

ANNEX G

MARINE WATER QUALITY MONITORING RESULTS FOR HYDROTESTING

Water Quality Monitoring Data Log Sheet

Date: 2022/08/16

Tide: Ebb tide

Monitoring Station	Round	Weather Condition	Sea Condition**	Sampling Time	Water Depth	Depth Level ***	Current Velocity (m/s)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation		Dissolved Oxygen (mg/L)			Turbidity (NTU)			
							Value	Direction	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average
E2	1	FINE	Calm	13:51	9.8	S	0.45	296	29.57	29.57	27.47	27.47	8.25	8.25	139.00	139.1	9.10	9.11	8.47	1.0	1.0	1.7	
							0.34	157	29.56	29.56	27.46	27.46	8.25	8.25	139.20	139.1	9.11	9.11		1.0	1.0		
						M	0.16	289	29.04	29.05	28.14	28.14	8.18	8.18	118.30	119.1	7.78	7.83		1.7	1.9		
							0.44	36	29.05	29.05	28.13	28.13	8.18	8.18	119.80	119.1	7.88	7.83		2.0	1.9		
						B	0.17	279	28.35	28.35	29.01	29.02	8.06	8.06	89.40	88.9	5.92	5.89		5.89	1.8		2.1
							0.41	303	28.34	28.35	29.02	29.02	8.06	8.06	88.40	88.9	5.85	5.89		5.89	2.4		2.1
IM6	1	FINE	Calm	14:25	16.9	S	0.50	173	29.65	29.69	27.51	27.47	8.28	8.29	135.10	137.2	8.83	8.97	7.82	1.4	1.5	1.5	
							0.50	173	29.72	29.69	27.42	27.47	8.29	8.29	139.30	137.2	9.10	8.97		1.4	1.5		
						M	1.55	51	28.24	28.25	30.02	30.02	8.17	8.18	100.10	101.2	6.60	6.67		0.0	0.3		
							0.63	77	28.25	28.25	30.02	30.02	8.18	8.18	102.20	101.2	6.74	6.67		0.6	0.3		
						B	0.31	259	26.15	26.14	32.74	32.74	7.99	7.99	68.50	65.5	4.61	4.41		4.41	2.7		2.9
							0.31	259	26.13	26.14	32.74	32.74	7.99	7.99	62.50	65.5	4.21	4.41		4.41	3.0		2.9
E2	2	FINE	Calm	15:04	9.5	S	0.68	245	29.65	29.62	27.68	27.70	8.35	8.35	159.80	160.8	10.43	10.50	8.03	1.3	1.4	4.4	
							0.68	245	29.59	29.62	27.72	27.70	8.35	8.35	161.70	160.8	10.57	10.50		1.5	1.4		
						M	0.10	338	28.29	28.29	29.14	29.15	8.09	8.09	84.90	84.0	5.62	5.56		4.7	4.3		
							0.17	270	28.28	28.29	29.15	29.15	8.09	8.09	83.00	84.0	5.50	5.56		3.9	4.3		
						B	0.09	251	28.16	28.16	29.37	29.37	8.07	8.07	81.50	80.1	5.40	5.31		5.31	6.8		7.4
							0.09	251	28.16	28.16	29.36	29.37	8.07	8.07	78.60	80.1	5.21	5.31		5.31	7.9		7.4
IM6	2	FINE	Calm	15:41	16.6	S	0.92	96	30.13	30.16	27.27	27.26	8.33	8.33	144.40	145.6	9.38	9.45	7.98	0.0	0.0	0.6	
							0.20	3	30.19	30.16	27.25	27.26	8.33	8.33	146.70	145.6	9.52	9.45		0.0	0.0		
						M	0.67	251	28.39	28.39	29.44	29.45	8.19	8.19	97.40	98.5	6.43	6.50		0.0	0.0		
							0.37	141	28.39	28.39	29.45	29.45	8.19	8.19	99.50	98.5	6.57	6.50		0.0	0.0		
						B	0.58	65	26.35	26.32	32.62	32.64	8.03	8.03	63.80	62.6	4.28	4.20		4.20	1.8		1.9
							0.58	65	26.29	26.32	32.65	32.64	8.03	8.03	61.40	62.6	4.12	4.20		4.20	1.9		1.9

