

## **ANNEX G**

### **MARINE WATER QUALITY MONITORING RESULTS FOR HYDROTESTING**

Water Quality Monitoring Data Log Sheet

Date: 2022/10/03

Tide: Flood tide

Monitoring Station	Round	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation		Dissolved Oxygen (mg/L)			Turbidity (NTU)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
F3	1	Sunny	Rough	12:24	16.8	S	0.12	296	28.10	28.10	31.05	31.05	8.24	8.24	93.2	93.2	6.12	6.12	6.13	2.1	2.1	3.1
							0.16	293	28.10		31.05		8.24		93.2		6.12			2.1		
							0.14	266	27.40	32.03	8.36	92.7	6.13	2.6								
						M	0.14	266	27.40	27.40	32.03	32.03	8.36	8.36	92.7	92.7	6.13	6.13	2.6			
							B	0.16	269	27.40	27.40	32.28	32.28	8.38	8.38	92.7	92.7	6.12	6.12	4.5		
								0.15	266	27.40		32.28		8.38		92.7		6.12		4.6		
IM6	1	Sunny	Rough	12:32	17.7	S	0.12	285	28.00	28.00	31.02	31.03	8.20	8.20	93.1	93.1	6.13	6.13	6.09	2.2	2.2	4.4
							0.13	285	28.00		31.03		8.20		93.0		6.12			2.2		
							0.10	294	27.40	27.40	31.84	31.84	8.28	8.28	91.5	91.5	6.06	6.06		2.4		
						M	0.06	296	27.40	27.40	31.84	31.84	8.28	8.28	91.5	91.5	6.06	6.06	2.4			
							B	0.18	258	27.40	27.40	32.23	32.23	8.30	8.30	91.4	91.4	6.04	6.04	8.7		
								0.17	255	27.40		32.23		8.30		91.4		6.04		8.8		
F3	2	Sunny	Rough	13:44	17.1	S	0.15	283	28.10	28.10	31.10	31.10	8.23	8.24	94.2	94.2	6.19	6.19	6.18	2.2	2.2	2.9
							0.16	279	28.10		31.10		8.24		94.2		6.19			2.2		
							0.21	303	27.40	27.40	32.15	32.15	8.33	8.33	93.1	93.1	6.16	6.16		2.0		
						M	0.17	295	27.40	27.40	32.15	32.15	8.33	8.33	93.1	93.1	6.16	6.16	2.1			
							B	0.15	283	27.40	27.40	32.27	32.27	8.34	8.34	92.4	92.4	6.10	6.10	4.6		
								0.16	286	27.40		32.27		8.34		92.4		6.10		4.6		
IM6	2	Sunny	Rough	13:34	17.9	S	0.12	283	28.10	28.10	31.03	31.04	8.31	8.32	93.3	93.4	6.14	6.14	6.11	3.2	3.2	5.8
							0.12	287	28.10		31.04		8.32		93.4		6.14			3.2		
							0.19	278	27.40	27.40	32.16	32.16	8.43	8.43	91.9	91.9	6.08	6.08		4.7		
						M	0.21	280	27.40	27.40	32.16	32.16	8.43	8.43	91.9	91.9	6.08	6.08	4.8			
							B	0.17	281	27.40	27.40	32.24	32.24	8.46	8.46	91.7	91.7	6.06	6.06	9.4		
								0.16	275	27.40		32.24		8.46		91.7		6.06		9.4		

Remark: \* DA: Depth-Averaged

\*\* Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

\*\*\* S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2022/10/03

Tide: Ebb tide

Monitoring Station	Round	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation		Dissolved Oxygen (mg/L)			Turbidity (NTU)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
E2	1	Fine	Rough	04:35	8.1	S	0.17	108	27.50	27.50	30.79	30.79	8.10	8.10	85.9	85.9	5.71	5.71	5.70	5.4	5.4	7.1
							0.12	112	27.50		30.79		8.10		85.9		5.71			5.4		
						M	0.17	119	27.50	27.50	30.75	30.75	8.09	8.09	85.6	85.6	5.69	5.69		5.9	5.9	
							0.14	115	27.50		30.75		8.09		85.6		5.69			6.0		
						B	0.17	124	27.50	27.50	30.71	30.71	8.07	8.07	84.9	84.9	5.65	5.65		9.8	9.8	
							0.18	116	27.50		30.71		8.07		84.9		5.65			9.8		
IM6	1	Fine	Rough	05:13	16.3	S	0.19	108	27.30	27.30	31.21	31.21	8.19	8.19	87.9	87.9	5.79	5.79	5.93	2.1	2.1	2.5
							0.18	103	27.30		31.21		8.19		87.9		5.79			2.1		
						M	0.18	114	27.40	27.40	31.86	31.86	8.25	8.25	91.7	91.7	6.07	6.07		1.8	1.8	
							0.15	107	27.40		31.86		8.25		91.7		6.07			1.8		
						B	0.24	124	27.30	27.30	32.13	32.13	8.28	8.28	92.6	92.6	6.13	6.13		3.4	3.4	
							0.27	125	27.30		32.13		8.28		92.7		6.13			3.5		
E2	2	Fine	Rough	06:49	8.4	S	0.19	116	27.50	27.50	31.03	31.03	8.18	8.18	86.5	86.5	5.74	5.74	5.75	5.9	5.9	7.6
							0.21	123	27.50		31.03		8.18		86.5		5.74			6.0		
						M	0.16	121	27.60	27.60	31.02	31.02	8.18	8.18	86.7	86.7	5.75	5.76		6.6	6.5	
							0.15	123	27.60		31.02		8.18		86.7		5.76			6.5		
						B	0.13	118	27.50	27.50	31.07	31.07	8.17	8.17	85.2	85.2	5.65	5.66		10.2	10.2	
							0.09	118	27.50		31.07		8.17		85.2		5.66			10.2		
IM6	2	Fine	Rough	06:19	16.6	S	0.22	103	27.40	27.40	31.19	31.19	8.18	8.18	88.0	88.1	5.85	5.85	5.88	1.9	1.9	3.0
							0.21	96	27.40		31.19		8.18		88.1		5.85			1.9		
						M	0.31	121	27.30	27.30	31.47	31.47	8.21	8.21	88.9	88.9	5.91	5.91		1.9	1.9	
							0.32	117	27.30		31.47		8.21		88.9		5.91			2.0		
						B	0.25	133	27.30	27.30	32.15	32.15	8.16	8.16	87.4	87.4	5.68	5.68		5.1	5.1	
							0.25	134	27.30		32.15		8.16		87.4		5.68			5.0		

