</i>	7	0.010417	-4.56435	-0.04755	0.217013
<i>Gracupica nigricollis</i>	15	0.022321	-3.80221	-0.08487	0.322696
<i>Halcyon smyrnensis</i>	3	0.004464	-5.41165	-0.02416	0.130741
<i>Himantopus himantopus</i>	38	0.056548	-2.87267	-0.16244	0.466645
<i>Hirundo rustica</i>	20	0.029762	-3.51453	-0.1046	0.367616
<i>Milvus migrans</i>	4	0.005952	-5.12396	-0.0305	0.15628
<i>Motacilla alba</i>	17	0.025298	-3.67704	-0.09302	0.342041
<i>Motacilla tschutschensis</i>	3	0.004464	-5.41165	-0.02416	0.130741
<i>Orthotomus sutorius</i>	6	0.008929	-4.7185	-0.04213	0.198788
<i>Passer montanus</i>	15	0.022321	-3.80221	-0.08487	0.322696
<i>Phalacrocorax carbo</i>	80	0.119048	-2.12823	-0.25336	0.539211
<i>Phylloscopus fuscatus</i>	8	0.011905	-4.43082	-0.05275	0.233716
<i>Platalea minor</i>	7	0.010417	-4.56435	-0.04755	0.217013
<i>Prinia flaviventris</i>	5	0.00744	-4.90082	-0.03646	0.178706
<i>Prinia inornata</i>	12	0.017857	-4.02535	-0.07188	0.289347
<i>Pycnonotus jocosus</i>	16	0.02381	-3.73767	-0.08899	0.332623
<i>Pycnonotus sinensis</i>	17	0.025298	-3.67704	-0.09302	0.342041
<i>Recurvirostra avosetta</i>	19	0.028274	-3.56582	-0.10082	0.359503
<i>Spilopelia chinensis</i>	10	0.014881	-4.20767	-0.06261	0.26346
<i>Streptopelia decaocto</i>	5	0.00744	-4.90082	-0.03646	0.178706
<i>Streptopelia tranquebarica</i>	9	0.013393	-4.31303	-0.05776	0.249137
<i>Tachybaptus ruficollis</i>	16	0.02381	-3.73767	-0.08899	0.332623
<i>Tringa erythropus</i>	7	0.010417	-4.56435	-0.04755	0.217013
<i>Tringa nebularia</i>	17	0.025298	-3.67704	-0.09302	0.342041

<i>Tringa totanus</i>	7	0.010417	-4.56435	-0.04755	0.217013
<i>Zosterops japonicus</i>	8	0.011905	-4.43082	-0.05275	0.233716
Total	672	1	-194.711	-3.40512	12.44799
Richness	46				
SS	12.45				
SQ	11.59				
H	3.41				
S²_H	0.001				

Appendix F.3.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (15 and 18 February 2022)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Anas acuta</i>	8	0.023952	-3.7317	-0.08938	0.333547
<i>Anas crecca</i>	29	0.086826	-2.44385	-0.21219	0.51856
<i>Anas penelope</i>	9	0.026946	-3.61392	-0.09738	0.351927
<i>Ardea alba</i>	8	0.023952	-3.7317	-0.08938	0.333547
<i>Ardea cinerea</i>	7	0.020958	-3.86523	-0.08101	0.313114
<i>Ardeola bacchus</i>	25	0.07485	-2.59227	-0.19403	0.502982
<i>Aythya fuligula</i>	4	0.011976	-4.42485	-0.05299	0.234482
<i>Centropus sinensis</i>	2	0.005988	-5.11799	-0.03065	0.156849
<i>Chroicocephalus ridibundus</i>	23	0.068862	-2.67565	-0.18425	0.492991
<i>Egretta garzetta</i>	13	0.038922	-3.24619	-0.12635	0.410152
<i>Egretta intermedia</i>	11	0.032934	-3.41325	-0.11241	0.383691
<i>Himantopus himantopus</i>	38	0.113772	-2.17355	-0.24729	0.5375
<i>Milvus migrans</i>	4	0.011976	-4.42485	-0.05299	0.234482
<i>Phalacrocorax carbo</i>	80	0.239521	-1.42911	-0.3423	0.48919
<i>Platalea minor</i>	7	0.020958	-3.86523	-0.08101	0.313114
<i>Recurvirostra avosetta</i>	19	0.056886	-2.8667	-0.16308	0.46749
<i>Tachybaptus ruficollis</i>	16	0.047904	-3.03855	-0.14556	0.44229
<i>Tringa erythropus</i>	7	0.020958	-3.86523	-0.08101	0.313114
<i>Tringa nebularia</i>	17	0.050898	-2.97793	-0.15157	0.451368
<i>Tringa totanus</i>	7	0.020958	-3.86523	-0.08101	0.313114
Total	334	1	-67.363	-2.61584	7.28039
Richness	20				
SS	7.28039				
SQ	6.842627				
H	2.62				
S²_H	0.001396				

