
Air Quality Monitoring Results

1-hour TSP Monitoring Result 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-Jan-22	Fine	8:35	70	74	81	291	500
11-Jan-22	Cloudy	8:27	67	81	84		
17-Jan-22	Cloudy	8:30	60	53	49		
22-Jan-22	Cloudy	8:34	70	84	95		
28-Jan-22	Cloudy	8:30	88	91	81		
31-Jan-22	Cloudy	8:32	63	67	77		
		Min	49				
		Max	95				
		Average	74				

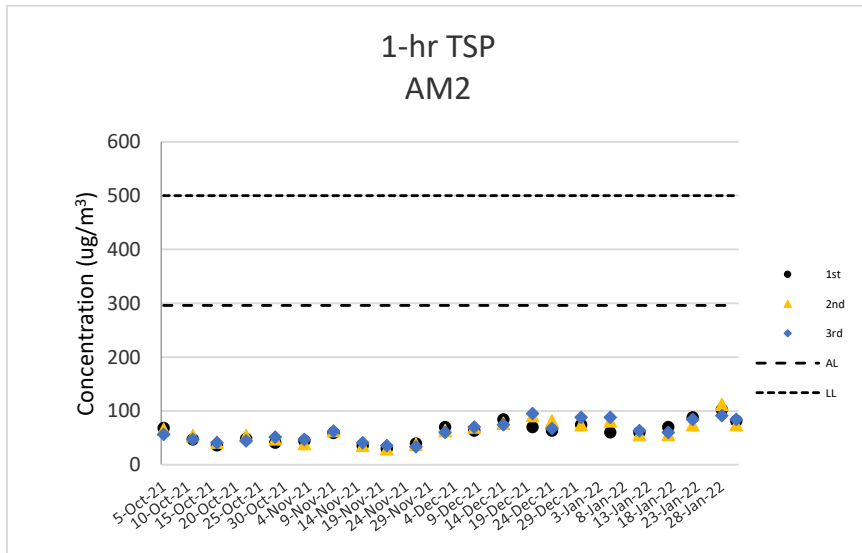
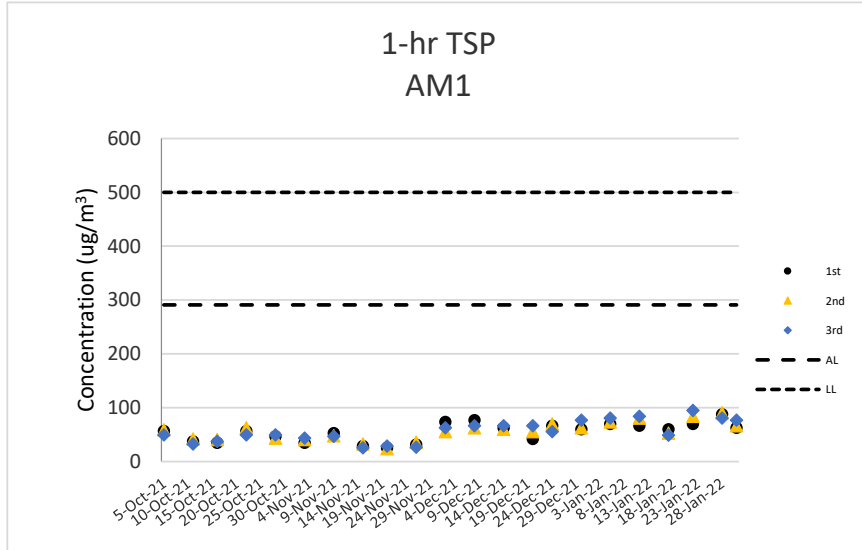
AM2 - Squatter house at the west of Yuen Long STW

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-Jan-22	Fine	8:47	60	81	88	296	500
11-Jan-22	Cloudy	8:41	60	56	63		
17-Jan-22	Cloudy	8:41	70	56	60		
22-Jan-22	Cloudy	8:46	88	74	84		
28-Jan-22	Cloudy	8:44	102	112	91		
31-Jan-22	Cloudy	8:45	81	74	84		
		Min	56				
		Max	112				
		Average	77				

Note:

Underline: Exceedance of Action Level

Underline and Bold: Exceedance of Limit Level



Noise Monitoring Results

**Noise Impact Monitoring Result 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)
5-Jan-22	10:16	54	55	51	0.1	Fine	75
11-Jan-22	9:18	56	59	51	0.6	Cloudy	75
17-Jan-22	10:04	54	56	51	0.2	Cloudy	75
28-Jan-22	10:07	54	56	51	0.2	Cloudy	75
31-Jan-22	10:05	53	55	50	0.1	Cloudy	75
	Max	56					
	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)
5-Jan-22	8:51	61	64	55	0.2	Fine	75
11-Jan-22	9:59	60	64	57	0.7	Cloudy	75
17-Jan-22	8:45	60	63	55	0.3	Cloudy	75
28-Jan-22	8:49	61	64	56	0.4	Cloudy	75
31-Jan-22	8:48	61	63	55	0.4	Cloudy	75
	Max	61					
	Min	60					

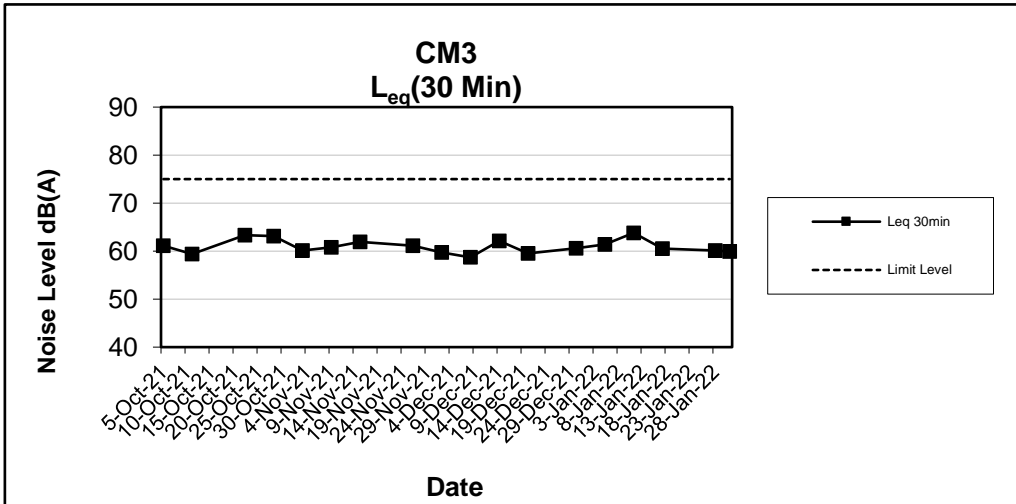
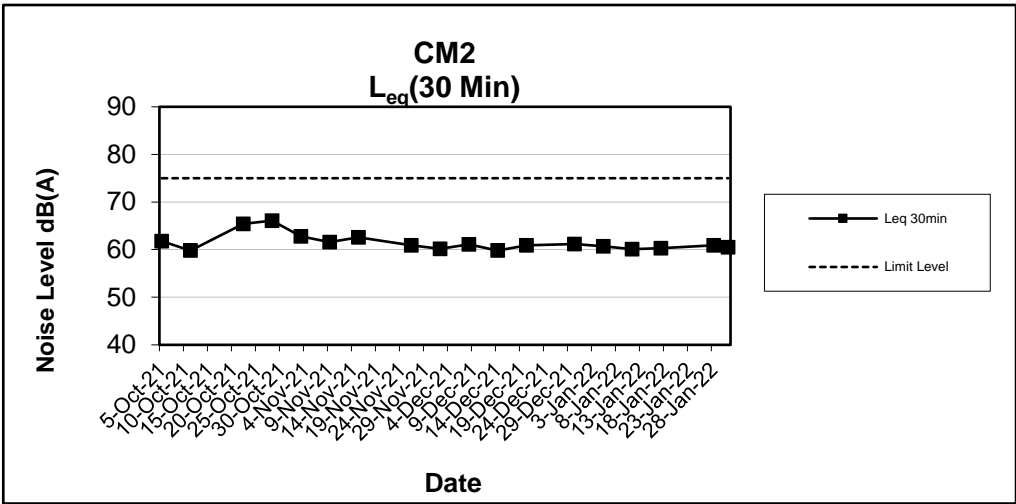
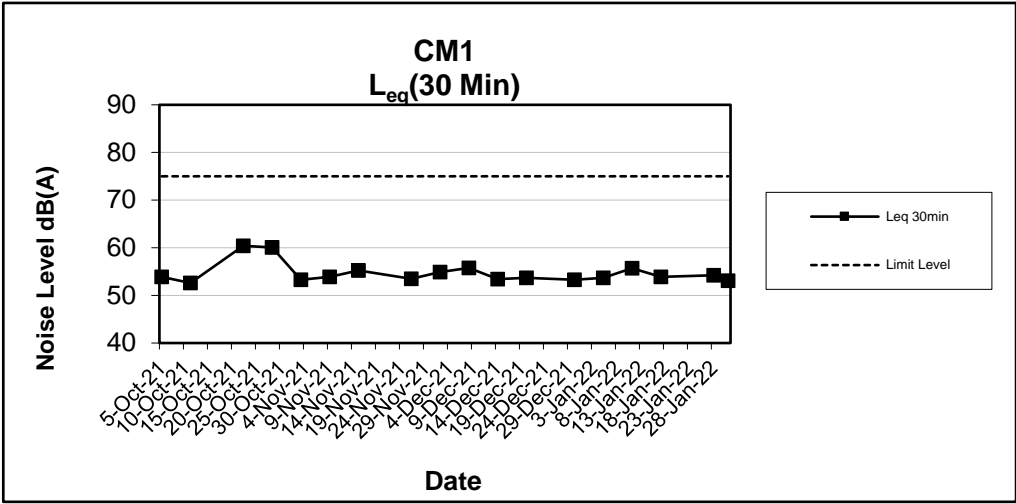
CM3 - Squatter house to the east of YLSTW

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)
5-Jan-22	13:04	61	65	56	0.2	Fine	75
11-Jan-22	10:52	64	66	61	0.6	Cloudy	75
17-Jan-22	11:29	61	64	55	0.3	Cloudy	75
28-Jan-22	11:27	60	63	55	0.4	Cloudy	75
31-Jan-22	11:28	60	63	55	0.3	Cloudy	75
	Max	64					
	Min	60					

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.



Water Quality Monitoring Results

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

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	1/1/2022	Mid-Flood	Fine	Moderate	7:46	1.1	M	0.55	1	0.07	145	7.27	7.28	10.71	10.70	19.36	19.39	43.1	42.8	3.73	3.70	32.5	32.4	39	38
M1	1/1/2022	Mid-Flood	Fine	Moderate	7:46	1.1	M	0.55	2			7.29		10.69		19.43		42.4		3.66		32.3		37	
M2	1/1/2022	Mid-Flood	Fine	Moderate	8:01	1.3	M	0.65	1	0.049	114	7.22	7.18	10.41	10.46	19.63	19.67	40.3	40.5	3.47	3.50	25.6	25.7	45	42
M2	1/1/2022	Mid-Flood	Fine	Moderate	8:01	1.3	M	0.65	2			7.14		10.51		19.71		40.7		3.52		25.7		39	
M3	1/1/2022	Mid-Flood	Cloudy	Smooth	7:39	0.2	M	0.1	1	0.193	86	7.06	7.06	9.68	9.68	17.01	17.02	48.1	48.0	4.15	4.14	25.0	25.3	39	39
M3	1/1/2022	Mid-Flood	Cloudy	Smooth	7:39	0.2	M	0.1	2			7.06		9.67		17.02		47.8		4.12		25.6		38	
M1	1/1/2022	Mid-Ebb	Fine	Moderate	13:13	0.8	M	0.4	1	0.046	292	7.15	7.19	9.72	9.69	19.84	19.76	39.1	39.3	3.34	3.36	35.9	35.7	18	20
M1	1/1/2022	Mid-Ebb	Fine	Moderate	13:13	0.8	M	0.4	2			7.23		9.66		19.69		39.4		3.37		35.4		21	
M2	1/1/2022	Mid-Ebb	Fine	Moderate	12:53	0.9	M	0.45	1	0.073	264	7.14	7.18	10.11	10.09	19.86	19.64	37.2	37.7	3.19	3.22	36.9	36.7	50	49
M2	1/1/2022	Mid-Ebb	Fine	Moderate	12:53	0.9	M	0.45	2			7.22		10.06		19.41		38.2		3.24		36.4		48	
M3	1/1/2022	Mid-Ebb	Cloudy	Smooth	12:51	0.4	M	0.2	1	0.178	251	7.28	7.29	9.22	9.23	21.64	21.65	41.5	41.9	3.56	3.60	19.4	20.1	27	29
M3	1/1/2022	Mid-Ebb	Cloudy	Smooth	12:51	0.4	M	0.2	2			7.29		9.24		21.65		42.3		3.64		20.8		31	

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

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	4/1/2022	Mid-Flood	Cloudy	Smooth	10:17	2	M	1	1	0.264	269	7.22	7.23	12.63	12.62	19.70	19.71	41.4	41.1	3.51	3.48	23.1	23.4	52	51
M1	4/1/2022	Mid-Flood	Cloudy	Smooth	10:17	2	M	1	2			7.23	7.23	12.61	12.62	19.71	19.71	40.7	41.1	3.45	3.48	23.6	23.4	49	51
M2	4/1/2022	Mid-Flood	Cloudy	Smooth	10:32	1	M	0.5	1	0.235	256	7.16	7.17	12.15	12.15	19.92	19.93	46.2	45.7	3.92	3.88	25.5	25.9	47	45
M2	4/1/2022	Mid-Flood	Cloudy	Smooth	10:32	1	M	0.5	2			7.17	7.17	12.15	12.15	19.93	19.93	45.2	45.7	3.84	3.88	26.4	26.4	42	45
M3	4/1/2022	Mid-Flood	Fine	Moderate	10:10	1.1	M	0.55	1	0.065	135	7.11	7.12	11.97	11.96	19.81	19.76	41.7	41.5	3.62	3.60	34.5	34.5	45	43
M3	4/1/2022	Mid-Flood	Fine	Moderate	10:10	1.1	M	0.55	2			7.12	7.12	11.94	11.96	19.71	19.76	41.3	41.5	3.58	3.60	34.4	34.5	41	43
M1	4/1/2022	Mid-Ebb	Cloudy	Smooth	15:22	2.2	M	1.1	1	0.2	291	7.27	7.28	10.18	10.19	24.60	24.59	34.7	35.3	2.94	2.98	29.7	29.4	33	33
M1	4/1/2022	Mid-Ebb	Cloudy	Smooth	15:22	2.2	M	1.1	2			7.28	7.28	10.19	10.19	24.58	24.58	35.8	35.3	3.02	2.98	29.2	29.4	33	33
M2	4/1/2022	Mid-Ebb	Cloudy	Smooth	15:03	1.2	M	0.6	1	0.186	204	7.34	7.35	10.73	10.72	24.13	24.13	36.6	36.8	3.08	3.10	24.1	24.4	26	29
M2	4/1/2022	Mid-Ebb	Cloudy	Smooth	15:03	1.2	M	0.6	2			7.35	7.35	10.71	10.72	24.12	24.12	36.9	36.8	3.11	3.10	24.6	24.4	32	29
M3	4/1/2022	Mid-Ebb	Fine	Moderate	15:02	0.9	M	0.45	1	0.049	125	7.22	7.20	11.06	11.06	20.28	20.28	51.4	51.1	4.35	4.33	34.6	34.7	28	28
M3	4/1/2022	Mid-Ebb	Fine	Moderate	15:02	0.9	M	0.45	2			7.18	7.18	11.05	11.06	20.28	20.28	50.8	51.1	4.30	4.33	34.8	34.7	28	28