Remark: \* DA: Depth-Averaged

\*\* Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

\*\*\* S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2022/10/05

Tide: Flood tide

Monitoring Station	Round	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation		Dissolved Oxygen (mg/L)			Turbidity (NTU)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
F3	1	Fine	Rough	15:44	18.2	S	0.19	283	28.80	28.80	30.62	30.62	8.33	8.33	128.2	128.1	8.35	8.35	6.74	3.3	3.3	6.0		
							0.19	279	28.80		30.61		8.33		127.9		8.34			3.4				
						M	0.17	312	27.70	27.70	31.19	31.19	8.17	8.17	77.6	77.6	5.13	5.13	5.13	5.13	6.3		6.2	
							0.16	312	27.70		31.18		8.17		77.6		5.13		6.2					
						B	0.21	303	27.50	27.50	31.51	31.51	8.20	8.20	80.4	80.5	80.5	80.5	5.32	5.33	5.33		8.4	8.5
							0.21	303	27.50		31.50		8.20		80.5		5.33		8.5					
IM6	1	Fine	Rough	15:59	16.4	S	0.23	296	28.50	28.50	30.93	30.93	8.33	8.33	112.1	112.1	7.34	7.34	6.30	3.3	3.3	3.1		
							0.22	292	28.50		30.92		8.33		112.1		7.34			3.3				
						M	0.13	290	27.70	27.70	31.34	31.34	8.19	8.19	79.7	79.8	79.8	79.8	5.26	5.27	5.27		2.3	2.3
							0.08	287	27.70		31.34		8.19		79.8		5.27		2.4					
						B	0.14	280	27.70	27.70	31.29	31.29	8.17	8.17	77.9	77.9	77.9	77.9	5.14	5.15	5.15		3.6	3.6
							0.12	284	27.70		31.29		8.17		77.9		5.15		3.6					
F3	2	Fine	Rough	17:24	18.9	S	0.22	289	28.60	28.60	30.96	30.96	8.34	8.34	131.2	131.1	8.56	8.56	7.71	3.2	3.2	5.4		
							0.18	282	28.60		30.96		8.34		131.0		8.55			3.2				
						M	0.20	302	28.00	28.00	31.15	31.16	8.21	8.21	104.7	104.5	104.7	104.5	6.87	6.86	6.87		3.6	3.7
							0.16	299	28.00		31.16		8.21		104.3		6.84		3.7					
						B	0.20	303	27.70	27.70	31.41	31.41	8.18	8.18	91.7	91.7	91.7	91.7	6.04	6.04	6.04		9.5	9.4
							0.19	310	27.70		31.41		8.18		91.7		6.04		9.4					
IM6	2	Fine	Rough	17:06	16.8	S	0.20	304	28.70	28.70	30.80	30.80	8.32	8.32	126.6	126.6	8.26	8.26	6.88	3.6	3.6	3.8		
							0.15	303	28.70		30.79		8.32		126.5		8.26			3.6				
						M	0.25	292	27.90	27.90	31.18	31.18	8.19	8.19	83.4	83.4	83.4	83.4	5.50	5.50	5.50		3.6	3.7
							0.28	286	27.90		31.18		8.19		83.3		5.50		3.7					
						B	0.24	288	27.70	27.70	31.35	31.35	8.18	8.18	77.4	77.4	77.4	77.4	5.12	5.12	5.12		4.3	4.3
							0.23	293	27.70		31.35		8.18		77.4		5.12		4.3					

Remark: \* DA: Depth-Averaged

\*\* Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

\*\*\* S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2022/10/05

Tide: Ebb tide

Monitoring Station	Round	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation		Dissolved Oxygen (mg/L)			Turbidity (NTU)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
E2	1	Sunny	Moderate	07:37	8.3	S	0.08	111	28.10	28.10	30.63	30.63	8.20	8.20	103.6	103.6	6.83	6.83	6.66	1.1	1.1	4.4		
							0.12	104	28.10		30.63		8.20		103.6		6.83			1.1				
						M	0.06	108	28.20	28.20	30.74	30.74	8.17	8.17	98.6	98.6	6.48	6.48		6.48	6.48		2.6	2.6
							0.04	109	28.20		30.74		8.17		98.5		6.48			2.7				
						B	0.12	98	27.80	27.80	31.05	31.05	8.11	8.11	81.4	81.5	5.37	5.38		5.38	5.38		9.3	9.4
							0.08	98	27.80		31.04		8.11		81.5		5.38			9.4				
IM6	1	Sunny	Rough	08:06	17.4	S	0.23	120	27.80	27.80	31.30	31.30	8.25	8.25	98.3	98.3	6.49	6.49	6.36	1.7	1.7	2.7		
							0.20	119	27.80		31.30		8.25		98.3		6.49			1.7				
						M	0.19	132	27.70	27.70	31.86	31.86	8.27	8.27	94.5	94.5	6.23	6.23		6.23	6.23		2.7	2.7
							0.22	125	27.70		31.86		8.27		94.5		6.23			2.6				
						B	0.17	143	27.50	27.50	32.17	32.17	8.28	8.28	89.5	89.6	5.91	5.91		5.91	5.91		3.9	3.9
							0.14	147	27.50		32.17		8.28		89.6		5.91			3.9				
E2	2	Sunny	Moderate	09:37	8.1	S	0.10	95	28.40	28.40	30.84	30.84	8.32	8.32	122.6	122.6	8.03	8.03	7.64	1.1	1.1	3.7		
							0.06	98	28.40		30.84		8.32		122.6		8.03			1.1				
						M	0.18	100	28.40	28.40	31.21	31.21	8.29	8.29	110.8	110.9	7.25	7.25		7.25	7.25		1.4	1.4
							0.18	92	28.40		31.21		8.29		110.9		7.25			1.4				
						B	0.11	120	27.70	27.70	31.70	31.70	8.23	8.23	82.5	82.5	5.44	5.44		5.44	5.44		8.7	8.7
							0.11	116	27.70		31.70		8.23		82.5		5.44			8.7				
IM6	2	Sunny	Rough	09:09	16.9	S	0.25	115	27.90	27.90	31.29	31.29	8.26	8.26	101.8	101.8	6.71	6.71	6.57	1.0	1.0	2.5		
							0.26	121	27.90		31.29		8.26		101.8		6.71			1.1				
						M	0.19	102	27.80	27.80	31.62	31.63	8.27	8.27	97.6	97.6	6.43	6.43		6.43	6.43		0.2	0.2
							0.21	99	27.80		31.63		8.27		97.5		6.42			0.3				
						B	0.28	110	27.60	27.60	32.12	32.12	8.27	8.27	87.1	87.2	5.75	5.75		5.75	5.75		6.4	6.3
							0.31	102	27.60		32.12		8.27		87.2		5.75			6.3				

Remark: \* DA: Depth-Averaged

\*\* Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

\*\*\* S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2022/10/07

Tide: Flood tide

Monitoring Station	Round	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation		Dissolved Oxygen (mg/L)			Turbidity (NTU)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
F3	1	Fine	Rough	16:48	18.2	S	0.22	291	27.80	27.80	31.93	31.94	8.37	8.37	105.0	104.9	6.90	6.90	6.67	1.0	1.0	1.4
							0.19	293	27.80		31.95		8.37		104.7		6.89			1.1		
						M	0.16	279	27.60	27.60	32.09	32.09	8.37	8.37	97.8	97.8	6.45	6.45		1.1		
							0.15	277	27.60		32.09		8.37		97.8		6.45			1.2		
						B	0.18	282	27.60	27.65	32.07	32.06	8.38	8.39	99.4	99.7	6.55	6.57		2.1		
							0.14	274	27.70		32.05		8.39		99.9		6.58			2.0		
IM6	1	Fine	Rough	16:56	16.4	S	0.18	279	27.90	27.85	31.77	31.78	8.30	8.30	103.4	103.2	6.80	6.79	6.55	3.8	3.8	4.5
							0.15	282	27.80		31.79		8.30		103.0		6.78			3.8		
						M	0.25	301	27.70	27.70	31.86	31.87	8.30	8.30	95.7	95.8	6.30	6.31		4.7		
							0.23	307	27.70		31.87		8.30		95.8		6.31			4.7		
						B	0.24	291	27.70	27.75	31.83	31.82	8.31	8.31	96.9	97.2	6.38	6.40		5.0		
							0.24	289	27.80		31.80		8.31		97.5		6.42			5.1		
F3	2	Fine	Rough	18:12	18.4	S	0.21	277	27.90	27.90	31.98	31.99	8.27	8.27	108.9	108.7	7.15	7.14	6.81	1.0	1.0	1.3
							0.25	279	27.90		32.00		8.27		108.5		7.12			1.1		
						M	0.24	310	27.70	27.70	32.06	32.06	8.27	8.27	98.5	98.5	6.48	6.48		1.2		
							0.20	312	27.70		32.06		8.27		98.5		6.48			1.2		
						B	0.27	302	27.80	27.80	32.01	32.00	8.28	8.28	99.6	100.5	6.55	6.60		1.6		
							0.29	308	27.80		31.99		8.28		101.3		6.65			1.5		
IM6	2	Fine	Rough	18:01	16.6	S	0.27	296	27.80	27.80	31.92	31.93	8.26	8.26	105.3	105.1	6.92	6.91	6.62	2.7	2.7	3.8
							0.32	303	27.80		31.94		8.26		104.8		6.89			2.8		
						M	0.26	280	27.70	27.70	32.00	32.01	8.25	8.25	95.9	96.0	6.32	6.33		3.9		
							0.21	279	27.70		32.01		8.25		96.1		6.33			3.9		
						B	0.20	296	27.70	27.70	31.99	31.96	8.25	8.25	101.0	101.4	6.65	6.68		4.6		
							0.15	291	27.70		31.92		8.25		101.8		6.70			4.7		