Appendix F.3.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method) in All Habitats (15 and 18 February 2022)

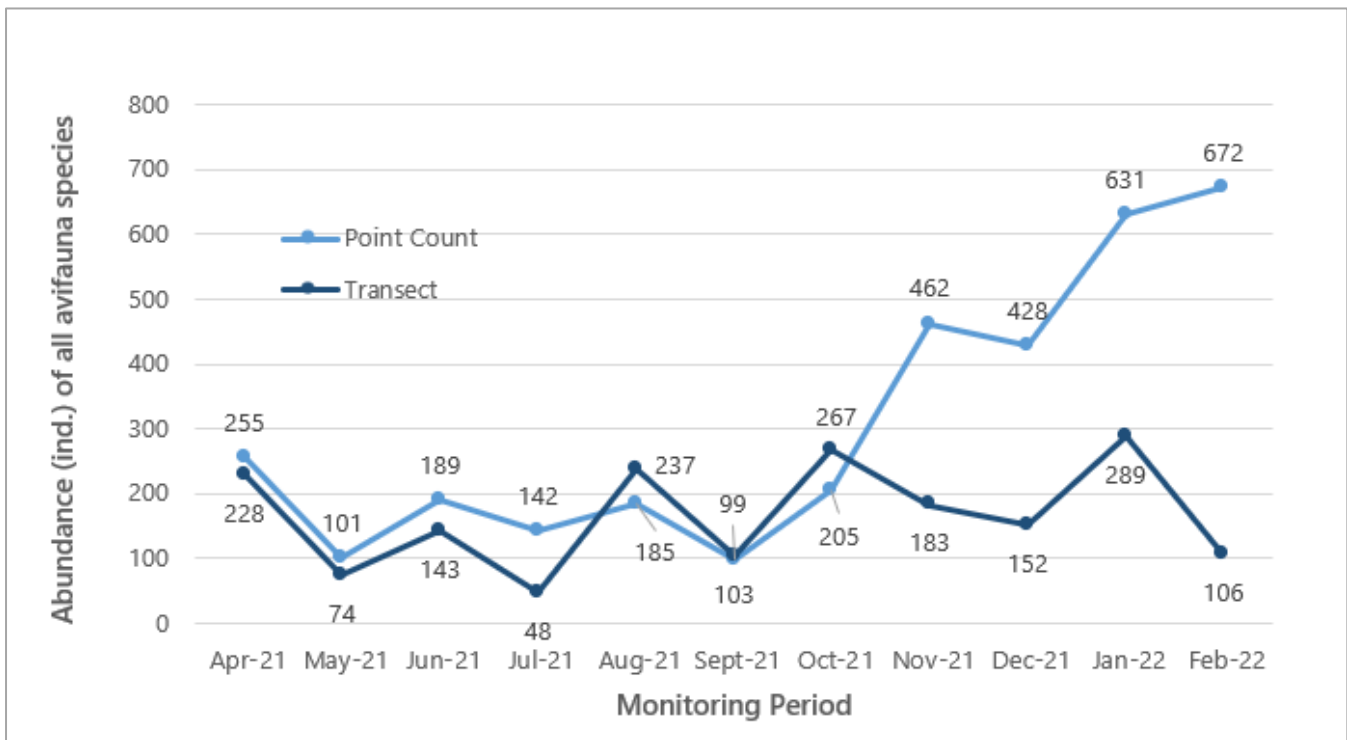
Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Acridotheres cristatellus</i>	6	0.056604	-2.87168	-0.16255	0.466786
<i>Alcedo atthis</i>	2	0.018868	-3.97029	-0.07491	0.297419
<i>Anas crecca</i>	4	0.037736	-3.27714	-0.12367	0.405271