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

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

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	6/1/2022	Mid-Flood	Fine	Smooth	11:31	2	M	1	1	0.279	298	7.37	7.36	11.37	11.38	21.48	21.48	49.6	48.8	4.10	4.03	15.4	15.5	13	14
M1	6/1/2022	Mid-Flood	Fine	Smooth	11:31	2	M	1	2			7.35	7.30	11.38	10.57	21.47	21.70	47.9	51.8	3.96	4.30	15.7	20.4	15	21
M2	6/1/2022	Mid-Flood	Fine	Smooth	11:52	1	M	0.5	1	0.259	226	7.30	7.30	10.57	10.56	21.69	21.70	51.8	52.3	4.30	4.34	20.4	20.6	21	22
M2	6/1/2022	Mid-Flood	Fine	Smooth	11:52	1	M	0.5	2			7.29	7.26	10.55	10.56	21.71	21.70	52.7	52.7	4.37	4.34	20.7	20.6	23	22
M3	6/1/2022	Mid-Flood	Fine	Moderate	11:40	1.2	M	0.6	1	0.069	176	7.26	7.26	11.05	11.06	21.65	21.65	61.5	62.1	5.08	5.10	15.4	15.4	39	41
M3	6/1/2022	Mid-Flood	Fine	Moderate	11:40	1.2	M	0.6	2			7.25	7.26	11.06	11.06	21.65	21.65	62.7	62.1	5.12	5.10	15.4	15.4	42	41
M1	6/1/2022	Mid-Ebb	Fine	Smooth	16:58	2.2	M	1.1	1	0.216	273	7.22	7.22	8.51	8.52	24.21	24.21	54.2	54.7	4.48	4.52	28.4	28.2	38	38
M1	6/1/2022	Mid-Ebb	Fine	Smooth	16:58	2.2	M	1.1	2			7.21	7.15	8.53	8.52	24.20	24.21	55.1	54.7	4.55	4.52	28.1	28.2	38	38
M2	6/1/2022	Mid-Ebb	Fine	Smooth	16:38	1.2	M	0.6	1	0.2	183	7.15	7.16	8.86	8.86	24.02	24.03	47.5	47.9	3.93	3.96	24.0	24.4	33	34
M2	6/1/2022	Mid-Ebb	Fine	Smooth	16:38	1.2	M	0.6	2			7.16	7.16	8.86	8.86	24.03	24.03	48.2	47.9	3.99	3.96	24.7	24.4	35	34
M3	6/1/2022	Mid-Ebb	Fine	Moderate	16:50	0.9	M	0.45	1	0.104	266	7.23	7.24	10.69	10.62	21.44	21.51	57.5	57.4	4.74	4.72	28.4	28.4	21	22
M3	6/1/2022	Mid-Ebb	Fine	Moderate	16:50	0.9	M	0.45	2			7.24	7.24	10.54	10.62	21.57	21.51	57.2	57.4	4.70	4.72	28.3	28.4	22	22

Remark

1. Orange and Bold: Action Level Exceedance (For Impact Station Only)
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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

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

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	8/1/2022	Mid-Flood	Fine	Moderate	13:02	1.4	M	0.7	1	0.06	145	7.09	7.09	7.84	7.85	21.86	21.86	38.4	38.7	3.37	3.39	31.5	31.4	35	37
M1	8/1/2022	Mid-Flood	Fine	Moderate	13:02	1.4	M	0.7	2			7.08		7.86		21.85		38.9		3.41		31.4		38	
M2	8/1/2022	Mid-Flood	Fine	Moderate	13:21	1.2	M	0.6	1	0.048	75	7.08	7.09	7.25	7.25	21.85	21.84	36.8	37.0	3.29	3.32	31.6	31.5	48	47
M2	8/1/2022	Mid-Flood	Fine	Moderate	13:21	1.2	M	0.6	2			7.09		7.24		21.83		37.2		3.34		31.5		46	
M3	8/1/2022	Mid-Flood	Cloudy	Calm	13:06	0.2	M	0.1	1	0.211	96	7.12	7.13	7.14	7.15	22.19	22.20	55.8	55.5	4.80	4.77	28.8	29.4	37	36
M3	8/1/2022	Mid-Flood	Cloudy	Calm	13:06	0.2	M	0.1	2			7.13		7.16		22.21		55.1		4.74		30.0		35	
M1	8/1/2022	Mid-Ebb	Fine	Moderate	19:00	1.1	M	0.55	1	0.052	71	7.04	7.04	10.17	10.17	20.02	20.02	39.2	39.4	3.54	3.56	18.1	18.1	15	15
M1	8/1/2022	Mid-Ebb	Fine	Moderate	19:00	1.1	M	0.55	2			7.03		10.16		20.01		39.6		3.58		18.2		14	
M2	8/1/2022	Mid-Ebb	Fine	Moderate	18:40	0.9	M	0.45	1	0.042	314	7.07	7.07	10.30	10.29	20.02	20.04	40.7	40.6	3.62	3.60	21.9	21.9	33	34
M2	8/1/2022	Mid-Ebb	Fine	Moderate	18:40	0.9	M	0.45	2			7.06		10.27		20.05		40.4		3.58		22.0		35	
M3	8/1/2022	Mid-Ebb	Cloudy	Calm	18:42	0.4	M	0.2	1	0.175	263	7.31	7.31	6.31	6.31	20.68	20.68	50.5	50.7	4.28	4.30	17.4	17.6	35	34
M3	8/1/2022	Mid-Ebb	Cloudy	Calm	18:42	0.4	M	0.2	2			7.30		6.30		20.67		50.9		4.31		17.9		33	

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

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

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	11/1/2022	Mid-Flood	Cloudy	Smooth	15:09	2.2	M	1.1	1	0.206	305	7.13	7.14	6.18	6.19	20.74	20.74	35.4	35.8	3.13	3.16	20.6	20.5	18	19
M1	11/1/2022	Mid-Flood	Cloudy	Smooth	15:09	2.2	M	1.1	2			7.14		6.19		20.73		36.1		3.19		20.5		20	
M2	11/1/2022	Mid-Flood	Cloudy	Smooth	15:25	1.2	M	0.6	1	0.196	248	7.20	7.20	6.30	6.31	20.41	20.42	31.8	32.2	2.85	2.88	22.1	22.1	26	27
M2	11/1/2022	Mid-Flood	Cloudy	Smooth	15:25	1.2	M	0.6	2			7.19		6.32		20.42		32.5		2.91		22.1		27	
M3	11/1/2022	Mid-Flood	Fine	Smooth	15:11	1.1	M	0.55	1	0.089	71	7.30	7.30	5.16	5.16	19.31	19.33	45.9	45.4	4.11	4.06	28.9	28.9	40	39
M3	11/1/2022	Mid-Flood	Fine	Smooth	15:11	1.1	M	0.55	2			7.29		5.15		19.36		44.9		4.01		29.0		37	
M1	11/1/2022	Mid-Ebb	Cloudy	Smooth	7:48	2	M	1	1	0.185	225	7.28	7.27	4.92	4.93	15.90	15.89	43.0	43.4	3.89	3.93	25.4	25.9	27	26
M1	11/1/2022	Mid-Ebb	Cloudy	Smooth	7:48	2	M	1	2			7.26		4.93		15.88		43.8		3.96		26.3		25	
M2	11/1/2022	Mid-Ebb	Cloudy	Smooth	8:08	1	M	0.5	1	0.176	132	7.32	7.33	5.12	5.13	16.23	16.24	40.1	40.3	3.63	3.65	23.1	23.1	24	24
M2	11/1/2022	Mid-Ebb	Cloudy	Smooth	8:08	1	M	0.5	2			7.33		5.14		16.24		40.4		3.66		23.1		23	
M3	11/1/2022	Mid-Ebb	Fine	Smooth	7:42	0.9	M	0.45	1	0.034	138	7.27	7.27	5.34	5.35	19.16	19.17	48.3	48.0	4.33	4.31	24.9	24.9	35	37
M3	11/1/2022	Mid-Ebb	Fine	Smooth	7:42	0.9	M	0.45	2			7.26		5.35		19.17		47.7		4.28		25.0		38	

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

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

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	13/1/2022	Mid-Flood	Fine	Moderate	6:14	1.1	M	0.55	1	0.064	143	7.21	7.22	7.44	7.42	18.99	18.92	40.6	40.9	3.24	3.31	15.6	15.7	27	27
M1	13/1/2022	Mid-Flood	Fine	Moderate	6:14	1.1	M	0.55	2			7.22		7.39		18.84		41.1		3.37		15.7		26	
M2	13/1/2022	Mid-Flood	Fine	Moderate	6:33	1.3	M	0.65	1	0.053	184	7.23	7.24	7.52	7.52	19.12	19.13	41.4	41.6	3.28	3.30	15.7	15.8	28	28
M2	13/1/2022	Mid-Flood	Fine	Moderate	6:33	1.3	M	0.65	2			7.24		7.51		19.14		41.8		3.31		15.8		28	
M3	13/1/2022	Mid-Flood	Cloudy	Calm	5:57	0.2	M	0.1	1	0.178	83	7.37	7.37	4.30	4.31	15.35	15.36	51.1	50.9	4.82	4.80	17.9	17.5	16	16
M3	13/1/2022	Mid-Flood	Cloudy	Calm	5:57	0.2	M	0.1	2			7.37		4.32		15.37		50.6		4.77		17.1		16	
M1	13/1/2022	Mid-Ebb	Fine	Moderate	11:08	0.9	M	0.45	1	0.042	50	7.34	7.33	7.03	7.03	18.56	18.56	47.2	47.3	3.61	3.62	17.1	17.1	19	20
M1	13/1/2022	Mid-Ebb	Fine	Moderate	11:08	0.9	M	0.45	2			7.32		7.02		18.56		47.4		3.63		17.1		20	
M2	13/1/2022	Mid-Ebb	Fine	Moderate	10:49	1	M	0.5	1	0.034	173	7.24	7.26	6.98	6.96	18.56	18.56	46.7	46.8	3.54	3.56	16.8	16.8	21	19
M2	13/1/2022	Mid-Ebb	Fine	Moderate	10:49	1	M	0.5	2			7.28		6.94		18.56		46.9		3.57		16.8		17	
M3	13/1/2022	Mid-Ebb	Cloudy	Calm	10:45	0.4	M	0.2	1	0.169	254	7.20	7.21	3.24	3.25	18.80	18.80	46.6	46.3	4.37	4.34	27.6	28.2	30	32
M3	13/1/2022	Mid-Ebb	Cloudy	Calm	10:45	0.4	M	0.2	2			7.21		3.25		18.79		45.9		4.31		28.9		33	

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

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

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	15/1/2022	Mid-Flood	Fine	Moderate	7:44	1.2	M	0.6	1	0.047	124	7.13	7.14	10.15	10.15	20.36	20.36	41.2	41.3	3.51	3.52	19.6	19.5	36	35
M1	15/1/2022	Mid-Flood	Fine	Moderate	7:44	1.2	M	0.6	2			7.14	7.14	10.14	10.15	20.37	20.36	41.4	41.3	3.53	3.52	19.5	19.5	34	35
M2	15/1/2022	Mid-Flood	Fine	Moderate	8:03	1.4	M	0.7	1	0.053	75	7.12	7.12	10.16	10.18	19.64	19.64	43.4	43.7	3.52	3.53	19.4	19.4	23	23
M2	15/1/2022	Mid-Flood	Fine	Moderate	8:03	1.4	M	0.7	2			7.11	7.11	10.19	10.18	19.64	19.64	43.9	43.7	3.54	3.53	19.4	19.4	22	23
M3	15/1/2022	Mid-Flood	Cloudy	Calm	7:52	0.2	M	0.1	1	0.21	78	7.08	7.09	4.41	4.41	16.07	16.08	57.2	57.0	5.24	5.22	24.9	25.1	15	14
M3	15/1/2022	Mid-Flood	Cloudy	Calm	7:52	0.2	M	0.1	2			7.09	7.09	4.40	4.41	16.09	16.08	56.7	57.0	5.20	5.22	25.3	25.1	13	14
M1	15/1/2022	Mid-Ebb	Fine	Moderate	12:40	0.8	M	0.4	1	0.04	247	7.40	7.41	11.12	11.13	20.09	20.09	58.5	58.5	4.98	4.97	18.2	18.3	23	23
M1	15/1/2022	Mid-Ebb	Fine	Moderate	12:40	0.8	M	0.4	2			7.41	7.41	11.13	11.13	20.08	20.09	58.4	58.5	4.96	4.97	18.3	18.3	22	23
M2	15/1/2022	Mid-Ebb	Fine	Moderate	12:20	0.9	M	0.45	1	0.062	197	7.30	7.30	11.06	11.05	18.90	18.91	47.6	47.4	4.06	4.04	19.1	19.1	19	20
M2	15/1/2022	Mid-Ebb	Fine	Moderate	12:20	0.9	M	0.45	2			7.29	7.29	11.04	11.05	18.91	18.91	47.2	47.4	4.01	4.04	19.0	19.1	19	20
M3	15/1/2022	Mid-Ebb	Cloudy	Calm	12:20	0.4	M	0.2	1	0.175	245	7.26	7.27	5.97	5.98	20.49	20.50	42.3	42.1	3.83	3.82	30.4	30.9	33	35
M3	15/1/2022	Mid-Ebb	Cloudy	Calm	12:20	0.4	M	0.2	2			7.27	7.27	5.99	5.98	20.50	20.50	41.9	42.1	3.80	3.82	31.5	30.9	36	35

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis			
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	18/1/2022	Mid-Flood	Cloudy	Smooth	9:28	2	M	1	1	0.251	345	7.32	7.33	11.33	11.33	17.93	17.94	51.4	50.9	4.47	4.42	23.6	23.4	28	29
M1	18/1/2022	Mid-Flood	Cloudy	Smooth	9:28	2	M	1	2			7.34	7.33	11.32	11.33	17.95	17.94	50.3	50.9	4.36	4.42	23.2	23.4	30	
M2	18/1/2022	Mid-Flood	Cloudy	Smooth	9:43	1	M	0.5	1	0.238	279	7.28	7.28	11.65	11.66	17.61	17.62	39.2	39.0	3.42	3.41	26.7	26.6	31	33
M2	18/1/2022	Mid-Flood	Cloudy	Smooth	9:43	1	M	0.5	2			7.27	7.28	11.67	11.66	17.62	17.62	38.8	39.0	3.39	3.41	26.5	26.6	35	
M3	18/1/2022	Mid-Flood	Fine	Moderate	9:20	1.1	M	0.55	1	0.064	103	7.11	7.11	11.31	11.36	18.98	18.99	47.4	46.5	4.12	4.04	20.9	21.1	26	28
M3	18/1/2022	Mid-Flood	Fine	Moderate	9:20	1.1	M	0.55	2			7.10	7.11	11.40	11.36	19.01	18.99	45.6	46.5	3.95	4.04	21.2	21.1	29	
M1	18/1/2022	Mid-Ebb	Cloudy	Smooth	14:15	2.2	M	1.1	1	0.201	242	7.18	7.17	9.52	9.53	20.34	20.34	43.1	43.5	3.74	3.77	25.1	25.0	28	28
M1	18/1/2022	Mid-Ebb	Cloudy	Smooth	14:15	2.2	M	1.1	2			7.16	7.17	9.53	9.53	20.33	20.34	43.8	43.5	3.80	3.77	24.9	25.0	28	
M2	18/1/2022	Mid-Ebb	Cloudy	Smooth	13:59	1.2	M	0.6	1	0.19	204	7.11	7.11	9.82	9.81	20.07	20.08	46.6	46.9	4.05	4.07	22.1	22.2	30	29
M2	18/1/2022	Mid-Ebb	Cloudy	Smooth	13:59	1.2	M	0.6	2			7.11	7.11	9.80	9.81	20.08	20.08	47.1	46.9	4.09	4.07	22.3	22.2	27	
M3	18/1/2022	Mid-Ebb	Fine	Moderate	14:00	0.8	M	0.4	1	0.033	73	7.20	7.21	11.55	11.57	18.80	18.80	62.5	62.5	5.44	5.43	25.8	25.8	31	31
M3	18/1/2022	Mid-Ebb	Fine	Moderate	14:00	0.8	M	0.4	2			7.21	7.21	11.59	11.57	18.80	18.80	62.4	62.5	5.41	5.43	25.8	25.8	31	

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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