Remark: \* DA: Depth-Averaged

\*\* Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

\*\*\* S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2022/10/07

Tide: Ebb tide

Monitoring Station	Round	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation		Dissolved Oxygen (mg/L)			Turbidity (NTU)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*			
E2	1	Fine	Rough	09:38	8.4	S	0.11	97	28.00	28.00	30.86	30.86	8.28	8.28	107.7	107.5	7.10	7.09	6.91	5.9	5.9	7.0			
							0.10	91	28.00		30.86		8.28		107.3		7.08			6.0					
						M	0.16	95	27.90	27.90	30.89	30.89	8.17	8.17	102.1	102.1	6.74	6.74		6.74	6.74		7.2	7.1	7.1
							0.13	99	27.90		30.89		8.16		102.0		6.73			7.1					
						B	0.15	122	27.90	27.90	30.89	30.88	8.12	8.12	95.9	96.1	6.33	6.35		6.35	6.35		8.0	8.0	8.0
							0.18	120	27.90		30.87		8.12		96.3		6.36			8.1					
IM6	1	Fine	Rough	10:14	16.4	S	0.28	116	27.60	27.60	32.18	32.18	8.29	8.29	94.1	94.1	6.19	6.19	6.21	1.7	1.7	2.6			
							0.30	116	27.60		32.18		8.29		94.1		6.19			1.7					
						M	0.25	96	27.60	27.60	32.23	32.23	8.30	8.31	94.4	94.5	6.22	6.22		6.22	6.22		2.3	2.4	2.4
							0.29	93	27.60		32.23		8.31		94.5		6.22			2.4					
						B	0.24	121	27.60	27.60	32.23	32.23	8.32	8.32	96.6	96.7	6.36	6.37		6.37	6.37		3.7	3.6	3.6
							0.24	121	27.60		32.22		8.32		96.8		6.38			3.6					
E2	2	Fine	Rough	11:51	8.2	S	0.13	97	28.00	28.00	31.58	31.58	8.35	8.35	105.1	104.8	6.91	6.89	6.67	7.4	7.4	8.3			
							0.15	97	28.00		31.58		8.35		104.5		6.86			7.4					
						M	0.15	109	27.90	27.90	31.60	31.60	8.34	8.34	98.5	98.2	6.48	6.46		6.46	6.46		8.0	8.1	8.1
							0.14	114	27.90		31.60		8.34		97.9		6.44			8.1					
						B	0.19	91	27.80	27.80	31.60	31.60	8.34	8.35	101.5	101.6	6.68	6.69		6.69	6.69		9.4	9.4	9.4
							0.16	91	27.80		31.59		8.35		101.6		6.69			9.5					
IM6	2	Fine	Rough	11:17	16	S	0.26	105	27.70	27.70	32.29	32.30	8.42	8.43	96.2	96.1	6.32	6.32	6.29	1.8	1.8	2.0			
							0.23	107	27.70		32.30		8.43		96.0		6.31			1.7					
						M	0.27	126	27.60	27.60	32.35	32.36	8.43	8.43	95.3	95.3	6.27	6.27		6.27	6.27		1.9	1.9	1.9
							0.23	119	27.60		32.36		8.43		95.3		6.26			1.9					
						B	0.29	105	27.60	27.60	32.37	32.37	8.45	8.46	95.3	95.3	6.27	6.27		6.27	6.27		2.4	2.4	2.4
							0.31	98	27.60		32.37		8.47		95.3		6.27			2.5					

Remark: \* DA: Depth-Averaged

\*\* Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

\*\*\* S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2022/10/10

Tide: Flood tide

Monitoring Station	Round	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation		Dissolved Oxygen (mg/L)			Turbidity (NTU)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
F3	1	Cloudy	Rough	05:48	18.5	S	0.21	273	27.00	27.00	31.57	31.57	8.18	8.18	91.1	91.1	6.08	6.08	6.08	10.6	10.6	9.8
							0.21	273	27.00		31.57		8.18		91.1		6.08			10.6		
						M	0.20	266	27.00	27.00	31.52	31.52	8.16	8.16	90.9	90.9	6.07	6.07		9.4	9.4	
							0.24	272	27.00		31.52		8.16		90.9		6.07			9.4		
						B	0.22	309	27.00	27.00	31.49	31.49	8.15	8.15	91.0	91.0	6.08	6.08		9.3	9.3	
							0.20	313	27.00		31.49		8.15		91.0		6.08			9.3		
IM6	1	Cloudy	Rough	06:18	16.4	S	0.25	287	27.00	27.00	31.62	31.63	8.20	8.20	91.0	91.1	6.07	6.07	6.06	9.6	9.5	10.3
							0.25	283	27.00		31.63		8.20		91.1		6.07			9.5		
						M	0.29	302	27.00	27.00	31.61	31.61	8.20	8.20	90.7	90.7	6.05	6.05		10.2	10.2	
							0.25	304	27.00		31.61		8.20		90.7		6.05			10.2		
						B	0.34	291	27.00	27.00	31.59	31.59	8.19	8.19	90.5	90.5	6.04	6.04		11.2	11.2	
							0.39	292	27.00		31.59		8.19		90.5		6.04			11.2		
F3	2	Cloudy	Rough	07:56	18.9	S	0.31	290	27.20	27.20	32.21	32.21	8.24	8.24	92.8	92.8	6.15	6.15	6.16	7.3	7.3	7.3
							0.35	284	27.20		32.21		8.24		92.8		6.15			7.3		
						M	0.29	305	27.20	27.20	32.22	32.22	8.23	8.23	93.1	93.1	6.17	6.17		7.2	7.2	
							0.32	302	27.20		32.22		8.23		93.1		6.17			7.2		
						B	0.36	287	27.20	27.20	32.22	32.22	8.22	8.22	94.1	94.2	6.24	6.25		7.6	7.6	
							0.33	288	27.20		32.22		8.22		94.2		6.25			7.6		
IM6	2	Cloudy	Rough	07:22	16.8	S	0.32	298	27.20	27.20	32.21	32.21	8.21	8.21	92.9	92.9	6.15	6.16	6.14	6.9	6.8	7.3
							0.34	294	27.20		32.21		8.21		92.9		6.15			6.8		
						M	0.30	281	27.20	27.20	32.17	32.17	8.20	8.20	92.4	92.4	6.12	6.12		7.1	7.1	
							0.35	274	27.20		32.16		8.20		92.4		6.12			7.1		
						B	0.28	278	27.20	27.20	32.13	32.13	8.21	8.21	92.2	92.2	6.11	6.11		7.9	7.9	
							0.26	275	27.20		32.13		8.21		92.2		6.11			7.9		