<i>Ardea alba</i>	6	0.056604	-2.87168	-0.16255	0.466786
<i>Ardea cinerea</i>	3	0.028302	-3.56483	-0.10089	0.35966
<i>Charadrius dubius</i>	1	0.009434	-4.66344	-0.04399	0.205167
<i>Chroicocephalus ridibundus</i>	17	0.160377	-1.83023	-0.29353	0.53722
<i>Corvus torquatus</i>	1	0.009434	-4.66344	-0.04399	0.205167
<i>Egretta garzetta</i>	2	0.018868	-3.97029	-0.07491	0.297419
<i>Egretta intermedia</i>	6	0.056604	-2.87168	-0.16255	0.466786
<i>Gracupica nigricollis</i>	2	0.018868	-3.97029	-0.07491	0.297419
<i>Himantopus himantopus</i>	12	0.113208	-2.17853	-0.24663	0.537283
<i>Hirundo rustica</i>	8	0.075472	-2.584	-0.19502	0.503928
<i>Motacilla alba</i>	1	0.009434	-4.66344	-0.04399	0.205167
<i>Passer montanus</i>	3	0.028302	-3.56483	-0.10089	0.35966
<i>Phalacrocorax carbo</i>	11	0.103774	-2.26554	-0.2351	0.532638
<i>Pycnonotus jocosus</i>	3	0.028302	-3.56483	-0.10089	0.35966
<i>Pycnonotus sinensis</i>	4	0.037736	-3.27714	-0.12367	0.405271
<i>Recurvirostra avosetta</i>	11	0.103774	-2.26554	-0.2351	0.532638
<i>Tachybaptus ruficollis</i>	3	0.028302	-3.56483	-0.10089	0.35966
Total	106	1	-66.4537	-2.70064	7.801003
Richness	20				
SS	7.801003				
SQ	7.293442				
H	2.70				
S²_H	0.005634				