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	20/1/2022	Mid-Flood	Fine	Moderate	10:22	1.1	M	0.55	1	0.052	175	7.23	7.24	10.30	10.31	18.93	18.94	41.7	41.7	3.42	3.41	22.8	22.9	31	29
M1	20/1/2022	Mid-Flood	Fine	Moderate	10:22	1.1	M	0.55	2			7.24		10.31		18.94		41.6		3.40		22.9		27	
M2	20/1/2022	Mid-Flood	Fine	Moderate	10:36	1.4	M	0.7	1	0.062	42	7.22	7.23	10.21	10.19	18.86	18.84	44.7	44.5	3.63	3.62	24.1	24.1	29	29
M2	20/1/2022	Mid-Flood	Fine	Moderate	10:36	1.4	M	0.7	2			7.24		10.16		18.81		44.2		3.60		24.2		28	
M3	20/1/2022	Mid-Flood	Fine	Calm	10:22	0.2	M	0.1	1	0.229	92	7.03	7.04	9.46	9.46	18.81	18.82	55.7	55.2	4.87	4.83	18.4	18.7	27	28
M3	20/1/2022	Mid-Flood	Fine	Calm	10:22	0.2	M	0.1	2			7.05		9.45		18.82		54.7		4.79		19.0		28	
M1	20/1/2022	Mid-Ebb	Fine	Moderate	15:40	1	M	0.5	1	0.068	104	7.28	7.29	9.92	9.92	19.07	19.07	43.2	43.2	3.65	3.65	32.6	32.6	33	32
M1	20/1/2022	Mid-Ebb	Fine	Moderate	15:40	1	M	0.5	2			7.29		9.91		19.06		43.1		3.64		32.5		30	
M2	20/1/2022	Mid-Ebb	Fine	Moderate	15:21	0.9	M	0.45	1	0.097	277	7.24	7.24	9.85	9.85	19.12	19.13	45.7	45.7	3.84	3.84	31.8	31.5	11	12
M2	20/1/2022	Mid-Ebb	Fine	Moderate	15:21	0.9	M	0.45	2			7.23		9.84		19.13		45.6		3.83		31.3		13	
M3	20/1/2022	Mid-Ebb	Fine	Calm	15:18	0.4	M	0.2	1	0.192	257	7.11	7.12	8.64	8.63	22.49	22.50	48.7	49.1	4.26	4.29	22.9	22.6	35	33
M3	20/1/2022	Mid-Ebb	Fine	Calm	15:18	0.4	M	0.2	2			7.12		8.61		22.50		49.5		4.32		22.2		31	

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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

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	22/1/2022	Mid-Flood	Fine	Moderate	11:23	0.9	M	0.45	1	0.07	144	7.21	7.23	11.75	11.69	19.79	19.79	44.9	45.1	3.61	3.63	22.0	21.2	32	30
M1	22/1/2022	Mid-Flood	Fine	Moderate	11:23	0.9	M	0.45	2			7.24	7.23	11.62	11.69	19.79	19.79	45.2	45.1	3.64	3.63	20.4	21.2	28	
M2	22/1/2022	Mid-Flood	Fine	Moderate	11:47	1.1	M	0.55	1	0.056	48	7.20	7.21	10.64	10.65	19.46	19.49	46.7	46.6	3.72	3.71	20.9	20.8	27	27
M2	22/1/2022	Mid-Flood	Fine	Moderate	11:47	1.1	M	0.55	2			7.21	7.21	10.66	10.65	19.52	19.49	46.4	46.6	3.70	3.71	20.6	20.8	27	
M3	22/1/2022	Mid-Flood	Cloudy	Calm	11:18	0.2	M	0.1	1	0.221	70	7.16	7.17	9.44	9.45	19.93	19.93	46.4	46.7	3.95	3.97	22.3	22.5	13	14
M3	22/1/2022	Mid-Flood	Cloudy	Calm	11:18	0.2	M	0.1	2			7.17	7.17	9.46	9.45	19.93	19.93	46.9	46.7	3.99	3.97	22.6	22.5	15	
M1	22/1/2022	Mid-Ebb	Fine	Moderate	16:53	0.8	M	0.4	1	0.082	314	7.21	7.21	11.35	11.35	20.00	20.00	40.2	40.8	3.51	3.57	27.1	27.1	21	23
M1	22/1/2022	Mid-Ebb	Fine	Moderate	16:53	0.8	M	0.4	2			7.20	7.21	11.34	11.35	20.00	20.00	41.3	40.8	3.62	3.57	27.1	27.1	24	
M2	22/1/2022	Mid-Ebb	Fine	Moderate	16:34	0.9	M	0.45	1	0.045	134	7.31	7.32	10.41	10.43	20.00	20.00	39.7	39.3	3.46	3.44	27.6	27.6	21	21
M2	22/1/2022	Mid-Ebb	Fine	Moderate	16:34	0.9	M	0.45	2			7.32	7.32	10.44	10.43	20.00	20.00	38.8	39.3	3.42	3.44	27.6	27.6	20	
M3	22/1/2022	Mid-Ebb	Cloudy	Calm	16:34	0.4	M	0.2	1	0.18	238	7.25	7.25	9.10	9.10	20.86	20.87	50.6	50.9	4.29	4.31	25.4	26.1	8	8
M3	22/1/2022	Mid-Ebb	Cloudy	Calm	16:34	0.4	M	0.2	2			7.24	7.24	9.09	9.10	20.87	20.87	51.2	50.9	4.33	4.31	26.8	26.1	8	

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

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

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	25/1/2022	Mid-Flood	Cloudy	Smooth	13:12	2.4	M	1.2	1	0.277	313	7.37	7.36	9.03	9.03	21.70	21.70	41.7	42.0	3.57	3.59	15.3	15.5	22	20
M1	25/1/2022	Mid-Flood	Cloudy	Smooth	13:12	2.4	M	1.2	2			7.35		9.03		21.70		42.2		3.61		15.8		18	
M2	25/1/2022	Mid-Flood	Cloudy	Smooth	12:52	1.2	M	0.6	1	0.259	270	7.41	7.42	9.28	9.28	21.27	21.28	34.9	35.3	2.99	3.02	21.4	21.4	21	20
M2	25/1/2022	Mid-Flood	Cloudy	Smooth	12:52	1.2	M	0.6	2			7.43		9.27		21.28		35.7		3.05		21.5		18	
M3	25/1/2022	Mid-Flood	Cloudy	Smooth	12:59	1.2	M	0.6	1	0.054	247	7.32	7.32	8.14	8.14	20.61	20.62	47.5	47.4	4.07	4.06	20.4	20.4	19	20
M3	25/1/2022	Mid-Flood	Cloudy	Smooth	12:59	1.2	M	0.6	2			7.32		8.14		20.62		47.3		4.05		20.4		20	
M1	25/1/2022	Mid-Ebb	Cloudy	Smooth	6:20	2.2	M	1.1	1	0.247	256	7.25	7.25	8.17	8.16	18.14	18.14	46.1	46.0	3.99	3.98	13.9	13.8	20	20
M1	25/1/2022	Mid-Ebb	Cloudy	Smooth	6:20	2.2	M	1.1	2			7.24		8.15		18.13		45.8		3.96		13.7		20	
M2	25/1/2022	Mid-Ebb	Cloudy	Smooth	6:35	1.2	M	0.6	1	0.23	177	7.31	7.31	7.72	7.73	18.65	18.66	40.5	40.0	3.48	3.43	11.6	11.7	11	12
M2	25/1/2022	Mid-Ebb	Cloudy	Smooth	6:35	1.2	M	0.6	2			7.30		7.73		18.66		39.4		3.38		11.8		12	
M3	25/1/2022	Mid-Ebb	Cloudy	Smooth	6:16	0.7	M	0.35	1	0.061	93	7.30	7.30	7.77	7.77	19.62	19.63	40.7	40.7	3.42	3.41	13.4	13.4	19	18
M3	25/1/2022	Mid-Ebb	Cloudy	Smooth	6:16	0.7	M	0.35	2			7.30		7.77		19.65		40.7		3.40		13.5		17	

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

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

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	27/1/2022	Mid-Flood	Cloudy	Smooth	14:48	0.8	M	0.4	1	0.116	226	7.24	7.24	5.02	5.02	21.12	21.13	53.6	53.5	4.62	4.62	15.9	15.9	13	13
M1	27/1/2022	Mid-Flood	Cloudy	Smooth	14:48	0.8	M	0.4	2			7.24		5.02		21.13		53.4		4.61		15.9		12	
M2	27/1/2022	Mid-Flood	Cloudy	Smooth	14:28	0.9	M	0.45	1	0.103	218	7.27	7.27	5.06	5.06	21.01	21.01	58.5	58.4	5.09	5.08	16.6	16.6	15	14
M2	27/1/2022	Mid-Flood	Cloudy	Smooth	14:28	0.9	M	0.45	2			7.27		5.06		21.02		58.3		5.07		16.6		13	
M3	27/1/2022	Mid-Flood	Cloudy	Calm	14:29	0.6	M	0.3	1	0.232	80	7.34	7.33	7.14	7.14	25.02	25.03	53.8	54.0	4.64	4.66	16.5	16.5	16	17
M3	27/1/2022	Mid-Flood	Cloudy	Calm	14:29	0.6	M	0.3	2			7.32		7.13		25.03		54.2		4.67		16.4		18	
M1	27/1/2022	Mid-Ebb	Cloudy	Smooth	8:12	0.6	M	0.3	1	0.107	209	7.18	7.18	6.42	6.42	19.90	19.89	65.7	65.6	5.66	5.65	21.8	21.8	28	30
M1	27/1/2022	Mid-Ebb	Cloudy	Smooth	8:12	0.6	M	0.3	2			7.18		6.42		19.89		65.4		5.64		21.8		31	
M2	27/1/2022	Mid-Ebb	Cloudy	Smooth	8:29	0.8	M	0.4	1	0.125	100	7.16	7.16	5.70	5.70	20.03	20.04	63.4	63.3	5.47	5.46	20.4	20.3	23	24
M2	27/1/2022	Mid-Ebb	Cloudy	Smooth	8:29	0.8	M	0.4	2			7.16		5.70		20.04		63.1		5.45		20.3		24	
M3	27/1/2022	Mid-Ebb	Cloudy	Calm	8:21	0.2	M	0.1	1	0.183	254	7.13	7.13	5.71	5.72	19.36	19.37	46.1	45.9	3.98	3.96	18.8	18.9	16	16
M3	27/1/2022	Mid-Ebb	Cloudy	Calm	8:21	0.2	M	0.1	2			7.12		5.73		19.38		45.6		3.94		19.1		16	

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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

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	29/1/2022	Mid-Flood	Fine	Calm	6:55	1	M	0.5	1	0.115	232	7.21	7.21	11.60	11.60	19.82	19.82	52.4	52.3	4.58	4.57	23.2	23.2	23	25
M1	29/1/2022	Mid-Flood	Fine	Calm	6:55	1	M	0.5	2			7.21	7.21	11.60	11.60	19.82	19.82	52.2	52.3	4.56	4.57	23.2	23.2	27	25
M2	29/1/2022	Mid-Flood	Fine	Calm	7:16	1.2	M	0.6	1	0.093	224	7.43	7.43	9.91	9.91	19.86	19.86	53.8	53.9	4.69	4.69	13.5	13.5	10	10
M2	29/1/2022	Mid-Flood	Fine	Calm	7:16	1.2	M	0.6	2			7.43	7.43	9.91	9.91	19.86	19.86	53.9	53.9	4.69	4.69	13.5	13.5	9	10
M3	29/1/2022	Mid-Flood	Cloudy	Calm	6:49	0.2	M	0.1	1	0.216	90	7.09	7.08	11.12	11.13	19.07	19.08	56.4	55.9	4.74	4.70	14.5	14.1	18	19
M3	29/1/2022	Mid-Flood	Cloudy	Calm	6:49	0.2	M	0.1	2			7.06	7.08	11.14	11.13	19.08	19.08	55.4	55.9	4.65	4.70	13.6	14.1	19	19
M1	29/1/2022	Mid-Ebb	Fine	Calm	12:20	0.7	M	0.35	1	0.124	191	7.40	7.40	11.49	11.49	20.57	20.57	66.5	66.4	5.91	5.91	18.6	18.6	24	24
M1	29/1/2022	Mid-Ebb	Fine	Calm	12:20	0.7	M	0.35	2			7.40	7.40	11.49	11.49	20.58	20.58	66.3	66.4	5.90	5.91	18.6	18.6	24	24
M2	29/1/2022	Mid-Ebb	Fine	Calm	12:02	0.9	M	0.45	1	0.121	109	7.38	7.38	10.05	10.05	20.70	20.69	62.2	62.1	5.70	5.70	12.7	12.7	12	13
M2	29/1/2022	Mid-Ebb	Fine	Calm	12:02	0.9	M	0.45	2			7.38	7.38	10.05	10.05	20.69	20.69	62.0	62.1	5.69	5.70	12.7	12.7	13	13
M3	29/1/2022	Mid-Ebb	Cloudy	Calm	11:55	0.6	M	0.3	1	0.172	271	7.27	7.28	7.59	7.59	22.20	22.21	45.2	45.0	3.90	3.88	18.3	17.7	13	13
M3	29/1/2022	Mid-Ebb	Cloudy	Calm	11:55	0.6	M	0.3	2			7.28	7.28	7.58	7.59	22.21	22.21	44.8	45.0	3.86	3.88	17.2	17.7	13	13

Remark

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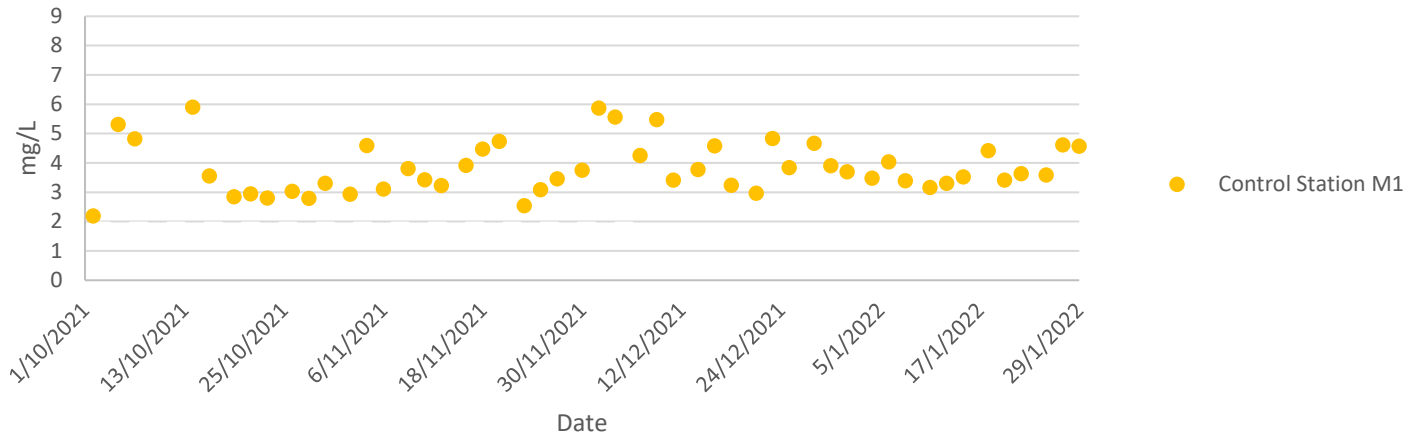
For Flood Tide