Remark: \* DA: Depth-Averaged

\*\* Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

\*\*\* S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed



Water Quality Monitoring Data Log Sheet

Date: 2022/10/10

Tide: Ebb tide

Monitoring Station	Round	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation		Dissolved Oxygen (mg/L)			Turbidity (NTU)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*		
E2	1	Fine	Rough	11:48	8.6	S	0.15	101	27.00	27.00	31.67	31.67	8.19	8.19	91.6	91.7	6.11	6.11	6.10	5.7	5.7	5.3		
							0.17	96	27.00		31.67		8.19		91.7		6.11			5.7				
						M	0.11	88	27.00	27.00	31.65	31.65	8.17	8.17	91.3	91.3	6.09	6.09		6.11	6.11		5.2	5.2
							0.15	82	27.00		31.65		8.17		91.3		6.09			5.2				
						B	0.10	104	27.00	27.00	31.62	31.63	8.17	8.17	91.6	91.6	6.11	6.11		6.11	6.11		4.9	4.9
							0.06	100	27.00		31.63		8.17		91.6		6.11			4.9				
IM6	1	Fine	Rough	12:13	16.4	S	0.23	123	27.20	27.20	31.84	31.84	8.26	8.27	95.6	95.6	6.35	6.35	6.32	2.8	2.9	3.2		
							0.22	120	27.20		31.84		8.27		95.6		6.35			2.9				
						M	0.23	113	27.20	27.20	31.93	31.93	8.24	8.24	94.6	94.7	6.29	6.29		6.30	6.30		3.1	3.1
							0.18	119	27.20		31.93		8.24		94.7		6.29			3.1				
						B	0.15	91	27.20	27.20	32.05	32.05	8.25	8.25	95.0	95.1	6.30	6.30		6.30	6.30		3.6	3.6
							0.11	88	27.20		32.05		8.25		95.1		6.30			3.6				
E2	2	Fine	Rough	13:49	8.1	S	0.14	104	26.90	26.90	31.79	31.79	8.21	8.21	91.4	91.4	6.10	6.10	6.15	7.0	7.0	7.2		
							0.17	101	26.90		31.79		8.21		91.4		6.10			7.0				
						M	0.09	117	26.90	26.90	31.79	31.79	8.20	8.20	92.6	92.7	6.19	6.19		6.16	6.16		7.0	7.0
							0.11	116	26.90		31.79		8.20		92.7		6.19			7.0				
						B	0.18	95	26.90	26.90	31.79	31.79	8.20	8.20	92.2	92.2	6.16	6.16		6.16	6.16		7.6	7.6
							0.23	99	26.90		31.79		8.20		92.2		6.16			7.6				
IM6	2	Fine	Rough	13:16	16	S	0.24	111	27.10	27.10	31.90	31.90	8.24	8.24	94.6	94.6	6.29	6.29	6.28	3.2	3.2	3.1		
							0.23	104	27.10		31.90		8.24		94.6		6.29			3.3				
						M	0.18	127	27.20	27.20	31.95	31.95	8.24	8.24	94.4	94.4	6.27	6.27		6.27	6.27		2.6	2.6
							0.13	128	27.20		31.95		8.24		94.4		6.27			2.6				
						B	0.22	119	27.20	27.20	32.18	32.18	8.26	8.27	96.1	96.1	6.37	6.37		6.37	6.37		3.4	3.5
							0.19	115	27.20		32.18		8.27		96.1		6.37			3.5				

Remark: \* DA: Depth-Averaged

\*\* Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

\*\*\* S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2022/10/12

Tide: Flood tide

Monitoring Station	Round	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation		Dissolved Oxygen (mg/L)			Turbidity (NTU)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*		
F3	1	Sunny	Rough	07:49	14.9	S	0.31	283	26.40	26.40	31.69	31.69	8.17	8.17	92.3	92.3	6.21	6.22	6.20	2.0	2.0	2.5		
							0.27	276	26.40		31.69		8.17		92.3		6.22			2.0				
						M	0.29	287	26.50	26.50	31.65	31.65	8.15	8.15	92.0	92.0	6.19	6.19		6.19	6.19		2.0	2.0
							0.27	286	26.50		31.65		8.15		92.0		6.19			2.1				
						B	0.27	300	26.60	26.60	31.72	31.72	8.13	8.13	92.2	92.2	6.19	6.19		6.19	6.19		3.3	3.4
							0.28	303	26.60		31.72		8.13		92.2		6.19			3.4				
IM6	1	Sunny	Rough	07:57	15.4	S	0.30	274	26.60	26.60	32.01	32.01	8.22	8.22	92.8	92.8	6.23	6.23	6.22	4.2	4.2	6.1		
							0.28	274	26.60		32.01		8.22		92.8		6.23			4.2				
						M	0.29	298	26.60	26.60	32.00	32.00	8.21	8.21	92.6	92.6	6.21	6.21		6.21	6.21		4.8	4.8
							0.30	298	26.60		32.00		8.21		92.6		6.21			4.8				
						B	0.27	295	26.60	26.60	32.02	32.03	8.21	8.21	92.1	92.1	6.17	6.17		6.17	6.17		9.3	9.4
							0.25	289	26.60		32.03		8.21		92.1		6.17			9.4				
F3	2	Sunny	Rough	09:18	15.1	S	0.23	290	26.60	26.60	32.04	32.04	8.24	8.24	93.4	93.4	6.27	6.27	6.23	2.5	2.5	5.2		
							0.23	292	26.60		32.04		8.24		93.4		6.27			2.5				
						M	0.31	304	26.60	26.60	32.09	32.09	8.23	8.23	92.3	92.3	6.18	6.18		6.18	6.18		4.4	4.5
							0.28	306	26.60		32.09		8.23		92.3		6.18			4.5				
						B	0.28	278	26.70	26.70	32.17	32.17	8.23	8.23	92.0	92.0	6.15	6.15		6.15	6.15		8.7	8.7
							0.25	272	26.70		32.17		8.23		92.0		6.15			8.7				
IM6	2	Sunny	Rough	09:05	15.8	S	0.23	278	26.50	26.50	31.99	31.99	8.22	8.22	93.2	93.2	6.26	6.26	6.25	2.7	2.7	3.9		
							0.23	283	26.50		31.99		8.22		93.2		6.26			2.7				
						M	0.30	272	26.50	26.50	32.00	32.00	8.22	8.22	93.0	93.0	6.24	6.24		6.24	6.24		3.1	3.1
							0.26	273	26.50		32.00		8.22		93.0		6.24			3.2				
						B	0.28	282	26.50	26.50	32.04	32.04	8.24	8.24	93.5	93.5	6.27	6.27		6.27	6.27		5.7	5.7
							0.23	280	26.50		32.04		8.24		93.5		6.27			5.7				

Remark: \* DA: Depth-Averaged

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\*\*\* S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2022/10/12