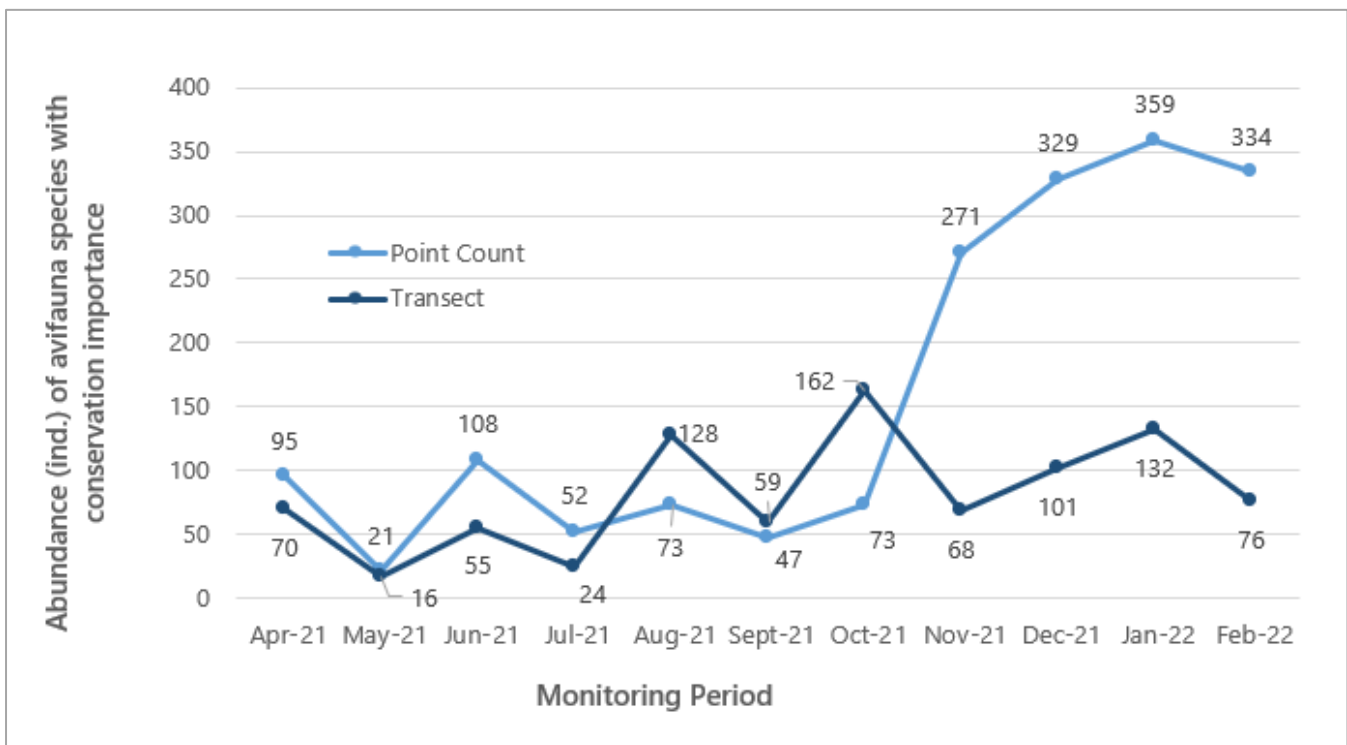
Appendix F.3.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (15 and 18 February 2022)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Anas crecca</i>	4	0.052632	-2.94444	-0.15497	0.456301
<i>Ardea alba</i>	6	0.078947	-2.53897	-0.20045	0.508925
<i>Ardea cinerea</i>	3	0.039474	-3.23212	-0.12758	0.412366
<i>Chroicocephalus ridibundus</i>	17	0.223684	-1.49752	-0.33497	0.501627
<i>Corvus torquatus</i>	1	0.013158	-4.33073	-0.05698	0.24678
<i>Egretta garzetta</i>	2	0.026316	-3.63759	-0.09573	0.348211
<i>Egretta intermedia</i>	6	0.078947	-2.53897	-0.20045	0.508925
<i>Himantopus himantopus</i>	12	0.157895	-1.84583	-0.29145	0.537959
<i>Phalacrocorax carbo</i>	11	0.144737	-1.93284	-0.27975	0.540717
<i>Recurvirostra avosetta</i>	11	0.144737	-1.93284	-0.27975	0.540717
<i>Tachybaptus ruficollis</i>	3	0.039474	-3.23212	-0.12758	0.412366
Total	76	1	-29.664	-2.14966	5.014895
Richness	11				
SS	5.014895				
SQ	4.621044				
H	2.15				
S²_H	0.006048				