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

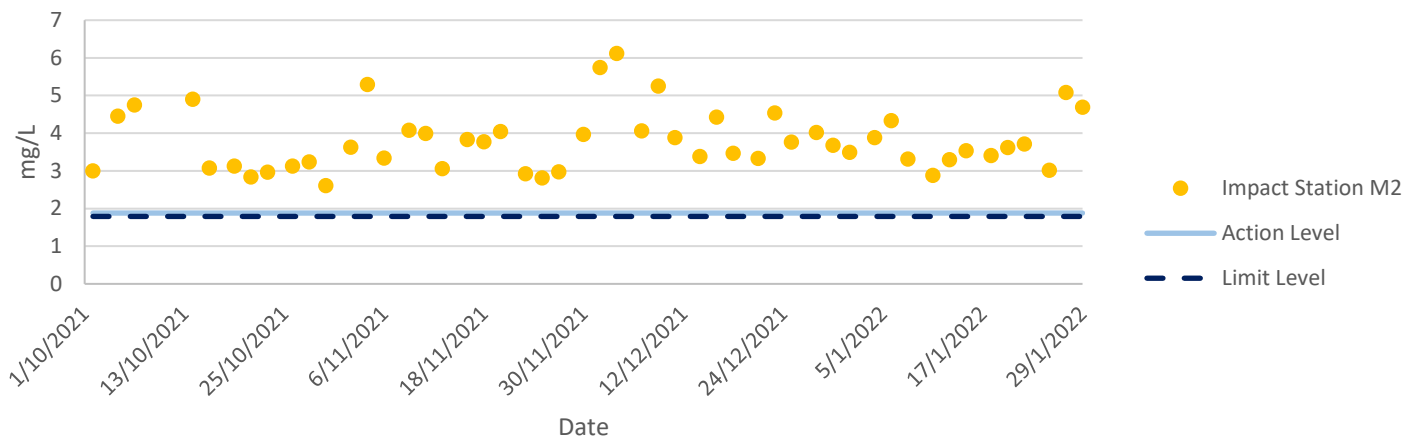
For Ebb Tide

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

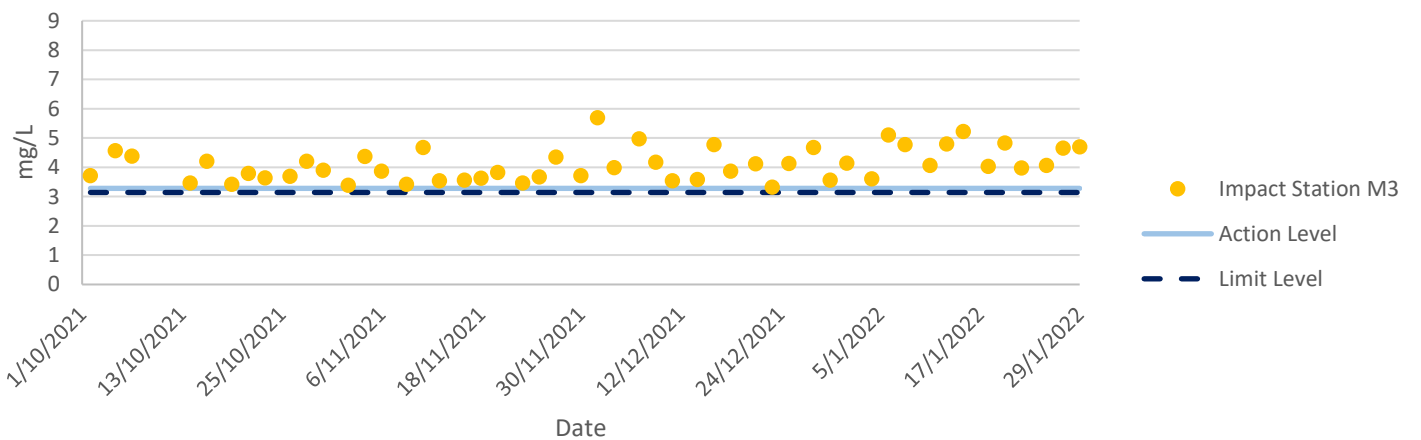
Dissolved Oxygen at Mid-Flood Tide



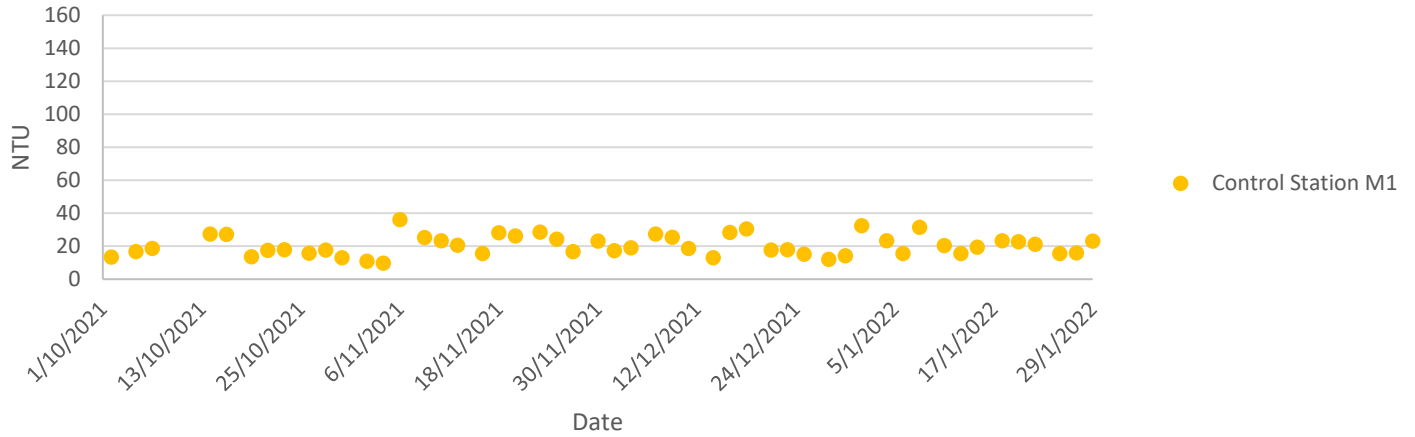
Dissolved Oxygen at Mid-Flood Tide



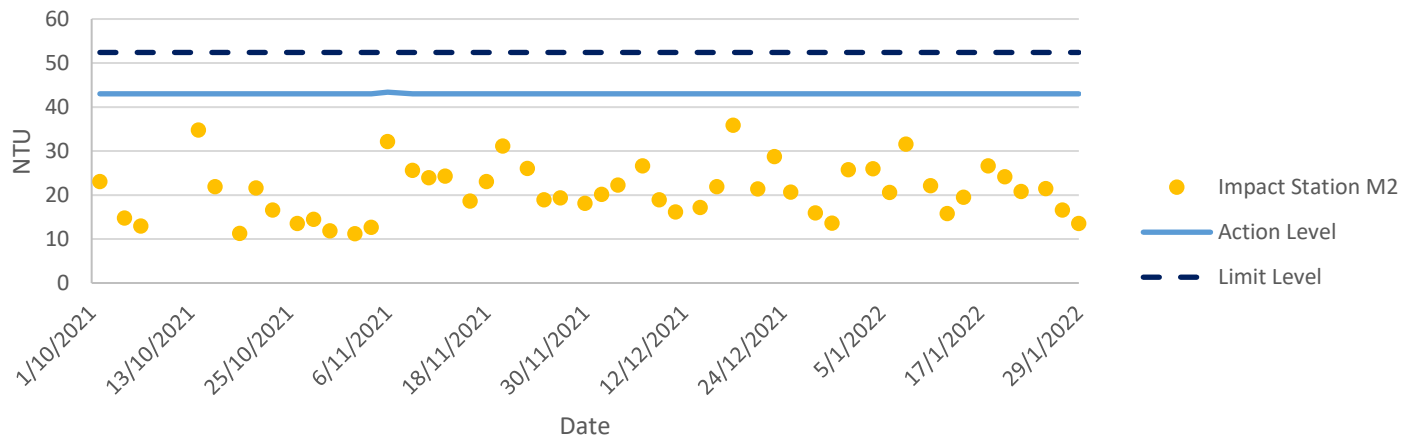
Dissolved Oxygen at Mid-Flood Tide



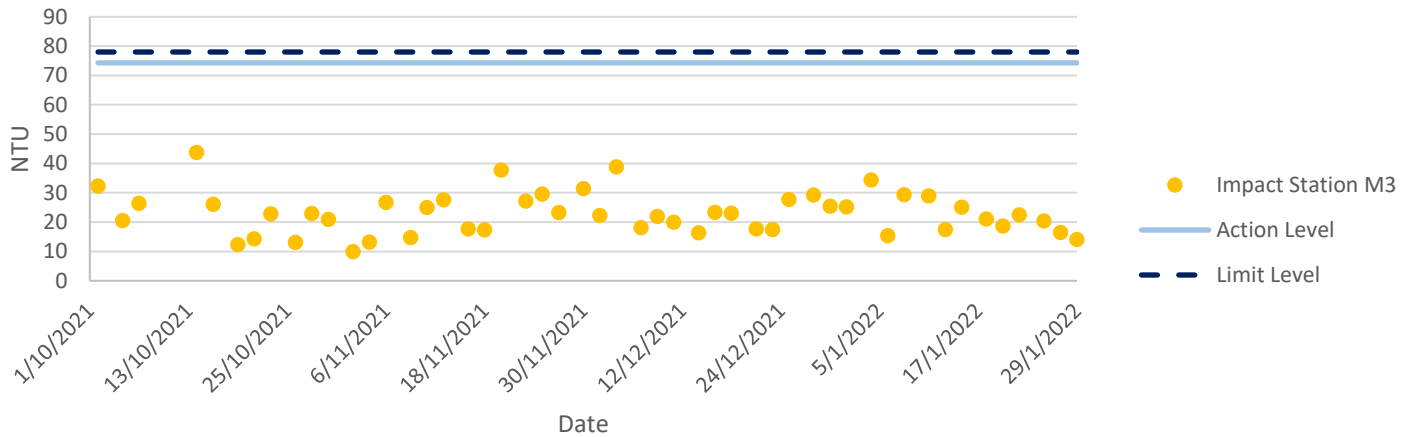
Turbidity at Mid-Flood Tide



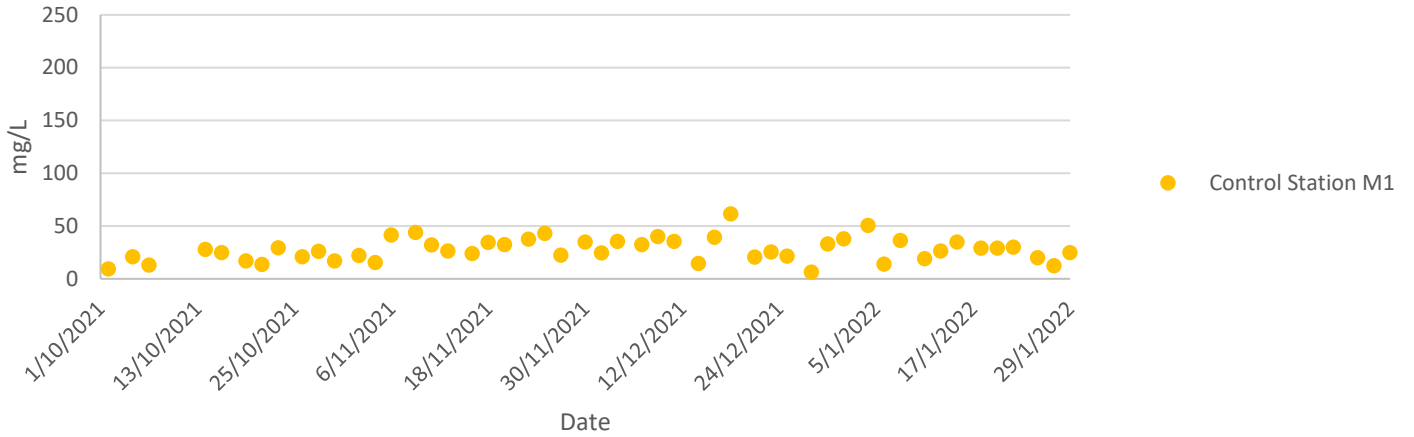
Turbidity at Mid-Flood Tide



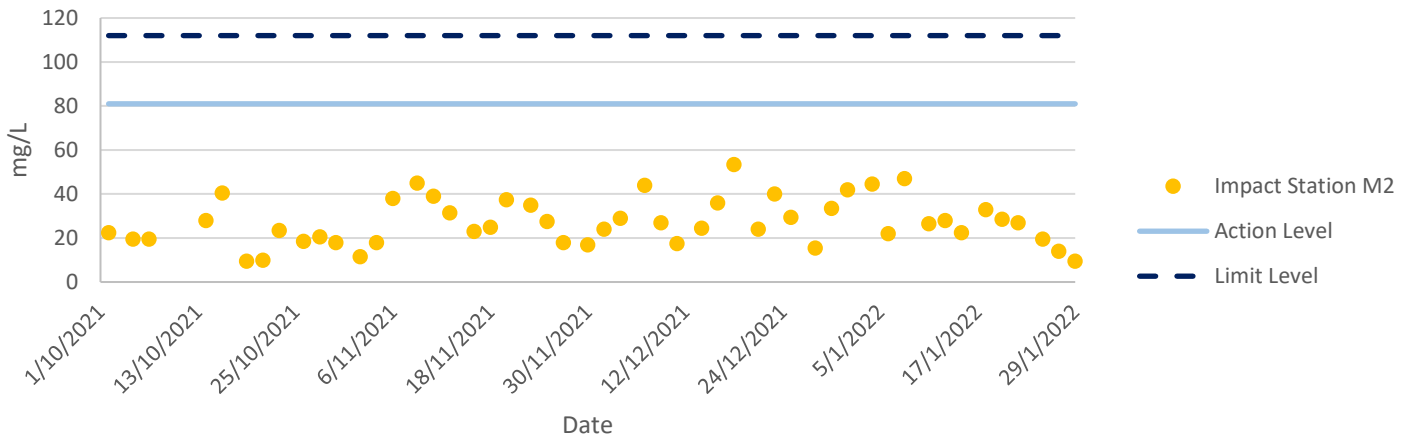
Turbidity at Mid-Flood Tide



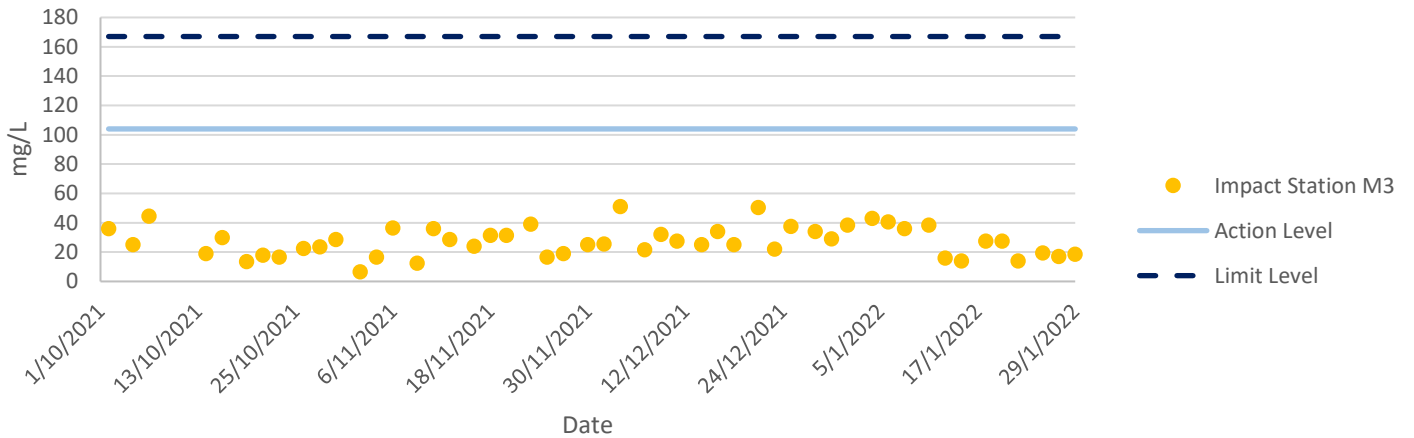
Total Suspended Solids at Mid-Flood Tide



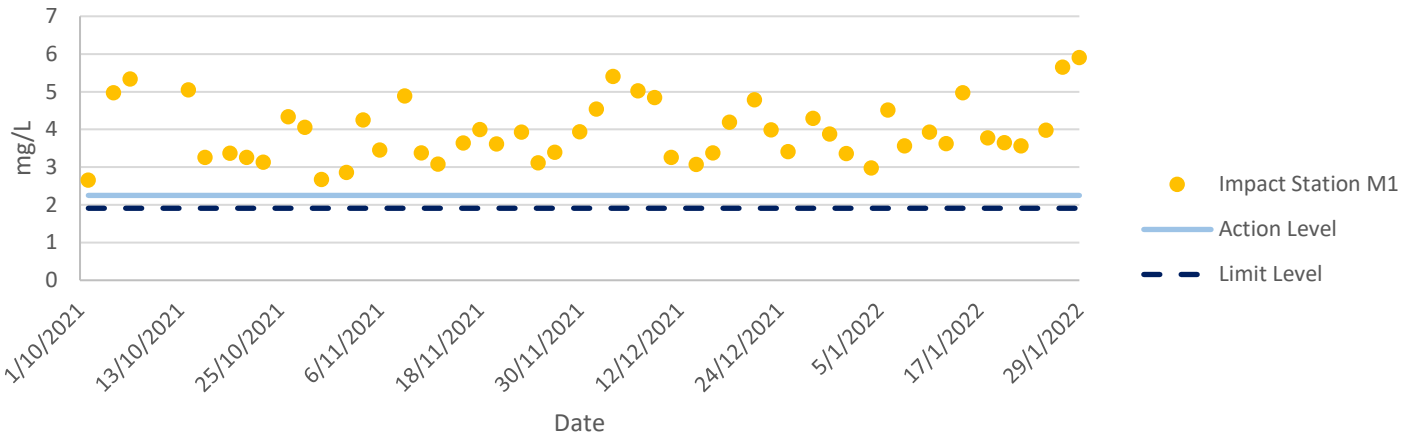
Total Suspended Solids at Mid-Flood Tide