Tide: Ebb tide

Monitoring Station	Round	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation		Dissolved Oxygen (mg/L)			Turbidity (NTU)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*		
E2	1	Sunny	Rough	12:58	8.3	S	0.05	92	26.70	26.70	31.99	31.99	8.24	8.24	89.8	89.8	6.01	6.01	5.94	6.5	6.5	8.9		
							0.00	96	26.70		31.99		8.24		89.8		6.01			6.5				
						M	0.08	89	26.40	26.40	31.96	31.96	8.23	8.23	87.2	87.2	5.87	5.88		5.88	5.88		9.7	9.7
							0.05	87	26.40		31.96		8.23		87.2		5.88			9.7				
						B	0.07	119	26.30	26.30	31.91	31.91	8.23	8.23	89.0	89.0	6.00	6.01		6.01	6.01		10.6	10.6
							0.04	124	26.30		31.91		8.23		89.0		6.01			10.5				
IM6	1	Sunny	Rough	13:21	16.9	S	0.11	100	26.80	26.80	32.07	32.07	8.29	8.29	95.9	95.9	6.41	6.41	6.30	2.0	2.0	5.5		
							0.15	103	26.80		32.07		8.29		95.9		6.41			2.0				
						M	0.15	111	26.60	26.60	32.07	32.07	8.28	8.28	92.2	92.2	6.18	6.18		6.18	6.18		3.4	3.4
							0.14	110	26.60		32.07		8.28		92.2		6.18			3.4				
						B	0.14	92	26.60	26.60	32.09	32.09	8.28	8.28	90.6	90.6	6.07	6.07		6.07	6.07		11.1	11.1
							0.13	95	26.60		32.09		8.28		90.6		6.07			11.1				
E2	2	Sunny	Rough	14:53	8.1	S	0.12	114	26.70	26.70	31.82	31.82	8.22	8.22	91.7	91.8	6.15	6.15	6.12	4.3	4.3	4.5		
							0.16	113	26.70		31.82		8.22		91.8		6.15			4.3				
						M	0.12	101	26.60	26.60	31.82	31.82	8.21	8.21	90.8	90.8	6.09	6.09		6.09	6.09		4.4	4.4
							0.14	96	26.60		31.82		8.21		90.8		6.09			4.4				
						B	0.11	108	26.60	26.60	31.84	31.84	8.21	8.21	89.2	89.2	5.99	5.99		5.99	5.99		4.8	4.8
							0.12	100	26.60		31.84		8.21		89.1		5.98			4.8				
IM6	2	Sunny	Rough	14:25	16.5	S	0.19	96	26.80	26.80	32.05	32.05	8.31	8.31	96.4	96.4	6.44	6.44	6.32	2.1	2.1	6.0		
							0.20	98	26.80		32.05		8.31		96.4		6.44			2.1				
						M	0.22	107	26.60	26.60	32.10	32.10	8.31	8.31	92.6	92.6	6.21	6.21		6.21	6.21		3.2	3.2
							0.22	100	26.60		32.10		8.31		92.6		6.20			3.2				
						B	0.22	118	26.60	26.60	32.12	32.12	8.31	8.31	91.0	91.0	6.09	6.09		6.09	6.09		12.7	12.7
							0.25	113	26.60		32.12		8.31		91.0		6.09			12.7				

Remark: \* DA: Depth-Averaged

\*\* Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

\*\*\* S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2022/10/14

Tide: Flood tide

Monitoring Station	Round	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation		Dissolved Oxygen (mg/L)			Turbidity (NTU)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*		
F3	1	Fine	Rough	09:00	18.2	S	0.15	294	26.70	26.65	32.58	32.58	8.40	8.40	92.9	92.9	6.20	6.20	6.21	6.4	6.4	7.3		
							0.19	295	26.60		32.58		8.40		92.8		6.20			6.5				
						M	0.13	283	26.60	26.60	32.57	32.57	8.40	8.40	93.0	93.1	6.21	6.22		6.22	6.22		7.1	7.1
							0.13	276	26.60		32.57		8.40		93.1		6.22			7.2				
						B	0.15	311	26.60	26.60	32.52	32.52	8.40	8.40	94.0	94.0	6.28	6.28		6.28	6.28		8.3	8.3
							0.15	316	26.60		32.51		8.40		94.0		6.28			8.3				
IM6	1	Fine	Rough	09:07	16.4	S	0.13	275	26.40	26.40	32.22	32.22	8.29	8.29	90.9	90.9	6.10	6.10	6.12	6.3	6.3	7.2		
							0.17	273	26.40		32.22		8.29		90.9		6.10			6.3				
						M	0.13	292	26.40	26.40	32.19	32.19	8.30	8.30	91.4	91.5	6.14	6.15		6.15	6.15		7.1	7.1
							0.11	294	26.40		32.19		8.30		91.5		6.15			7.1				
						B	0.19	263	26.40	26.40	32.16	32.17	8.30	8.30	94.0	94.2	6.32	6.33		6.33	6.33		8.1	8.1
							0.19	265	26.40		32.17		8.30		94.3		6.34			8.2				
F3	2	Fine	Rough	10:18	18.4	S	0.16	290	26.80	26.75	32.42	32.42	8.27	8.27	93.3	93.3	6.23	6.23	6.23	4.7	4.8	6.1		
							0.20	288	26.70		32.42		8.27		93.2		6.22			4.9				
						M	0.24	287	26.60	26.60	32.39	32.39	8.27	8.28	92.9	93.1	6.22	6.23		6.23	6.23		6.0	6.0
							0.27	289	26.60		32.39		8.28		93.2		6.24			6.1				
						B	0.16	289	26.60	26.60	32.37	32.37	8.28	8.28	95.3	95.5	6.38	6.39		6.39	6.39		7.4	7.5
							0.16	294	26.60		32.37		8.28		95.6		6.40			7.5				
IM6	2	Fine	Rough	10:12	17	S	0.19	291	26.50	26.50	32.27	32.27	8.25	8.25	91.5	91.5	6.14	6.14	6.14	7.1	7.1	8.2		
							0.20	292	26.50		32.27		8.25		91.5		6.14			7.0				
						M	0.17	298	26.50	26.50	32.24	32.24	8.26	8.26	91.3	91.3	6.13	6.13		6.13	6.13		8.1	8.1
							0.22	296	26.50		32.24		8.26		91.3		6.13			8.2				
						B	0.18	278	26.50	26.50	32.19	32.19	8.27	8.27	92.7	94.4	6.22	6.34		6.34	6.34		9.4	9.4
							0.22	283	26.50		32.19		8.27		96.1		6.45			9.5				

Remark: \* DA: Depth-Averaged

\*\* Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

\*\*\* S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2022/10/14

Tide: Ebb tide

Monitoring Station	Round	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation		Dissolved Oxygen (mg/L)			Turbidity (NTU)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
E2	1	Fine	Rough	14:05	10	S	0.02	68	26.30	26.30	31.75	31.75	8.18	8.18	87.1	87.1	5.88	5.88	5.80	6.1	6.1	7.3
							0.00	73	26.30		31.75		8.18		87.0		5.87			6.2		
						M	0.05	75	26.30	26.30	31.72	31.72	8.17	8.17	84.9	84.9	5.73	5.73		7.8		
							0.03	72	26.30		31.71		8.17		84.8		5.73			7.8		
						B	0.03	79	26.30	26.30	31.71	31.71	8.17	8.17	86.2	86.4	5.82	5.83		8.0		
							0.04	81	26.30		31.71		8.17		86.5		5.84			8.1		
IM6	1	Fine	Rough	14:05	16.4	S	0.04	73	26.70	26.70	32.40	32.40	8.37	8.37	93.0	93.0	6.21	6.21	6.20	6.0	6.0	7.4
							0.06	78	26.70		32.40		8.37		92.9		6.21			6.1		
						M	0.01	77	26.60	26.60	32.41	32.41	8.38	8.38	92.4	92.5	6.18	6.19		7.4		
							0.05	74	26.60		32.41		8.38		92.5		6.19			7.5		
						B	0.05	83	26.60	26.60	32.40	32.40	8.39	8.39	94.4	94.6	6.32	6.33		8.9		
							0.03	87	26.60		32.39		8.39		94.7		6.34			8.8		
E2	2	Fine	Rough	15:11	8.4	S	0.03	100	26.30	26.25	31.98	31.98	8.21	8.21	90.3	90.3	6.09	6.09	6.08	4.2	4.2	6.0
							0.08	94	26.20		31.98		8.21		90.2		6.09			4.3		
						M	0.04	103	26.20	26.20	31.95	31.95	8.22	8.22	90.0	90.0	6.07	6.07		6.6		
							0.01	108	26.20		31.95		8.22		90.0		6.07			6.6		
						B	0.11	76	26.20	26.20	31.94	31.94	8.23	8.23	90.8	91.2	6.13	6.15		7.1		
							0.06	81	26.20		31.94		8.23		91.5		6.17			7.1		
IM6	2	Fine	Rough	15:11	16.6	S	0.10	109	26.70	26.70	32.34	32.34	8.26	8.26	93.3	93.3	6.24	6.24	6.22	3.3	3.3	4.6
							0.08	105	26.70		32.34		8.26		93.2		6.23			3.4		
						M	0.10	86	26.60	26.60	32.35	32.35	8.27	8.27	92.6	92.6	6.20	6.20		4.7		
							0.06	90	26.60		32.35		8.27		92.6		6.20			4.7		
						B	0.12	90	26.60	26.60	32.33	32.33	8.28	8.28	92.9	93.0	6.22	6.22		5.9		
							0.11	93	26.60		32.32		8.28		93.0		6.22			5.9		