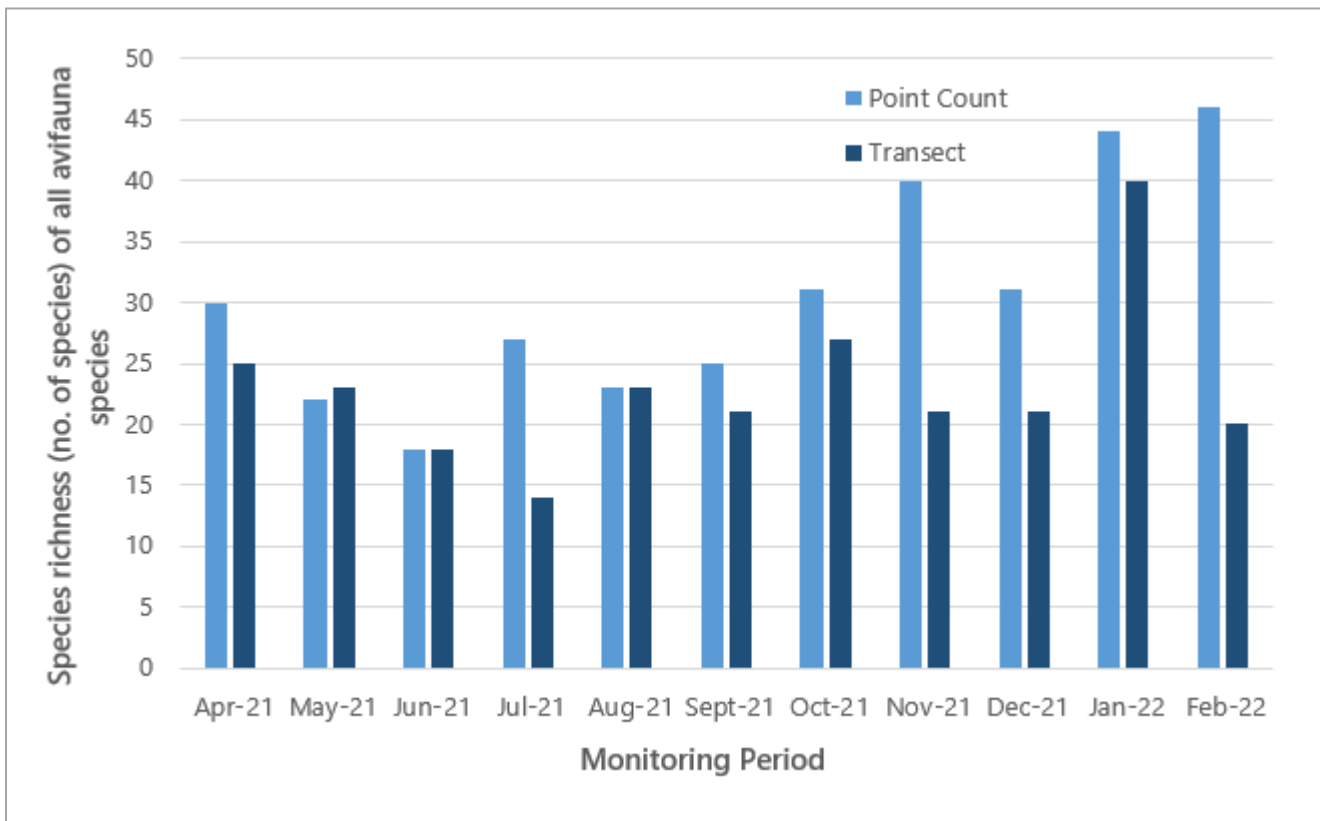
Appendix F.4.1 Abundance of all avifauna species throughout the monitoring period