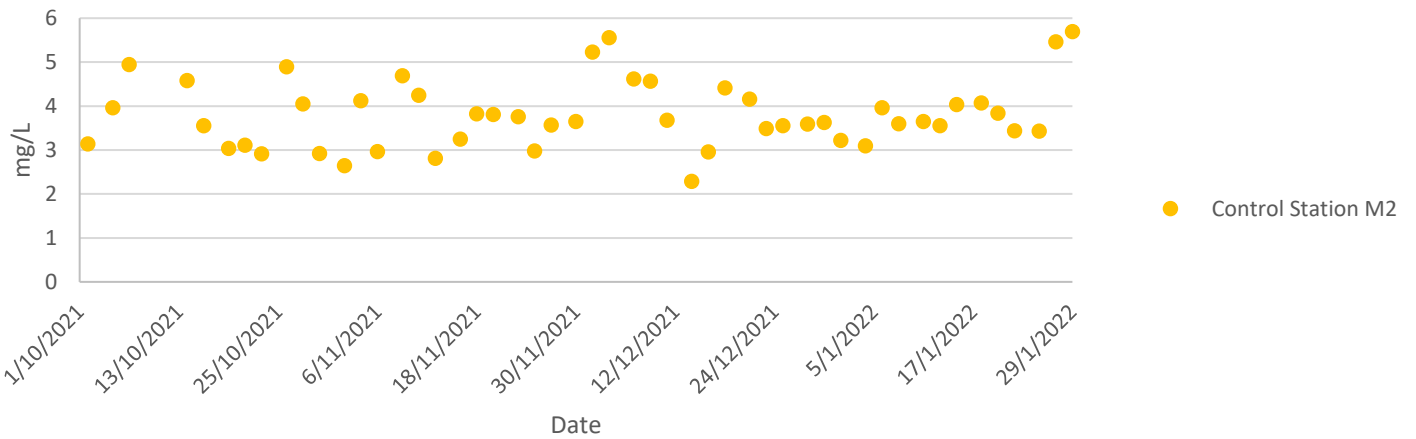
Total Suspended Solids at Mid-Flood Tide



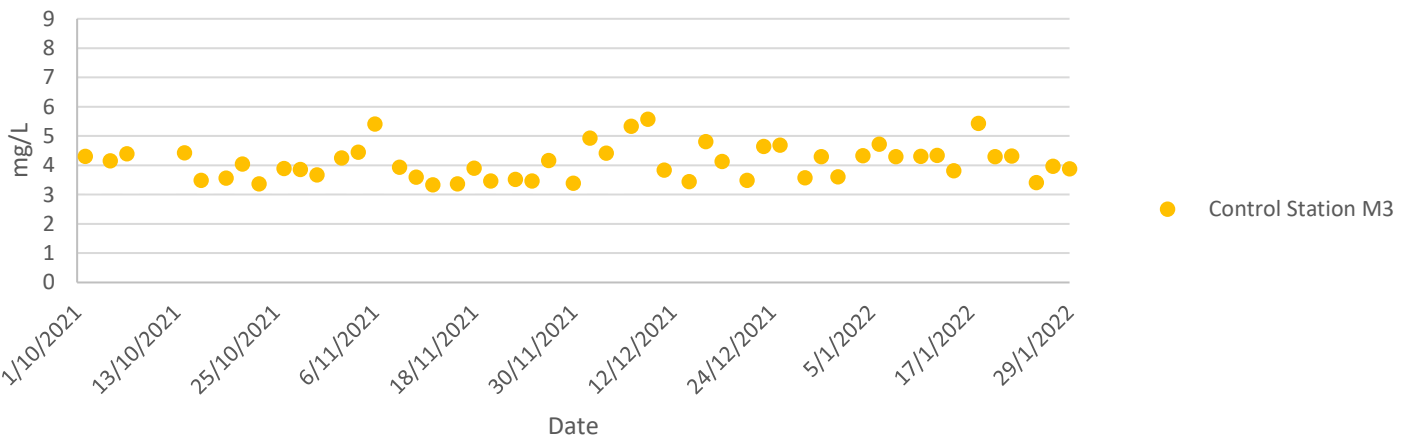
Dissolved Oxygen at Mid-Ebb Tide



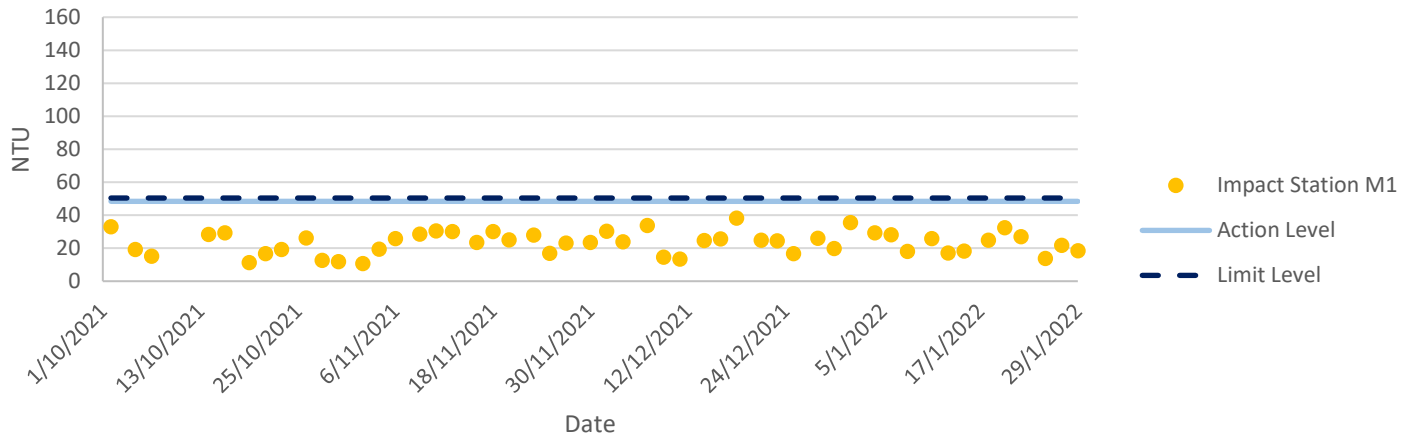
Dissolved Oxygen at Mid-Ebb Tide



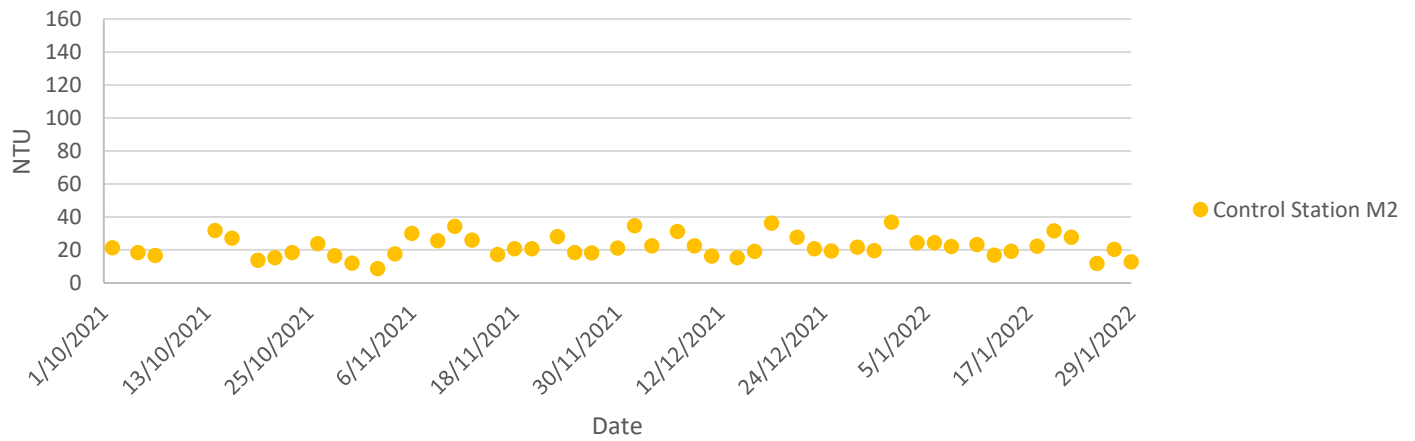
Dissolved Oxygen at Mid-Ebb Tide



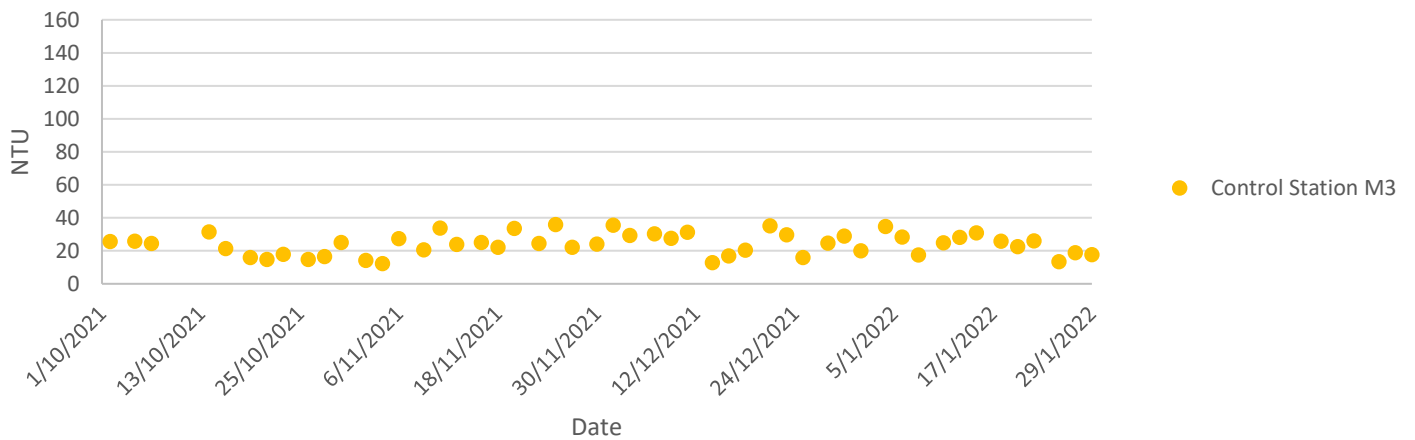
Turbidity at Mid-Ebb Tide

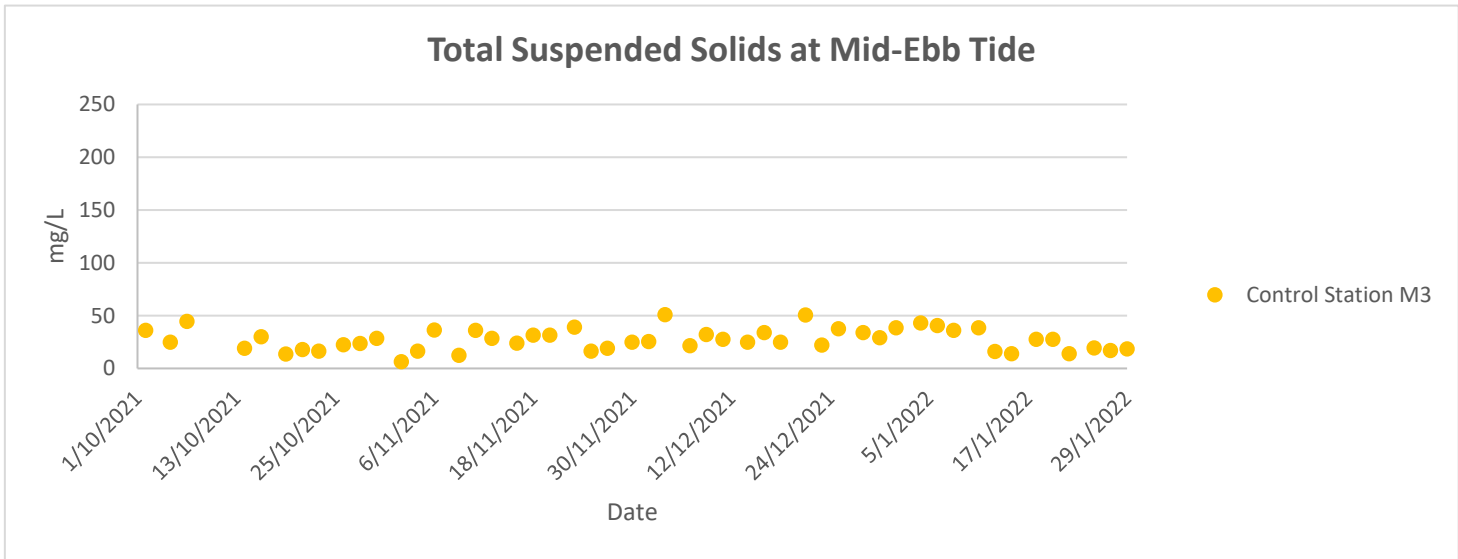
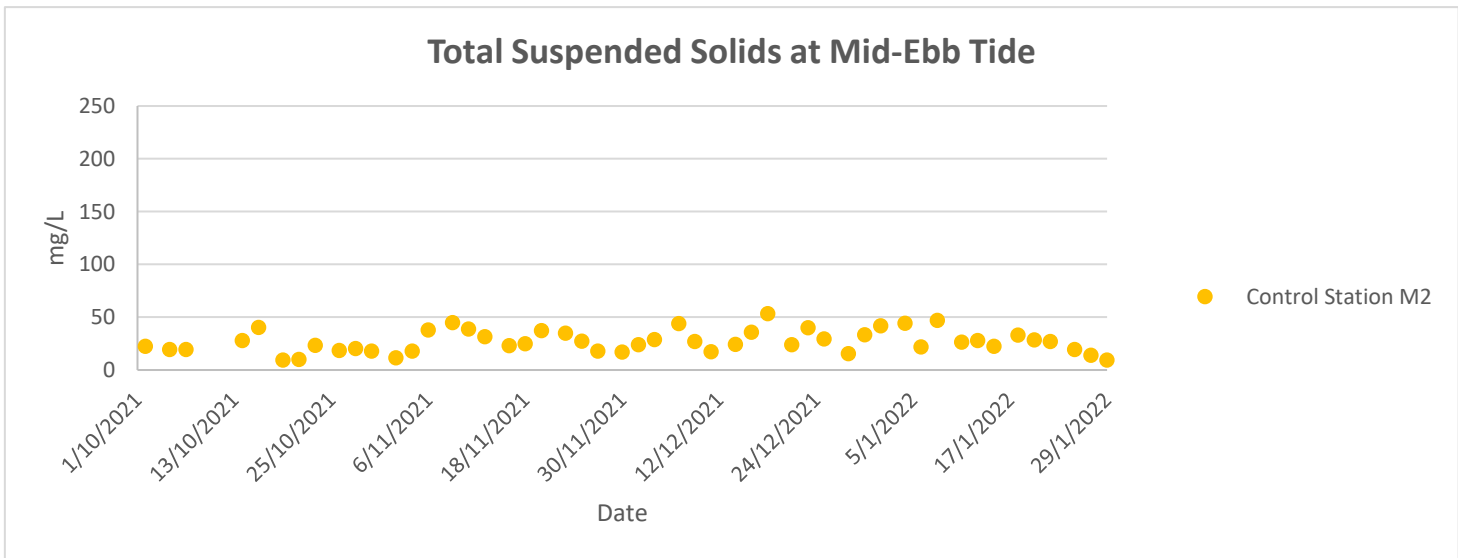
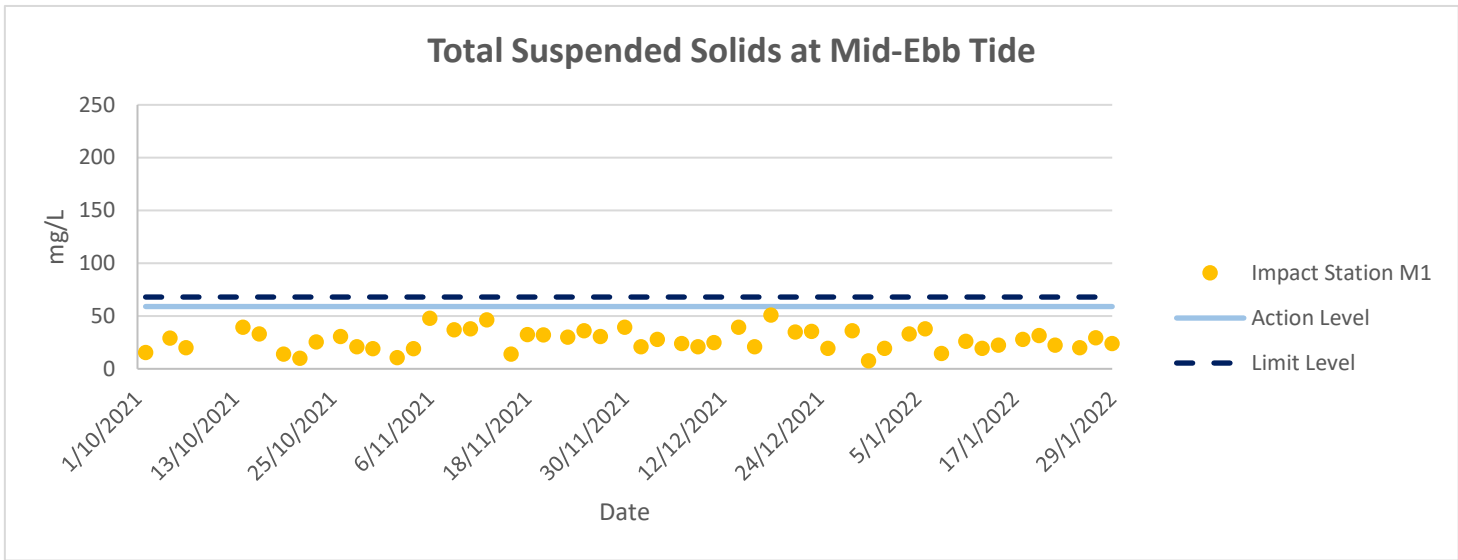