Remark: \* DA: Depth-Averaged

\*\* Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

\*\*\* S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2022/10/17

Tide: Ebb tide

Monitoring Station	Round	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation		Dissolved Oxygen (mg/L)			Turbidity (NTU)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*		
E2	1	Fine	Rough	03:49	9.2	S	0.11	101	25.80	25.80	31.84	31.84	8.14	8.14	90.5	90.7	6.16	6.17	6.13	8.0	8.0	8.8		
							0.13	97	25.80		31.84		8.14		90.8		6.17			8.1				
						M	0.10	95	25.90	25.90	31.79	31.79	8.14	8.14	89.7	89.7	6.09	6.09		6.09			6.09	8.6
							0.08	102	25.90		31.79		8.14		89.7		6.09			8.6				
						B	0.08	124	25.90	25.90	31.74	31.74	8.13	8.13	89.7	89.8	6.10	6.10		6.10			6.10	9.8
							0.09	120	25.90		31.73		8.13		89.8		6.10			9.8				
IM6	1	Fine	Rough	04:24	16.8	S	0.17	118	25.30	25.25	32.07	32.07	8.16	8.16	92.9	93.0	6.37	6.38	6.36	3.6	3.6	4.8		
							0.16	122	25.20		32.07		8.16		93.0		6.38			3.6				
						M	0.22	130	25.30	25.30	32.05	32.05	8.15	8.15	92.5	92.5	6.34	6.34		6.34			6.34	4.9
							0.19	130	25.30		32.05		8.15		92.5		6.34			5.0				
						B	0.18	97	25.30	25.30	32.04	32.04	8.15	8.15	92.8	92.8	6.36	6.36		6.36			6.36	5.8
							0.18	92	25.30		32.04		8.15		92.8		6.36			5.9				
E2	2	Fine	Rough	05:56	8.9	S	0.16	119	25.90	25.90	32.13	32.13	8.19	8.19	89.4	89.4	6.06	6.06	6.04	9.5	9.5	9.5		
							0.14	122	25.90		32.13		8.19		89.4		6.06			9.5				
						M	0.20	119	25.90	25.90	32.12	32.12	8.21	8.21	88.8	88.8	6.02	6.02		6.02			6.02	10.0
							0.24	123	25.90		32.12		8.21		88.8		6.02			10.1				
						B	0.18	130	25.90	25.90	32.12	32.12	8.20	8.20	87.9	87.9	5.96	5.96		5.96			5.96	8.9
							0.14	129	25.90		32.12		8.20		87.9		5.96			8.9				
IM6	2	Fine	Rough	05:29	16.1	S	0.21	112	25.30	25.30	32.08	32.08	8.18	8.18	92.1	92.1	6.31	6.31	6.20	2.5	2.5	3.4		
							0.17	107	25.30		32.08		8.18		92.1		6.31			2.5				
						M	0.23	115	25.30	25.30	32.07	32.07	8.18	8.18	89.7	89.7	6.08	6.08		6.08			6.08	3.5
							0.27	120	25.30		32.07		8.18		89.7		6.08			3.5				
						B	0.21	111	25.30	25.30	32.07	32.07	8.17	8.17	89.2	89.2	6.04	6.04		6.04			6.04	4.2
							0.23	115	25.30		32.07		8.17		89.2		6.04			4.3				

Remark: \* DA: Depth-Averaged

\*\* Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

\*\*\* S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2022/10/22

Tide: Flood tide

Monitoring Station	Round	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation		Dissolved Oxygen (mg/L)			Turbidity (NTU)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*			
F3	1	Fine	Calm	16:25	17.7	S	0.93	255	25.96	25.98	33.61	33.62	8.12	8.12	100.6	101.1	6.76	6.79	6.60	3.6	3.5	8.7			
							0.93	255	25.99		33.62		8.12		101.5		6.81			3.4					
						M	0.23	274	25.58	25.58	33.64	33.64	8.10	8.10	94.9	95.1	6.41	6.42		6.41	6.42		6.41	6.7	6.3
							0.23	274	25.58		33.64		8.10		95.2		6.43			5.8					
						B	0.41	241	25.58	25.58	33.65	33.65	8.10	8.10	95.0	94.8	6.42	6.41		6.41	6.41		6.41	16.5	16.4
							0.93	268	25.58		33.65		8.10		94.5		6.39			16.3					
IM6	1	Fine	Calm	16:14	16	S	1.13	343	25.92	25.95	33.34	33.34	8.08	8.08	103.3	103.7	6.95	6.98	6.80	4.1	4.0	7.4			
							1.11	314	25.97		33.34		8.08		104.1		7.00			3.9					
						M	0.50	277	25.67	25.69	33.50	33.49	8.08	8.08	97.5	98.1	6.58	6.62		6.62	6.62		6.62	6.6	6.4
							0.50	277	25.70		33.48		8.08		98.6		6.66			6.1					
						B	0.12	331	25.59	25.60	33.58	33.58	8.07	8.08	96.5	96.5	6.52	6.52		6.52	6.52		6.52	11.7	11.7
							0.41	67	25.60		33.58		8.08		96.4		6.51			11.7					
F3	2	Fine	Calm	17:25	18	S	0.83	347	26.55	26.57	33.71	33.71	8.17	8.17	103.9	105.8	6.90	7.03	6.76	2.9	2.7	7.3			
							0.81	141	26.58		33.71		8.17		107.6		7.15			2.5					
						M	0.37	337	25.62	25.62	33.67	33.67	8.14	8.14	96.1	96.2	6.49	6.50		6.50	6.50		6.50	6.1	5.8
							0.37	337	25.62		33.67		8.14		96.2		6.50			5.5					
						B	0.63	333	25.63	25.63	33.67	33.67	8.14	8.14	95.5	95.3	6.45	6.44		6.44	6.44		6.44	13.4	13.3
							0.55	259	25.63		33.67		8.14		95.1		6.42			13.1					
IM6	2	Fine	Calm	17:13	16	S	1.48	150	25.91	25.94	33.59	33.58	8.14	8.14	100.6	101.3	6.76	6.81	6.74	3.4	3.4	6.7			
							0.66	280	25.97		33.57		8.14		102.0		6.85			3.4					
						M	0.30	274	25.80	25.80	33.62	33.62	8.14	8.14	98.7	99.0	6.65	6.67		6.67	6.67		6.67	6.0	5.7
							0.30	274	25.79		33.62		8.14		99.2		6.68			5.4					
						B	0.14	86	25.69	25.69	33.65	33.65	8.15	8.15	97.2	96.9	6.56	6.54		6.54	6.54		6.54	10.5	11.0
							0.90	263	25.68		33.65		8.14		96.6		6.52			11.4					