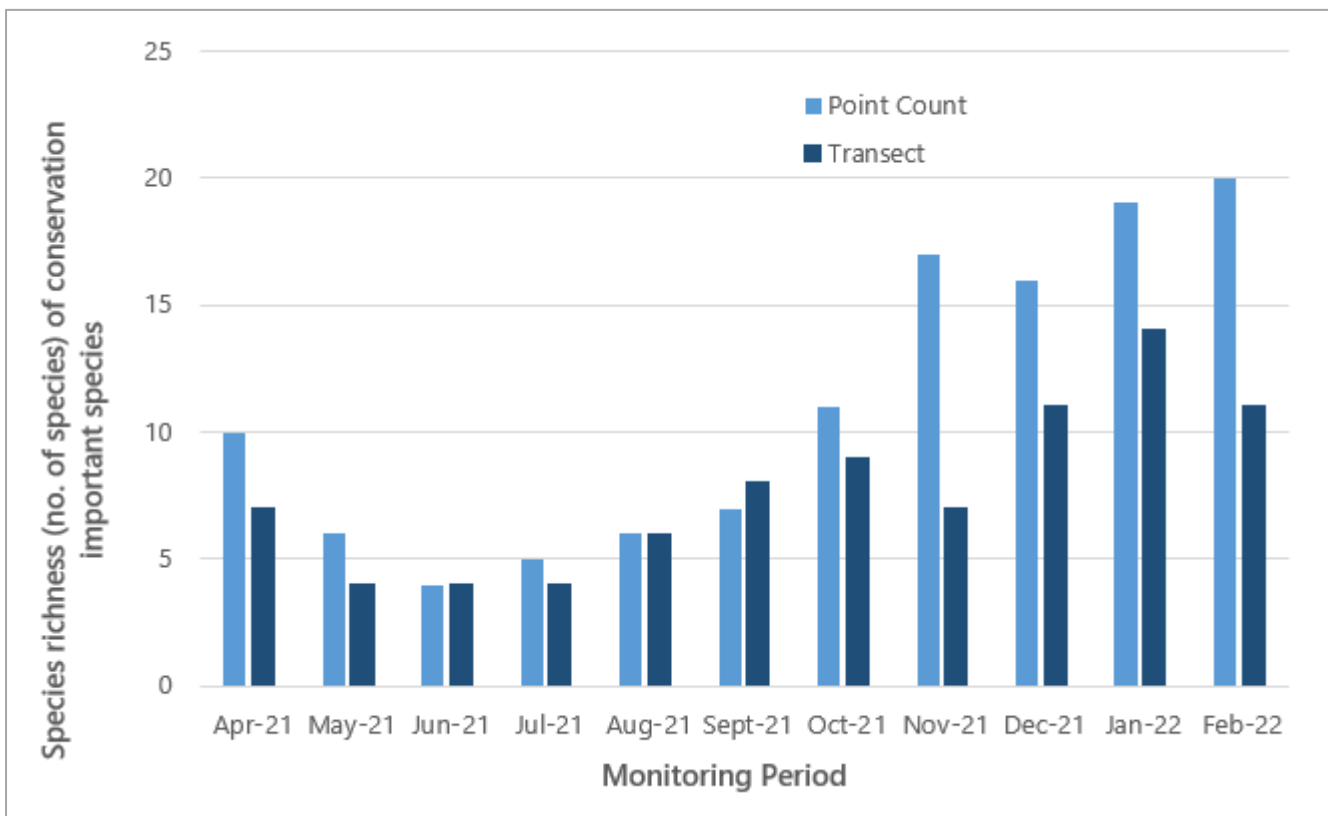
Appendix F.4.2 Abundance of avifauna species with conservation importance throughout the monitoring period