Turbidity at Mid-Ebb Tide



Turbidity at Mid-Ebb Tide





Ecology Monitoring Results

Ecology Monitoring Results for

Contract No. SPW 07/2020

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

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 (110 ind.). On the other hand, species with the least abundance (1 ind. each) include the Black Drongo *Dicrurus macrocercus*, Common Greenshank *Tringa nebularia*, Intermediate Egret *Egretta intermedia*, Marsh Sandpiper *Tringa stagnatilis*, and White-throated Kingfisher *Halcyon smyrnensis*.

Transect Walk

Among the different species recorded, the Great Cormorant was noted with the highest abundance (26 ind.) On the other hand, the Black Drongo *Dicrurus macrocercus*, Daurian Redstart *Phoenicurus aureus*, Long-tailed Shrike *Lanius schach*, Olive-backed Pipit *Anthus hodgsoni*, and Pied Kingfisher *Ceryle rudis* had the lowest abundance (1 ind. each).

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 (110 ind.). On the other hand, the Common Greenshank, Intermediate Egret, and Marsh Sandpiper had the lowest abundance (1 ind. each).

Transect Walk

Among the different species recorded, the the Great Cormorant was noted with the highest abundance (26 ind.) while the Greater Coucal *Centropus sinensis* and Tufted Duck *Aythya fuligula* had the lowest recorded abundance (2 ind. each).

Appendix F.2 Ecological Bird Monitoring Result (17 January 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	Remarks
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW3	Mangrove	Chinese Pond Heron	<i>Ardeola bacchus</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW3	Mangrove	Eastern Cattle Egret	<i>Bubulcus coromandus</i>	7	Common	R,PM	-	-	-	LC	LC	N	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Crested Myna	<i>Acridotheres cristatellus</i>	10	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Northern Pintail	<i>Anas acuta</i>	2	Abundant	WV	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Northern Shoveler	<i>Anas clypeata</i>	14	Abundant	WV	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Eurasian Teal	<i>Anas crecca</i>	5	Common	WV	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Great Egret	<i>Ardea alba</i>	5	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Little Egret	<i>Egretta garzetta</i>	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Intermediate Egret	<i>Egretta intermedia</i>	1	Common	PM	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Common Moorhen	<i>Gallinula chloropus</i>	5	Common	R	-	-	-	LC	LC	N	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	1	Common	R	-	-	-	LC	LC	N	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Black-winged Stilt	<i>Himantopus himantopus</i>	16	Common	PM	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Scaly-breasted Munia	<i>Lonchura punctulata</i>	5	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Pied Avocet	<i>Recurvirostra avosetta</i>	10	Abundant	WV	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW1	Modified Watercourse	Spotted Redshank	<i>Tringa erythropus</i>	4	Abundant	WV,Sp	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Common Sandpiper	<i>Actitis hypoleucos</i>	4	Common	PM,WV	-	-	-	LC	LC	N	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Northern Shoveler	<i>Anas clypeata</i>	10	Abundant	WV	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Eurasian Teal	<i>Anas crecca</i>	3	Common	WV	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Eastern Cattle Egret	<i>Bubulcus coromandus</i>	1	Common	R,PM	-	-	-	LC	LC	N	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Black-winged Stilt	<i>Himantopus himantopus</i>	8	Common	PM	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	White Wagtail	<i>Motacilla alba</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Great Cormorant	<i>Phalacrocorax carbo</i>	9	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Black-faced Spoonbill	<i>Platalea minor</i>	5	Common	WV	PGC	Class II	EN	EN	EN	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	6	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Chinese Bulbul	<i>Pycnonotus sinensis</i>	2	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Pied Avocet	<i>Recurvirostra avosetta</i>	10	Abundant	WV	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Common Greenshank	<i>Tringa nebularia</i>	1	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Marsh Sandpiper	<i>Tringa stagnatilis</i>	1	Common	PM,WV	RC	-	-	LC	LC	Y	Y	

17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Common Redshank	<i>Tringa totanus</i>	7	Common	PM	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW2	Modified Watercourse	Japanese White-eye	<i>Zosterops japonicus</i>	2	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW3	Modified Watercourse	Great Egret	<i>Ardea alba</i>	8	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW3	Modified Watercourse	Grey Heron	<i>Ardea cinerea</i>	3	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW3	Modified Watercourse	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	40	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW3	Modified Watercourse	Little Egret	<i>Egretta garzetta</i>	9	Common	R	PRC (RC)	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW3	Modified Watercourse	Common Moorhen	<i>Gallinula chloropus</i>	3	Common	R	-	-	-	LC	LC	N	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW3	Modified Watercourse	Black-winged Stilt	<i>Himantopus himantopus</i>	16	Common	PM	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW3	Modified Watercourse	Great Cormorant	<i>Phalacrocorax carbo</i>	7	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	SP/NSW3	Modified Watercourse	Pied Avocet	<i>Recurvirostra avosetta</i>	11	Abundant	WV	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW1	Pond-FLW	Crested Myna	<i>Acridotheres cristatellus</i>	40	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW1	Pond-FLW	Great Egret	<i>Ardea alba</i>	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW1	Pond-FLW	Great Cormorant	<i>Phalacrocorax carbo</i>	5	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW1	Pond-FLW	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW1	Pond-FLW	Little Grebe	<i>Tachybaptus ruficollis</i>	1	Common	R	LC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW2	Pond-FLW	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW2	Pond-FLW	Grey Heron	<i>Ardea cinerea</i>	1	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW2	Pond-FLW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW2	Pond-FLW	Common Tailorbird	<i>Orthotomus sutorius</i>	2	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW2	Pond-FLW	Dusky Warbler	<i>Phylloscopus fuscatus</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW2	Pond-FLW	Spotted Dove	<i>Spilopelia chinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW3	Pond-FLW	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW3	Pond-FLW	Grey Heron	<i>Ardea cinerea</i>	3	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW3	Pond-FLW	Black Kite	<i>Milvus migrans</i>	2	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW3	Pond-FLW	Great Cormorant	<i>Phalacrocorax carbo</i>	4	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW3	Pond-FLW	Plain Prinia	<i>Prinia inornata</i>	2	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW4	Pond-FLW	Crested Myna	<i>Acridotheres cristatellus</i>	4	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW4	Pond-FLW	Black Drongo	<i>Dicrurus macrocercus</i>	1	Common	SV	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW4	Pond-FLW	Little Egret	<i>Egretta garzetta</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW4	Pond-FLW	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW4	Pond-FLW	Great Cormorant	<i>Phalacrocorax carbo</i>	8	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Crested Myna	<i>Acridotheres cristatellus</i>	10	Common	R	-	-	-	LC	LC	N	N	

17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Great Egret	<i>Ardea alba</i>	6	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Grey Heron	<i>Ardea cinerea</i>	4	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Oriental Magpie Robin	<i>Copsychus saularis</i>	2	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	4	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Eurasian Tree Sparrow	<i>Passer montanus</i>	7	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Great Cormorant	<i>Phalacrocorax carbo</i>	15	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW5	Pond-FLW	Little Grebe	<i>Tachybaptus ruficollis</i>	7	Common	R	LC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Crested Myna	<i>Acridotheres cristatellus</i>	10	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	House Swift	<i>Apus nipalensis</i>	35	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Grey Heron	<i>Ardea cinerea</i>	3	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Eastern Cattle Egret	<i>Bubulcus coromandus</i>	10	Common	R,PM	-	-	-	LC	LC	N	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	2	Introduced	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	3	Common	PM,WV	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Great Cormorant	<i>Phalacrocorax carbo</i>	10	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW6	Pond-FLW	Little Grebe	<i>Tachybaptus ruficollis</i>	7	Common	R	LC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW7	Pond-FLW	Crested Myna	<i>Acridotheres cristatellus</i>	16	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW7	Pond-FLW	House Swift	<i>Apus nipalensis</i>	2	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW7	Pond-FLW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	2	Introduced	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW7	Pond-FLW	Black-collared Starling	<i>Gracupica nigricollis</i>	6	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW7	Pond-FLW	Great Cormorant	<i>Phalacrocorax carbo</i>	11	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW7	Pond-FLW	Spotted Dove	<i>Spilopelia chinensis</i>	5	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Point Count	FLW7	Pond-FLW	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	3	Found in Mai Po, Tsim Bei Tsui, Fung Lok Wai	-	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Crested Myna	<i>Acridotheres cristatellus</i>	10	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Common Kingfisher	<i>Alcedo atthis</i>	1	Common	PM,WV	-	-	-	LC	LC	N	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Chinese Pond Heron	<i>Ardeola bacchus</i>	7	Common	R	PRC (RC)	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Little Ringed Plover	<i>Charadrius dubius</i>	2	Common	WV,PM	-	-	-	LC	LC	N	Y	
17/01/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Oriental Magpie Robin	<i>Copsychus saularis</i>	1	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Little Egret	<i>Egretta garzetta</i>	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y	

17/01/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	White Wagtail	<i>Motacilla alba</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Eurasian Tree Sparrow	<i>Passer montanus</i>	17	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Great Cormorant	<i>Phalacrocorax carbo</i>	41	Common	WV	PRC	-	-	LC	LC	Y	Y	Resting
17/01/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	3	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Spotted Dove	<i>Spilopelia chinensis</i>	1	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Pond-NSW	Red Turtle Dove	<i>Streptopelia tranquebarica</i>	2	Uncommon	PM	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Point Count	NSW1	Reedbed	Scaly-breasted Munia	<i>Lonchura punctulata</i>	2	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	In flight	House Swift	<i>Apus nipalensis</i>	9	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	In flight	Large-billed Crow	<i>Corvus macrorhynchos</i>	5	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	In flight	Great Cormorant	<i>Phalacrocorax carbo</i>	18	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	In flight	Large-billed Crow	<i>Corvus macrorhynchos</i>	2	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	In flight	Great Cormorant	<i>Phalacrocorax carbo</i>	5	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	Mangrove	Crested Myna	<i>Acridotheres cristatellus</i>	5	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	Modified Watercourse	Northern Shoveler	<i>Anas clypeata</i>	3	Abundant	WV	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	Modified Watercourse	Grey Heron	<i>Ardea cinerea</i>	5	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	Modified Watercourse	Greater Coucal	<i>Centropus sinensis</i>	2	Common	R	-	Class II	Vulnerable	LC	LC	Y	N	
17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	Modified Watercourse	Black-winged Stilt	<i>Himantopus himantopus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	Modified Watercourse	Pied Avocet	<i>Recurvirostra avosetta</i>	4	Abundant	WV	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	2	Common	R	-	-	-	LC	LC	N	Y	
17/01/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Northern Shoveler	<i>Anas clypeata</i>	10	Abundant	WV	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Great Egret	<i>Ardea alba</i>	4	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Grey Heron	<i>Ardea cinerea</i>	5	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Chinese Pond Heron	<i>Ardeola bacchus</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Tufted Duck	<i>Aythya fuligula</i>	2	Uncommon	WV	LC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	13	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Oriental Magpie Robin	<i>Copsychus saularis</i>	3	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Little Egret	<i>Egretta garzetta</i>	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Black-winged Stilt	<i>Himantopus himantopus</i>	9	Common	PM	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Great Cormorant	<i>Phalacrocorax carbo</i>	3	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Pied Avocet	<i>Recurvirostra avosetta</i>	8	Abundant	WV	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Little Grebe	<i>Tachybaptus ruficollis</i>	3	Common	R	LC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	YLIE	Transect	YLIE-CW	Modified Watercourse	Common Redshank	<i>Tringa totanus</i>	4	Common	PM	RC	-	-	LC	LC	Y	Y	

17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Plantation-FLW	Fork-tailed Sunbird	<i>Aethopyga christinae</i>	2	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Plantation-FLW	Black Drongo	<i>Dicrurus macrocercus</i>	1	Common	SV	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Plantation-FLW	Masked Laughingthrush	<i>Garrulax perspicillatus</i>	4	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	Plantation-NSW	Masked Laughingthrush	<i>Garrulax perspicillatus</i>	3	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	Plantation-NSW	Long-tailed Shrike	<i>Lanius schach</i>	1	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	Plantation-NSW	Common Tailorbird	<i>Orthotomus sutorius</i>	2	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	Plantation-NSW	Eurasian Tree Sparrow	<i>Passer montanus</i>	5	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	Plantation-NSW	Daurian Redstart	<i>Phoenicurus aureus</i>	1	Common	WV	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	Plantation-NSW	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	7	Common	WV,Sp	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	Plantation-NSW	Plain Prinia	<i>Prinia inornata</i>	5	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	Plantation-NSW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	8	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	Plantation-NSW	Japanese White-eye	<i>Zosterops japonicus</i>	5	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Crested Myna	<i>Acridotheres cristatellus</i>	13	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Grey Heron	<i>Ardea cinerea</i>	5	Common	WV	PRC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Chinese Pond Heron	<i>Ardeola bacchus</i>	5	Common	R	PRC (RC)	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Pied Kingfisher	<i>Ceryle rudis</i>	1	Uncommon	R	-	-	-	LC	LC	N	Y	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Azure-winged Magpie	<i>Cyanopica cyanus</i>	3	Introduced	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Little Egret	<i>Egretta garzetta</i>	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Intermediate Egret	<i>Egretta intermedia</i>	5	Common	PM	RC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Scaly-breasted Munia	<i>Lonchura punctulata</i>	10	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	White Wagtail	<i>Motacilla alba</i>	4	Common	PM,WV	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	2	Common	PM,WV	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Eurasian Tree Sparrow	<i>Passer montanus</i>	12	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	6	Common	WV,Sp	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	3	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Plain Prinia	<i>Prinia inornata</i>	3	Common	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	9	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Chinese Bulbul	<i>Pycnonotus sinensis</i>	5	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Spotted Dove	<i>Spilopelia chinensis</i>	4	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Little Grebe	<i>Tachybaptus ruficollis</i>	3	Common	R	LC	-	-	LC	LC	Y	Y	
17/01/2022	Daytime	Dry Season	FLW	Transect	FLW	Pond-FLW	Japanese White-eye	<i>Zosterops japonicus</i>	9	Abundant	R	-	-	-	LC	LC	N	N	
17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	Reedbed	Black-browed Reed Warbler	<i>Acrocephalus bistrigiceps</i>	2	Common	PM	-	-	-	LC	LC	N	N	