Remark: \* DA: Depth-Averaged

\*\* Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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Water Quality Monitoring Data Log Sheet

Date: 2022/10/22

Tide: Ebb tide

Monitoring Station	Round	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation		Dissolved Oxygen (mg/L)			Turbidity (NTU)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*		
E2	1	Fine	Calm	10:09	9	S	0.74	105	25.44	25.42	33.26	33.26	8.05	8.05	96.2	96.5	6.53	6.55	6.47	8.8	8.5	13.1		
							0.84	145	25.39		33.26		8.05		96.7		6.57			8.1				
						M	0.63	160	25.28	25.28	33.28	33.28	8.04	8.05	93.7	93.7	6.38	6.38		6.38	6.38		12.5	12.3
							0.63	160	25.28		33.28		8.05		93.7		6.38			12.1				
						B	0.53	227	25.28	25.28	33.28	33.28	8.03	8.04	95.5	94.7	6.50	6.45		6.45	6.45		16.7	18.5
							0.53	227	25.27		33.28		8.04		93.9		6.39			20.2				
IM6	1	Fine	Calm	09:38	17	S	0.35	118	25.96	25.95	33.71	33.71	8.09	8.09	99.6	100.1	6.69	6.72	6.67	3.8	3.9	7.9		
							0.35	118	25.93		33.71		8.09		100.5		6.75			6.63			5.5	
						M	0.78	68	25.71	25.71	33.71	33.71	8.09	8.09	98.2	98.3	6.62	6.63		6.63	6.63		4.5	5.0
							0.78	68	25.71		33.71		8.09		98.3		6.63			6.63			4.5	
						B	0.42	91	25.71	25.71	33.72	33.72	8.08	8.08	97.9	97.3	6.60	6.56		6.56	6.56		15.1	14.8
							0.34	182	25.71		33.72		8.08		96.7		6.52			14.5				
E2	2	Fine	Calm	11:12	9	S	0.55	124	25.43	25.41	33.28	33.29	8.06	8.06	96.0	96.5	6.52	6.56	6.39	7.0	6.8	18.1		
							0.84	111	25.39		33.29		8.06		97.0		6.59			6.5				
						M	0.82	171	25.32	25.31	33.35	33.35	8.05	8.05	91.4	91.6	6.21	6.23		6.23	6.23		18.4	17.6
							0.82	171	25.30		33.34		8.05		91.8		6.24			16.8				
						B	0.08	15	25.34	25.34	33.36	33.36	8.03	8.04	92.9	91.9	6.31	6.24		6.24	6.24		28.7	30.1
							0.58	165	25.34		33.36		8.04		90.8		6.17			31.4				
IM6	2	Fine	Calm	10:41	17	S	1.90	97	26.36	26.35	33.72	33.71	8.12	8.12	101.8	102.0	6.79	6.81	6.73	3.4	3.3	6.9		
							1.40	100	26.33		33.70		8.12		102.2		6.82			3.2				
						M	1.25	115	25.68	25.68	33.71	33.71	8.12	8.12	98.3	98.5	6.63	6.65		6.65	6.65		5.8	6.1
							1.15	95	25.67		33.71		8.12		98.7		6.66			6.4				
						B	0.37	195	25.68	25.68	33.72	33.72	8.11	8.12	98.3	98.0	6.63	6.61		6.61	6.61		10.4	11.3
							0.13	23	25.68		33.72		8.12		97.7		6.59			12.1				

Remark: \* DA: Depth-Averaged

\*\* Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

\*\*\* S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed



Water Quality Monitoring Data Log Sheet

Date: 2022/10/29

Tide: Flood tide

Monitoring Station	Round	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation		Dissolved Oxygen (mg/L)			Turbidity (NTU)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*		
F3	1	Fine	Calm	09:08	17.3	S	0.19	342	25.15	25.15	33.70	33.70	8.07	8.07	98.8	99.2	6.72	6.75	6.68	2.0	2.1	8.1		
							0.91	282	25.15		33.70		8.07		99.6		6.78			2.1				
						M	1.06	341	25.09	25.09	33.73	33.73	8.06	8.06	97.3	97.1	6.63	6.61		6.63	6.61		2.9	2.9
							0.49	109	25.09		33.73		8.06		96.8		6.59			2.8				
						B	0.72	325	25.10	25.10	33.80	33.80	8.07	8.07	97.3	97.4	6.62	6.63		6.63	6.63		20.2	19.3
							0.72	226	25.10		33.80		8.07		97.4		6.63			18.4				
IM6	1	Fine	Calm	08:54	16	S	0.66	334	25.21	25.21	33.68	33.68	8.05	8.05	98.2	98.3	6.68	6.69	6.66	3.2	3.1	6.5		
							0.66	334	25.21		33.68		8.05		98.4		6.69			3.0				
						M	0.30	353	25.19	25.19	33.68	33.69	8.04	8.05	97.7	97.6	6.64	6.64		6.64	6.64		3.8	3.7
							0.38	356	25.19		33.69		8.05		97.5		6.63			3.6				
						B	0.72	224	25.15	25.15	33.75	33.75	8.05	8.05	97.5	97.2	6.63	6.61		6.61	6.61		11.9	12.8
							0.72	224	25.15		33.74		8.05		96.9		6.59			13.7				
F3	2	Fine	Calm	10:07	17.4	S	0.19	315	25.29	25.30	33.71	33.71	8.09	8.09	99.3	99.7	6.74	6.77	6.67	2.0	2.0	5.1		
							0.19	315	25.30		33.71		8.09		100.1		6.79			1.9				
						M	0.66	260	25.08	25.08	33.75	33.75	8.09	8.09	96.4	96.4	6.57	6.57		6.57	6.57		2.8	2.7
							0.47	166	25.08		33.75		8.09		96.4		6.57			2.5				
						B	0.51	149	25.08	25.08	33.79	33.79	8.09	8.10	97.8	97.3	6.66	6.63		6.63	6.63		10.7	10.8
							0.25	171	25.08		33.79		8.10		96.8		6.59			10.8				
IM6	2	Fine	Calm	09:54	16.1	S	0.58	166	25.21	25.21	33.66	33.67	8.08	8.08	98.7	99.2	6.71	6.74	6.72	3.1	3.0	6.7		
							0.58	166	25.21		33.67		8.08		99.6		6.77			2.8				
						M	0.48	88	25.17	25.17	33.68	33.69	8.07	8.08	98.3	98.5	6.69	6.70		6.70	6.70		4.6	4.4
							0.29	102	25.17		33.69		8.08		98.7		6.71			4.1				
						B	0.19	133	25.13	25.13	33.73	33.73	8.06	8.07	97.9	98.0	6.66	6.67		6.67	6.67		12.7	12.7
							0.45	337	25.13		33.73		8.07		98.1		6.68			12.6				