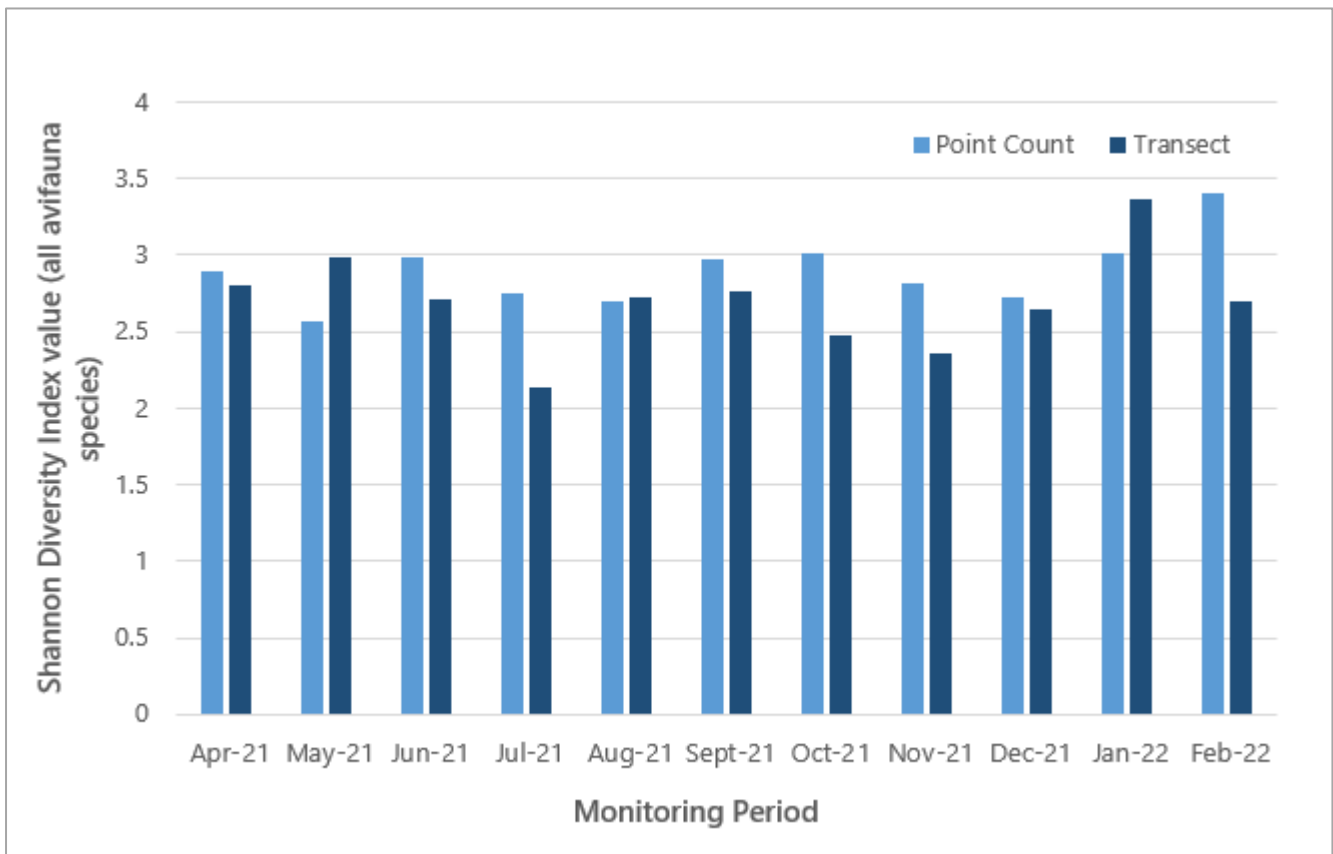
Appendix F.5.1 Species richness of all avifauna species throughout the monitoring period