17/01/2022	Daytime	Dry Season	NSW	Transect	NSW	Reedbed	Olive-backed Pipit	<i>Anthus hodgsoni</i>	1	Common	PM,WV	-	-	-	LC	LC	N	N
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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 (17 January 2022)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Acridotheres cristatellus</i>	104	0.164818	-1.80291	-0.29715	0.53574
<i>Actitis hypoleucos</i>	4	0.006339	-5.06101	-0.03208	0.16237
<i>Alcedo atthis</i>	3	0.004754	-5.34869	-0.02543	0.136015
<i>Anas acuta</i>	2	0.00317	-5.75416	-0.01824	0.104946
<i>Anas clypeata</i>	24	0.038035	-3.26925	-0.12435	0.406517
<i>Anas crecca</i>	8	0.012678	-4.36786	-0.05538	0.241879
<i>Apus nipalensis</i>	37	0.058637	-2.83639	-0.16632	0.471741
<i>Ardea alba</i>	22	0.034865	-3.35626	-0.11702	0.39274
<i>Ardea cinerea</i>	14	0.022187	-3.80825	-0.08449	0.321773
<i>Ardeola bacchus</i>	13	0.020602	-3.88236	-0.07999	0.310531
<i>Bubulcus coromandus</i>	18	0.028526	-3.55693	-0.10147	0.360907
<i>Charadrius dubius</i>	2	0.00317	-5.75416	-0.01824	0.104946
<i>Chroicocephalus ridibundus</i>	40	0.063391	-2.75843	-0.17486	0.48234
<i>Copsychus saularis</i>	4	0.006339	-5.06101	-0.03208	0.16237
<i>Cyanopica cyanus</i>	4	0.006339	-5.06101	-0.03208	0.16237
<i>Dicrurus macrocercus</i>	1	0.001585	-6.44731	-0.01022	0.065876
<i>Egretta garzetta</i>	19	0.030111	-3.50287	-0.10547	0.369463
<i>Egretta intermedia</i>	1	0.001585	-6.44731	-0.01022	0.065876
<i>Gallinula chloropus</i>	8	0.012678	-4.36786	-0.05538	0.241879
<i>Gracupica nigricollis</i>	10	0.015848	-4.14472	-0.06568	0.272246
<i>Halcyon smyrnensis</i>	1	0.001585	-6.44731	-0.01022	0.065876
<i>Himantopus himantopus</i>	40	0.063391	-2.75843	-0.17486	0.48234
<i>Lonchura punctulata</i>	7	0.011094	-4.5014	-0.04994	0.224783
<i>Milvus migrans</i>	2	0.00317	-5.75416	-0.01824	0.104946
<i>Motacilla alba</i>	5	0.007924	-4.83787	-0.03833	0.185459
<i>Motacilla tschutschensis</i>	5	0.007924	-4.83787	-0.03833	0.185459
<i>Orthotomus sutorius</i>	2	0.00317	-5.75416	-0.01824	0.104946
<i>Passer montanus</i>	24	0.038035	-3.26925	-0.12435	0.406517
<i>Phalacrocorax carbo</i>	110	0.174326	-1.74683	-0.30452	0.53194
<i>Phylloscopus fuscatus</i>	2	0.00317	-5.75416	-0.01824	0.104946
<i>Platalea minor</i>	5	0.007924	-4.83787	-0.03833	0.185459
<i>Prinia inornata</i>	2	0.00317	-5.75416	-0.01824	0.104946
<i>Pycnonotus jocosus</i>	9	0.014263	-4.25008	-0.06062	0.257637
<i>Pycnonotus sinensis</i>	2	0.00317	-5.75416	-0.01824	0.104946
<i>Recurvirostra avosetta</i>	31	0.049128	-3.01332	-0.14804	0.44609
<i>Spilopelia chinensis</i>	11	0.017433	-4.04941	-0.07059	0.285856
<i>Streptopelia decaocto</i>	3	0.004754	-5.34869	-0.02543	0.136015
<i>Streptopelia tranquebarica</i>	2	0.00317	-5.75416	-0.01824	0.104946
<i>Tachybaptus ruficollis</i>	15	0.023772	-3.73926	-0.08889	0.332378
<i>Tringa erythropus</i>	4	0.006339	-5.06101	-0.03208	0.16237
<i>Tringa nebularia</i>	1	0.001585	-6.44731	-0.01022	0.065876
<i>Tringa stagnatilis</i>	1	0.001585	-6.44731	-0.01022	0.065876
<i>Tringa totanus</i>	7	0.011094	-4.5014	-0.04994	0.224783
<i>Zosterops japonicus</i>	2	0.00317	-5.75416	-0.01824	0.104946
Total	631	1	-202.962	-3.00871	10.35186
Richness	44				

SS	10.35				
SQ	9.052				
H	3.01				
S ² _H	0.002				

Appendix F.3.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (17 January 2022)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Anas acuta</i>	2	0.005571	-5.19018	-0.02891	0.150072
<i>Anas clypeata</i>	24	0.066852	-2.70527	-0.18085	0.489258
<i>Anas crecca</i>	8	0.022284	-3.80388	-0.08477	0.32244
<i>Ardea alba</i>	22	0.061281	-2.79228	-0.17111	0.4778
<i>Ardea cinerea</i>	14	0.038997	-3.24427	-0.12652	0.410456
<i>Ardeola bacchus</i>	13	0.036212	-3.31837	-0.12016	0.398749
<i>Chroicocephalus ridibundus</i>	40	0.111421	-2.19444	-0.24451	0.536555
<i>Egretta garzetta</i>	19	0.052925	-2.93888	-0.15554	0.457113
<i>Egretta intermedia</i>	1	0.002786	-5.88332	-0.01639	0.096416
<i>Himantopus himantopus</i>	40	0.111421	-2.19444	-0.24451	0.536555
<i>Milvus migrans</i>	2	0.005571	-5.19018	-0.02891	0.150072
<i>Phalacrocorax carbo</i>	110	0.306407	-1.18284	-0.36243	0.428698
<i>Platalea minor</i>	5	0.013928	-4.27388	-0.05952	0.254402
<i>Recurvirostra avosetta</i>	31	0.086351	-2.44934	-0.2115	0.51804
<i>Tachybaptus ruficollis</i>	15	0.041783	-3.17527	-0.13267	0.421268
<i>Tringa erythropus</i>	4	0.011142	-4.49703	-0.05011	0.225329
<i>Tringa nebularia</i>	1	0.002786	-5.88332	-0.01639	0.096416
<i>Tringa stagnatilis</i>	1	0.002786	-5.88332	-0.01639	0.096416
<i>Tringa totanus</i>	7	0.019499	-3.93741	-0.07677	0.302291
Total	359	1	-70.7379	-2.32797	6.368348
Richness	19				
SS	6.368348				
SQ	5.419449				
H	2.33				
S ² _H	0.002713				

Appendix F.3.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method) in All (17 January 2022)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Acridotheres cristatellus</i>	18	0.062284	-2.77605	-0.1729	0.479988
<i>Acrocephalus bistrigiceps</i>	2	0.00692	-4.97328	-0.03442	0.171166
<i>Aethopyga christinae</i>	2	0.00692	-4.97328	-0.03442	0.171166
<i>Amaurornis phoenicurus</i>	2	0.00692	-4.97328	-0.03442	0.171166
<i>Anas clypeata</i>	13	0.044983	-3.10148	-0.13951	0.432696
<i>Anthus hodgsoni</i>	1	0.00346	-5.66643	-0.01961	0.111102
<i>Apus nipalensis</i>	9	0.031142	-3.4692	-0.10804	0.374804
<i>Ardea alba</i>	4	0.013841	-4.28013	-0.05924	0.253558
<i>Ardea cinerea</i>	15	0.051903	-2.95838	-0.15355	0.454256
<i>Ardeola bacchus</i>	8	0.027682	-3.58699	-0.09929	0.356165
<i>Aythya fuligula</i>	2	0.00692	-4.97328	-0.03442	0.171166

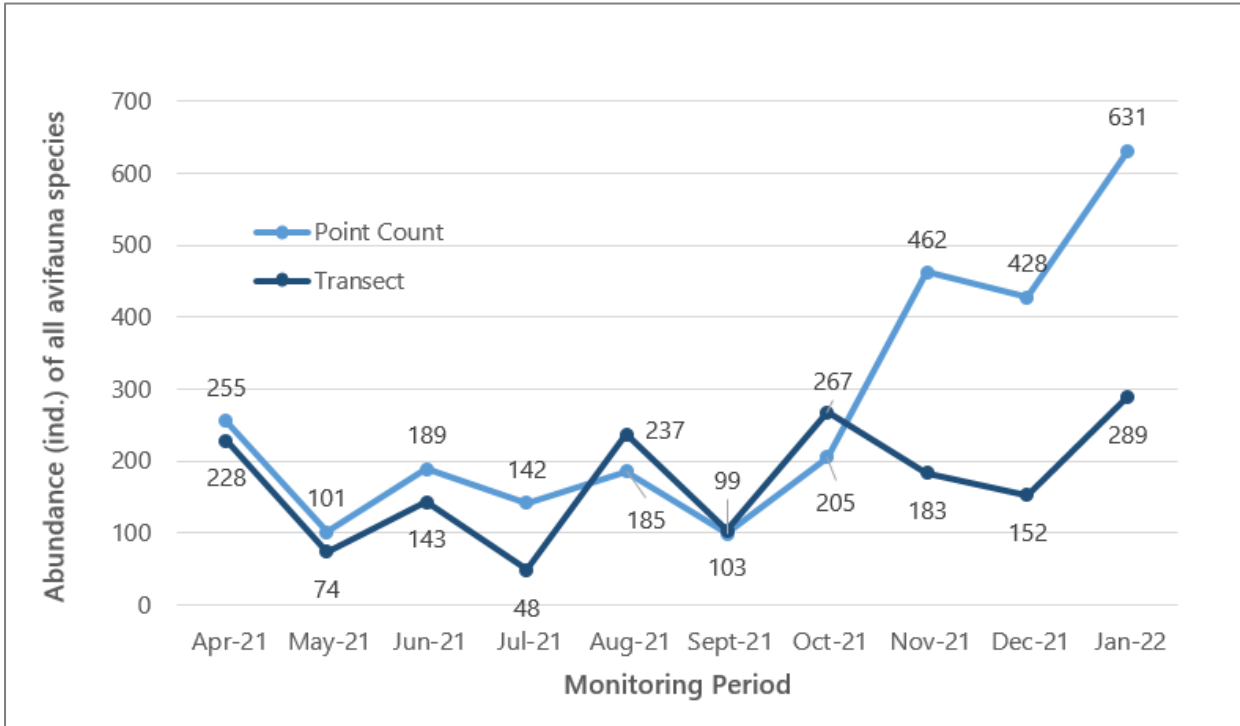
<i>Centropus sinensis</i>	2	0.00692	-4.97328	-0.03442	0.171166
<i>Ceryle rudis</i>	1	0.00346	-5.66643	-0.01961	0.111102
<i>Chroicocephalus ridibundus</i>	13	0.044983	-3.10148	-0.13951	0.432696
<i>Copsychus saularis</i>	3	0.010381	-4.56781	-0.04742	0.216591
<i>Corvus macrorhynchos</i>	7	0.024221	-3.72052	-0.09012	0.335279
<i>Cyanopica cyanus</i>	3	0.010381	-4.56781	-0.04742	0.216591
<i>Dicrurus macrocercus</i>	1	0.00346	-5.66643	-0.01961	0.111102
<i>Egretta garzetta</i>	9	0.031142	-3.4692	-0.10804	0.374804
<i>Egretta intermedia</i>	5	0.017301	-4.05699	-0.07019	0.284761
<i>Garrulax perspicillatus</i>	7	0.024221	-3.72052	-0.09012	0.335279
<i>Himantopus himantopus</i>	13	0.044983	-3.10148	-0.13951	0.432696
<i>Lanius schach</i>	1	0.00346	-5.66643	-0.01961	0.111102
<i>Lonchura punctulata</i>	10	0.034602	-3.36384	-0.1164	0.391537
<i>Motacilla alba</i>	4	0.013841	-4.28013	-0.05924	0.253558
<i>Motacilla tschutschensis</i>	2	0.00692	-4.97328	-0.03442	0.171166
<i>Orthotomus sutorius</i>	2	0.00692	-4.97328	-0.03442	0.171166
<i>Passer montanus</i>	17	0.058824	-2.83321	-0.16666	0.472182
<i>Phalacrocorax carbo</i>	26	0.089965	-2.40833	-0.21667	0.521804
<i>Phoenicurus aureus</i>	1	0.00346	-5.66643	-0.01961	0.111102
<i>Phylloscopus inornatus</i>	13	0.044983	-3.10148	-0.13951	0.432696
<i>Prinia flaviventris</i>	3	0.010381	-4.56781	-0.04742	0.216591
<i>Prinia inornata</i>	8	0.027682	-3.58699	-0.09929	0.356165
<i>Pycnonotus jocosus</i>	17	0.058824	-2.83321	-0.16666	0.472182
<i>Pycnonotus sinensis</i>	5	0.017301	-4.05699	-0.07019	0.284761
<i>Recurvirostra avosetta</i>	12	0.041522	-3.18152	-0.1321	0.420294
<i>Spilopelia chinensis</i>	4	0.013841	-4.28013	-0.05924	0.253558
<i>Tachybaptus ruficollis</i>	6	0.020761	-3.87467	-0.08044	0.31169
<i>Tringa totanus</i>	4	0.013841	-4.28013	-0.05924	0.253558
<i>Zosterops japonicus</i>	14	0.048443	-3.02737	-0.14665	0.443978
Total	289	1	-163.299	-3.36353	11.81839
Richness	40				
SS	11.81839				
SQ	11.31333				
H	3.36				
S²_H	0.001981				

Appendix F.3.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (17 January 2022)