Remark: \* DA: Depth-Averaged

\*\* Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

\*\*\* S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2022/10/29

Tide: Ebb tide

Monitoring Station	Round	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation		Dissolved Oxygen (mg/L)			Turbidity (NTU)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	
E2	1	Fine	Calm	15:05	9.2	S	0.83	334	26.03	26.03	33.47	33.47	8.11	8.11	105.2	106.3	7.06	7.13	6.88	3.0	2.8	4.5	
							0.83	334	26.03	33.47	8.11		8.11	107.3	7.20	2.5							
						M	0.41	183	25.45	25.46	33.46	33.46	8.08	8.08	97.0	97.6	6.58	6.62	6.54	6.54	5.2		5.2
							0.89	185	25.46	33.46	8.08		8.08	98.2	6.66		6.1						
						B	0.13	207	25.38	25.38	33.45	33.45	8.07	8.07	96.3	96.3	6.54	6.54	6.54	5.2	5.2		
							0.27	139	25.37	33.45	8.07		8.07	96.3	6.54		5.1						
IM6	1	Fine	Calm	14:33	16.6	S	0.34	208	25.53	25.52	33.70	33.70	8.10	8.10	103.3	103.3	6.98	6.99	6.85	2.0	2.1	4.3	
							0.34	208	25.50	33.70	8.10		8.10	103.3	6.99	2.2							
						M	0.25	136	25.23	25.26	33.73	33.73	8.10	8.10	98.3	98.8	6.68	6.71	6.69	6.69	4.0		3.7
							0.34	147	25.29	33.73	8.10		8.10	99.3	6.74		3.4						
						B	0.68	117	25.07	25.07	33.79	33.79	8.10	8.10	98.1	98.2	6.68	6.69	6.69	6.9	7.1		
							0.81	135	25.07	33.79	8.10		8.10	98.2	6.69		7.3						
E2	2	Fine	Calm	16:07	9.2	S	0.73	312	25.86	25.90	33.46	33.46	8.13	8.13	106.9	107.4	7.20	7.23	6.94	2.4	2.5	9.0	
							0.73	312	25.94	33.46	8.13		8.13	107.8	7.25	2.5							
						M	0.45	157	25.46	25.46	33.45	33.45	8.10	8.10	98.1	98.2	6.65	6.66	6.41	6.41	6.1		6.0
							0.45	157	25.46	33.45	8.10		8.10	98.2	6.66		5.8						
						B	0.05	213	25.38	25.38	33.46	33.46	8.08	8.08	95.1	94.4	6.46	6.41	6.41	17.6	18.7		
							0.62	181	25.38	33.46	8.08		8.08	93.6	6.35		19.8						
IM6	2	Fine	Calm	15:36	16.6	S	0.55	328	26.36	26.38	33.29	33.29	8.14	8.14	113.9	115.3	7.61	7.70	7.20	0.6	0.6	8.2	
							0.55	328	26.39	33.28	8.14		8.14	116.6	7.79	0.5							
						M	0.36	9	25.20	25.20	33.72	33.72	8.11	8.11	98.7	98.7	6.71	6.71	6.61	6.61	3.6		3.5
							1.23	22	25.20	33.72	8.11		8.11	98.6	6.70		3.4						
						B	0.81	323	25.08	25.08	33.76	33.76	8.10	8.11	97.3	97.0	6.63	6.61	6.61	19.9	20.5		
							0.60	174	25.08	33.76	8.11		8.11	96.6	6.58		21.1						

Remark: \* DA: Depth-Averaged

\*\* Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

\*\*\* S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

**Table G.1a** Level of Dissolved Oxygen (DO) (Surface & Middle) during Ebb Tide

Monitoring Date	Station	Round	Mean DO (mg/L)	Action Level	Limit Level
03-Oct-2022	E2	1	5.70	< 4.1	< 3.0
		2	5.75		
	IM6	1	5.93		
		2	5.88		
05-Oct-2022	E2	1	6.66		
		2	7.64		
	IM6	1	6.36		
		2	6.57		
07-Oct-2022	E2	1	6.91		
		2	6.67		
	IM6	1	6.21		
		2	6.29		
10-Oct-2022	E2	1	6.10		
		2	6.15		
	IM6	1	6.32		
		2	6.28		
12-Oct-2022	E2	1	5.94		
		2	6.12		
	IM6	1	6.30		
		2	6.32		
14-Oct-2022	E2	1	5.80		
		2	6.08		
	IM6	1	6.20		
		2	6.22		
17-Oct-2022	E2	1	6.13		
		2	6.04		
	IM6	1	6.36		
		2	6.20		
22-Oct-2022	E2	1	6.47		
		2	6.39		

29-Oct-2022	IM6	1	6.67		
		2	6.73		
	E2	1	6.88		
		2	6.94		
	IM6	1	6.85		
		2	7.20		

**Table G.1b** Level of Dissolved Oxygen (DO) (Surface & Middle) during Flood Tide

Monitoring Date	Station	Round	Mean DO (mg/L)	Action Level	Limit Level
03-Oct-2022	F3	1	6.13	< 4.1	< 3.0
		2	6.18		
	IM6	1	6.09		
		2	6.11		
05-Oct-2022	F3	1	6.74		
		2	7.71		
	IM6	1	6.30		
		2	6.88		
07-Oct-2022	F3	1	6.67		
		2	6.81		
	IM6	1	6.55		
		2	6.62		
10-Oct-2022	F3	1	6.08		
		2	6.16		
	IM6	1	6.06		
		2	6.14		
12-Oct-2022	F3	1	6.20		
		2	6.23		
	IM6	1	6.22		
		2	6.25		
14-Oct-2022	F3	1	6.21		

		2	6.23		
	IM6	1	6.12		
		2	6.14		
17-Oct-2022	F3	1	/		
		2	/		
	IM6	1	/		
		2	/		
22-Oct-2022	F3	1	6.60		
		2	6.76		
	IM6	1	6.80		
		2	6.74		
29-Oct-2022	F3	1	6.68		
		2	6.67		
	IM6	1	6.66		
		2	6.72		

**Table G.2a** Level of Dissolved Oxygen (Bottom) during Ebb Tide

Monitoring Date	Station	Round	Mean DO (mg/L)	Action Level	Limit Level
03-Oct-2022	E2	1	5.65	< 2.7	< 2.0
		2	5.66		
	IM6	1	6.13		
		2	5.68		
05-Oct-2022	E2	1	5.38		
		2	5.44		
	IM6	1	5.91		
		2	5.75		
07-Oct-2022	E2	1	6.35		
		2	6.69		
	IM6	1	6.37		
		2	6.27		

10-Oct-2022	E2	1	6.11		
		2	6.16		
	IM6	1	6.30		
		2	6.37		
12-Oct-2022	E2	1	6.01		
		2	5.99		
	IM6	1	6.07		
		2	6.09		
14-Oct-2022	E2	1	5.83		
		2	6.15		
	IM6	1	6.33		
		2	6.22		
17-Oct-2022	E2	1	6.10		
		2	5.96		
	IM6	1	6.36		
		2	6.04		
22-Oct-2022	E2	1	6.45		
		2	6.24		
	IM6	1	6.56		
		2	6.61		
29-Oct-2022	E2	1	6.54		
		2	6.41		
	IM6	1	6.69		
		2	6.61		

**Table G.2b** Level of Dissolved Oxygen (Bottom) during Flood Tide

Monitoring Date	Station	Round	Mean DO (mg/L)	Action Level	Limit Level
03-Oct-2022	F3	1	6.12	< 2.7	< 2.0
		2	6.10		
	IM6	1	6.04		

		2	6.06		
05-Oct-2022	F3	1	5.33		
		2	6.04		
	IM6	1	5.15		
		2	5.12		
07-Oct-2022	F3	1	6.57		
		2	6.60		
	IM6	1	6.40		
		2	6.68		
10-Oct-2022	F3	1	6.08		
		2	6.25		
	IM6	1	6.04		
		2	6.11		
12-Oct-2022	F3	1	6.19		
		2	6.15		
	IM6	1	6.17		
		2	6.27		
14-Oct-2022	F3	1	6.28		
		2	6.39		
	IM6	1	6.33		
		2	6.34		
17-Oct-2022	F3	1	/		
		2	/		
	IM6	1	/		
		2	/		
22-Oct-2022	F3	1	6.41		
		2	6.44		
	IM6	1	6.52		
		2	6.54		
29-Oct-2022	F3	1	6.63		
		2	6.63		
	IM6	1	6.61		
		2	6.67		