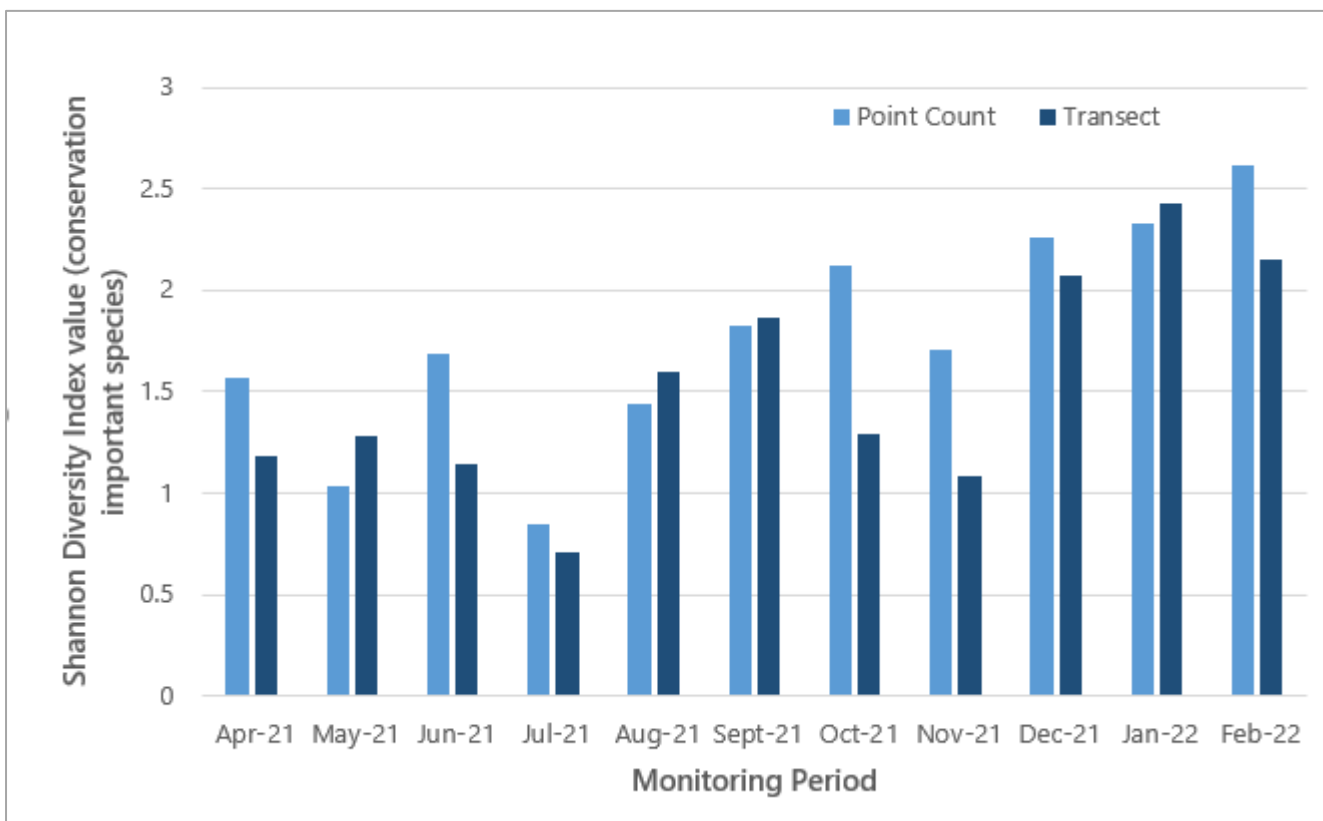
Appendix F.5.2 Species richness of avifauna species with conservation importance throughout the monitoring period



Appendix F.6.1 Shannon Diversity Index values of all avifauna species throughout the monitoring period



Appendix F.6.2 Shannon Diversity Index values of avifauna species with conservation importance throughout the monitoring period



Appendix F.7 Two-tailed Unpaired T-test

Formula:

$$t = \frac{\bar{X}_1 - \bar{X}_2}{\sqrt{\left(\frac{(N_1 - 1)s_1^2 + (N_2 - 1)s_2^2}{N_1 + N_2 - 2}\right)\left(\frac{1}{N_1} + \frac{1}{N_2}\right)}}$$

Appendix F.7.1 Abundance of avifauna species with conservation importance – Point Count Method

Months	February 2017	February 2022
N	78	55
df	77	54
M	5.73	6.07
SS	5955.35	2179.71
S ²	77.34	40.36
t-value	-0.25	
p-value	0.81	
Notes: N: Number of samples/observation df: Degrees of freedom M: Mean SS: Sum of Squares S ² : Measure on a random sample that is used to estimate the variance of the population		

Appendix F.8. 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.8.1 Species diversity of all avifauna species – Point Count Method

Months	February 2017	February 2022
Total	447	334
N	26	20
H	2.68	2.62
S ² _H	0.002	0.001
t	1.09	
df	780.49	
Crit	1.96	
p	0.28	

Months	February 2017	February 2022
CI	0.09	0.08
Notes: Total: Total abundance N: Number of species H: Shannon Diversity Index S^2_H : variance t: t-value df: degrees of freedom Crit: critical value p: p-value CI: confidence interval		