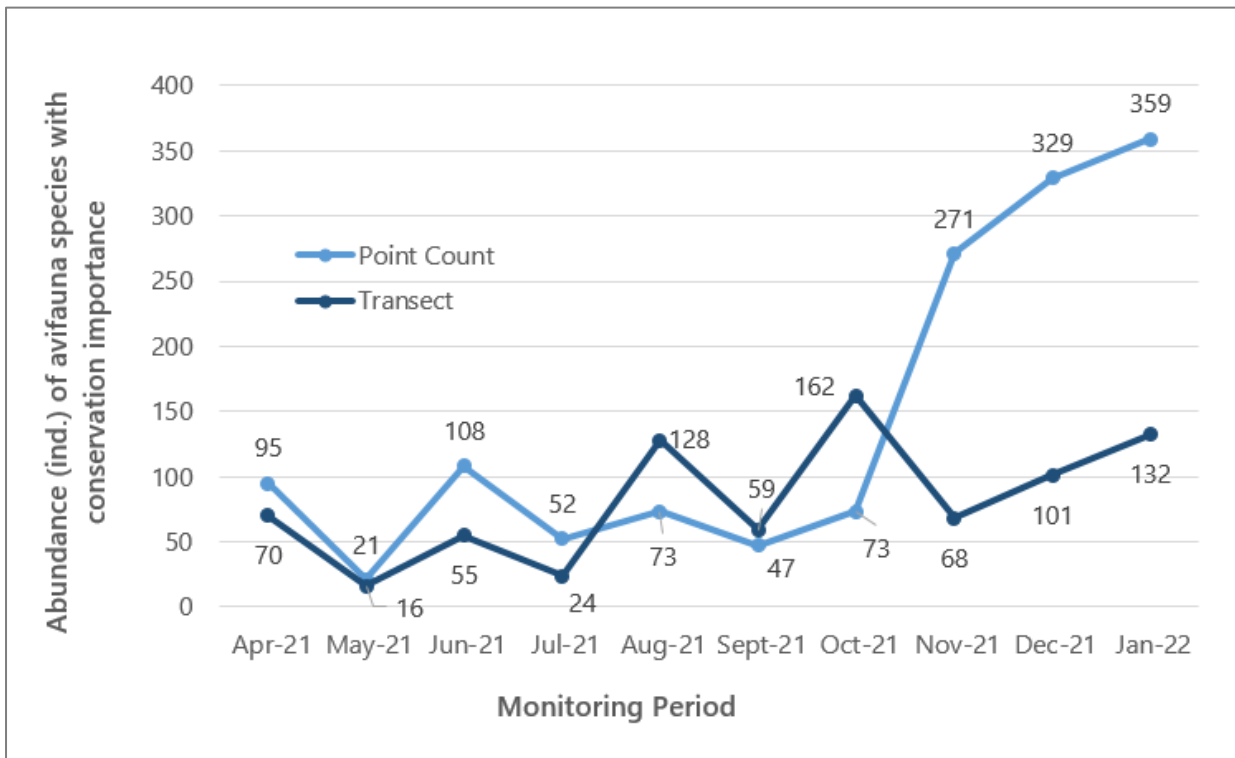
Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P) ²
<i>Anas clypeata</i>	13	0.098485	-2.31785	-0.22827	0.529104
<i>Ardea alba</i>	4	0.030303	-3.49651	-0.10595	0.370472
<i>Ardea cinerea</i>	15	0.113636	-2.17475	-0.24713	0.537448
<i>Ardeola bacchus</i>	8	0.060606	-2.80336	-0.1699	0.476293
<i>Aythya fuligula</i>	2	0.015152	-4.18965	-0.06348	0.265958
<i>Centropus sinensis</i>	2	0.015152	-4.18965	-0.06348	0.265958
<i>Chroicocephalus ridibundus</i>	13	0.098485	-2.31785	-0.22827	0.529104
<i>Egretta garzetta</i>	9	0.068182	-2.68558	-0.18311	0.491749
<i>Egretta intermedia</i>	5	0.037879	-3.27336	-0.12399	0.405868
<i>Himantopus himantopus</i>	13	0.098485	-2.31785	-0.22827	0.529104
<i>Phalacrocorax carbo</i>	26	0.19697	-1.62471	-0.32002	0.519935

<i>Recurvirostra avosetta</i>	12	0.090909	-2.3979	-0.21799	0.522718
<i>Tachybaptus ruficollis</i>	6	0.045455	-3.09104	-0.1405	0.434297
<i>Tringa totanus</i>	4	0.030303	-3.49651	-0.10595	0.370472
Total	132	1	-40.3766	-2.42633	6.248479
Richness	14				
SS	6.248479				
SQ	5.887073				
H	2.43				
S²_H	0.003111				

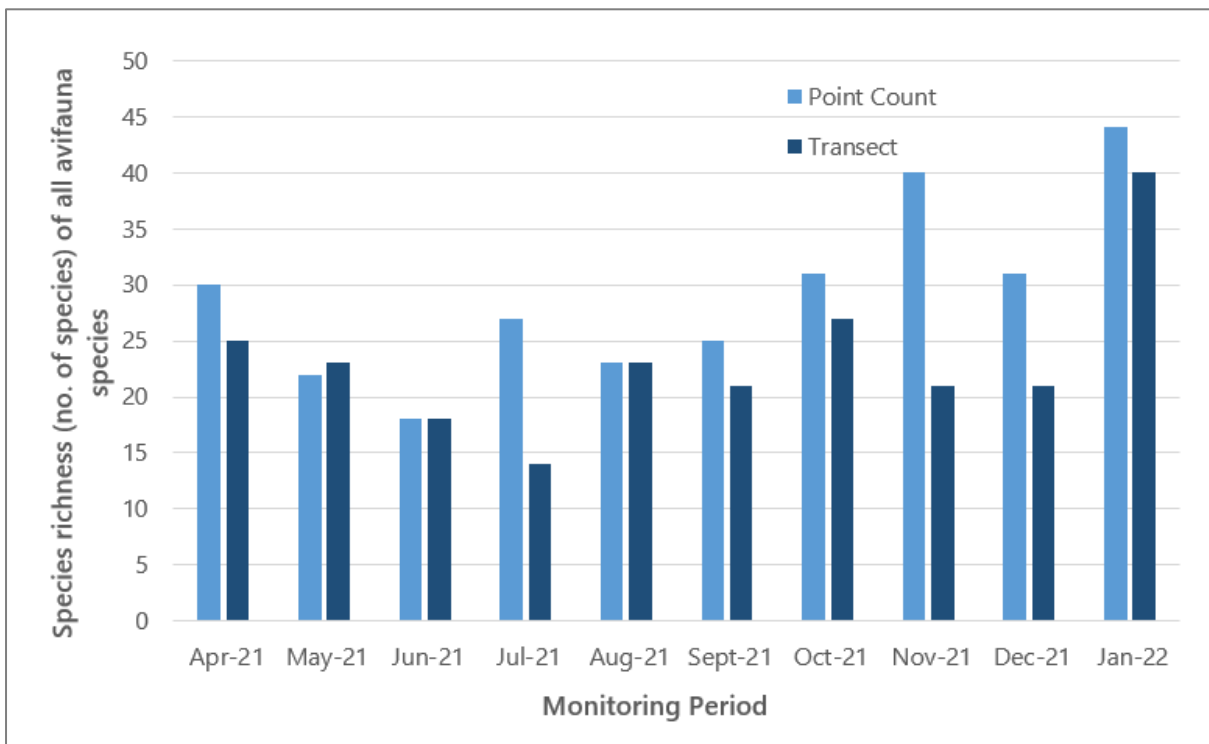
Appendix F.4.1 Abundance of all avifauna species throughout the monitoring period



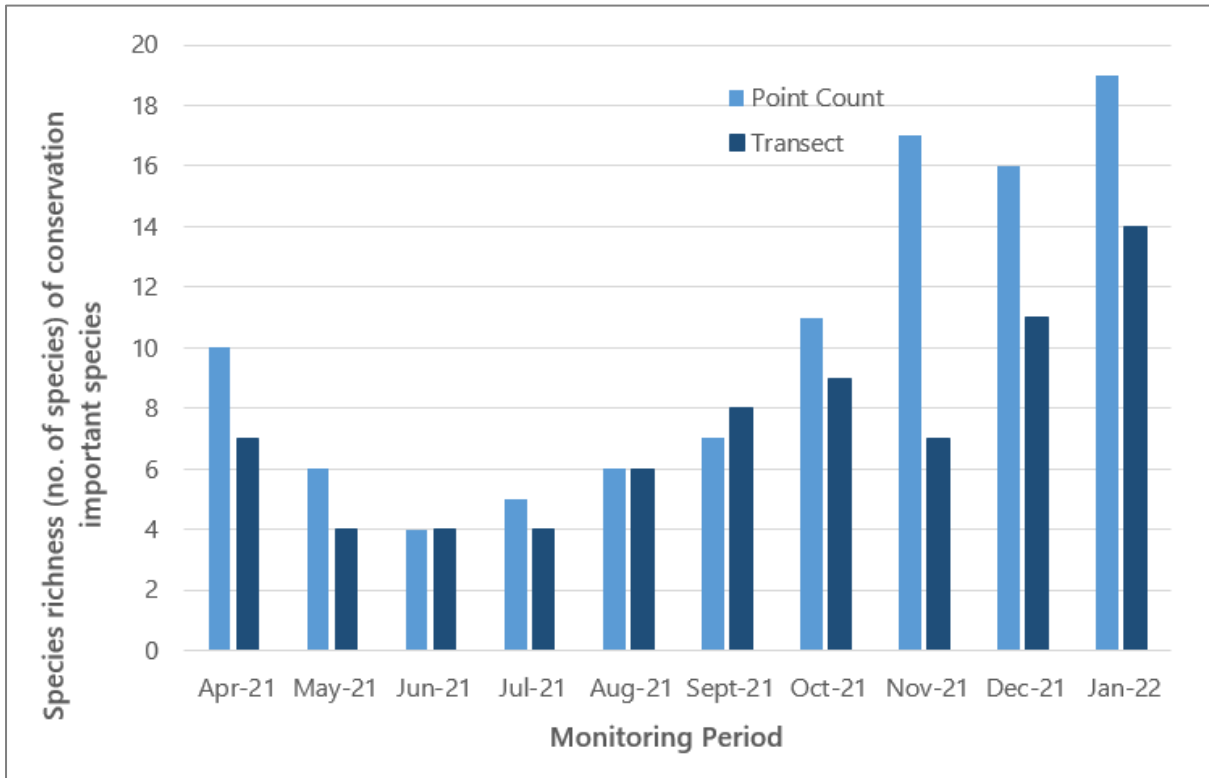
Appendix F.4.2 Abundance of avifauna species with conservation importance throughout the monitoring period



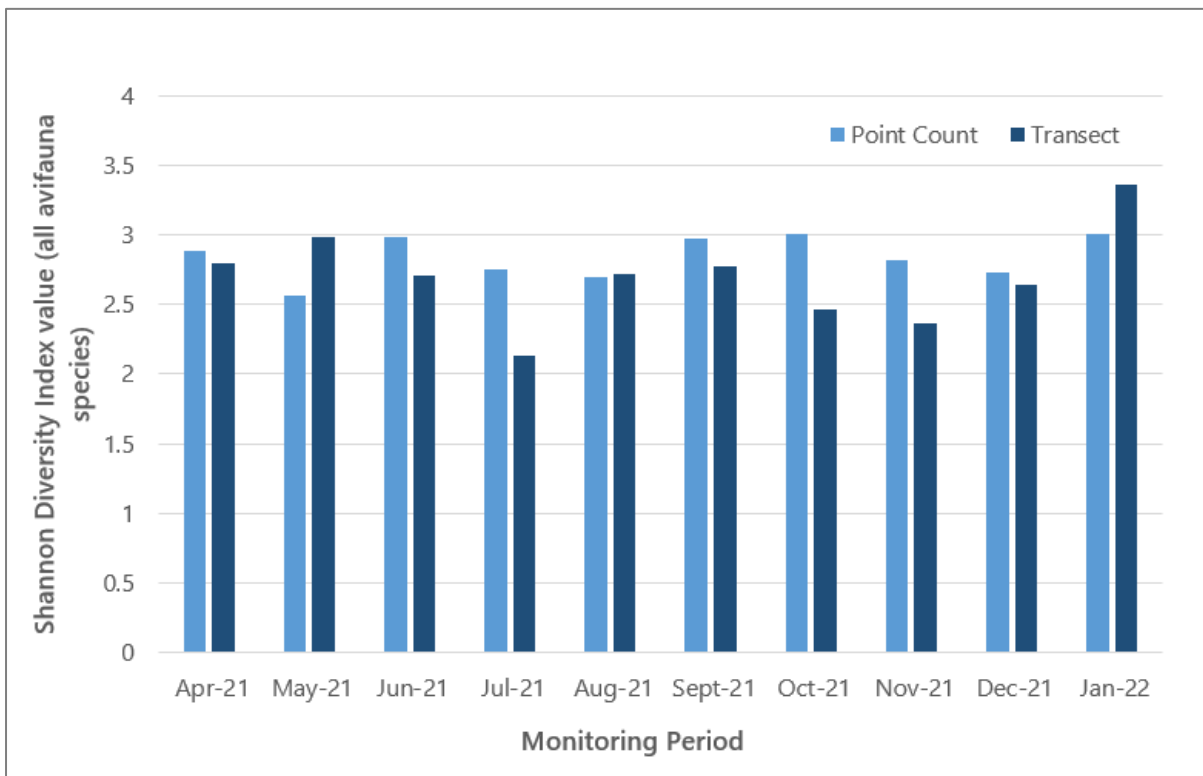
Appendix F.5.1 Species richness of all avifauna species throughout the monitoring period



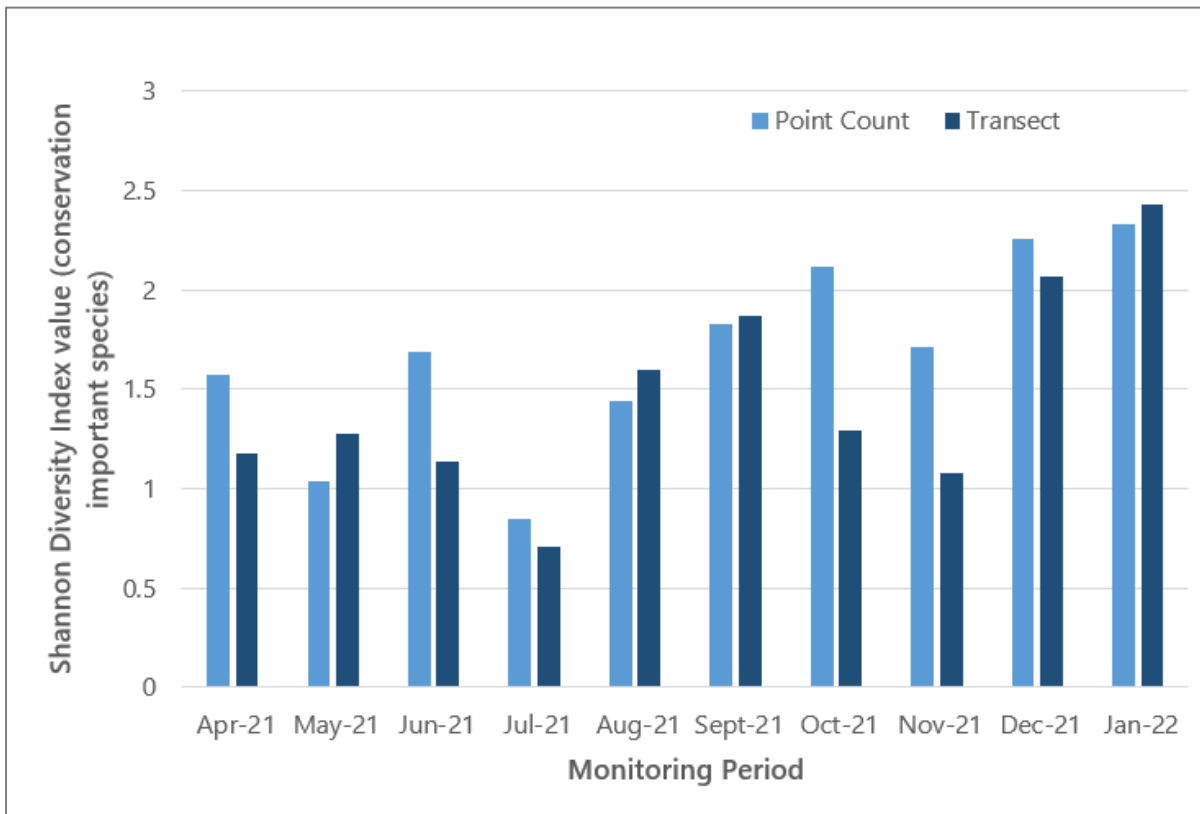
Appendix F.5.2 Species richness of avifauna species with conservation importance throughout the monitoring period



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 all avifauna species – Point Count Method

Months	January 2017	January 2022
N	119	97
df	118	96
M	5.95	6.51
SS	14731.7	5966.25
S ²	124.84	62.15
t-value	-0.41	
p-value	0.68	
Notes: N: Number of samples/observation df: Degrees of freedom M: Mean SS: Sum of Squares		

Months	January 2017	January 2022
S ² : Measure on a random sample that is used to estimate the variance of the population		

Appendix F.7.2 Abundance of all avifauna species – Transect Walk Method

Months	January 2017	January 2022
N	89	58
df	88	57
M	3.9	4.98
SS	2714.09	686.98
S ²	30.84	12.05
t-value	-1.33	
p-value	0.19	
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.7.3 Abundance of avifauna species with conservation importance – Point Count Method

Months	January 2017	January 2022
N	76	46
df	75	45
M	6.95	7.8
SS	12591.79	2967.24
S ²	167.89	65.94
t-value	-0.40	
p-value	0.69	
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		