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: 2022/08/16

Tide: Flood tide

Monitoring Station	Round	Weather Condition	Sea Condition**	Sampling Time	Water Depth	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	FINE	Calm	8:14	18.2	S	0.47	93	28.84	28.86	27.47	27.35	8.21	8.22	107.3	108.0	7.11	7.16	6.50	0.0	0.1	1.3
							0.47	93	28.88		27.22		8.22		108.7		7.21			0.1		
							0.27	78	27.80		30.41		8.16		87.8		5.82			0.0		
						M	0.27	78	27.84	30.33	8.17	88.3	5.85	0.0								
							B	0.69	302	26.37	26.37	32.42	32.43	8.14	62.3	4.18	4.17	3.9		4.0		
								0.79	247	26.36		32.43		8.11	61.8	4.15	4.0					
IM6	1	FINE	Calm	8:32	16.0	S	0.56	321	29.02	29.03	27.40	27.38	8.20	8.21	113.7	115.3	7.51	7.62	6.83	0.0	0.0	0.5
							0.56	321	29.04		27.36		8.22		116.9		7.72			0.0		
							0.30	149	27.96		29.98		8.13		91.1		6.04			0.0		
						M	0.32	227	27.96	29.98	8.14	91.3	6.05	0.0								
							B	1.54	359	27.44	27.41	31.23	31.27	8.08	86.2	5.72	5.64	1.3		1.4		
								1.54	359	27.38		31.30		8.10	83.6	5.55	1.4					
F3	2	FINE	Calm	9:25	18.0	S	1.37	291	28.70	28.75	27.26	27.13	8.20	8.20	99.5	100.4	6.61	6.67	6.31	0.6	0.7	1.6
							1.37	291	28.79		27.00		8.20		101.3		6.73			0.7		
							0.44	273	27.90		30.33		8.14		89.7		5.94			0.6		
						M	0.44	273	27.91	30.25	8.15	90.1	5.97	0.6								
							B	0.91	292	26.03	26.03	32.82	32.82	8.09	65.2	4.39	4.25	3.5		3.5		
								0.55	199	26.02		32.82		8.08	61.0	4.11	3.5					
IM6	2	FINE	Calm	9:40	16.3	S	0.56	239	28.99	29.00	27.15	27.16	8.24	8.25	115.0	115.3	7.61	7.63	6.90	0.0	0.0	1.3
							0.44	8	29.00		27.16		8.25		115.5		7.64			0.0		
							0.32	33	27.96		30.14		8.17		92.5		6.13			0.0		
						M	0.32	33	27.97	30.12	8.18	93.7	6.21	0.0								
							B	0.21	290	27.32	27.31	31.43	31.45	8.16	83.9	5.58	5.46	4.1		3.8		
								0.21	290	27.29		31.47		8.15	80.3	5.34	3.5					

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: 2022/08/23

Tide: Ebb tide

Monitoring Station	Round	Weather Condition	Sea Condition**	Sampling Time	Water Depth	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	Calm	10:28	9.0	S	0.88	115	29.84	29.88	25.33	25.78	8.54	8.54	135.5	137.1	8.65	8.90	7.97	0.8	1.9	1.2
							0.88	115	29.92	29.00	26.23	28.85	8.30	8.30	138.6	102.1	9.15	7.04		0.7		
						M	0.30	188	28.99	29.00	28.86	28.85	8.30	8.30	101.2	102.1	7.01	7.04		1.8		
							0.58	115	29.00	29.00	28.84	28.85	8.30	8.30	103.0	102.1	7.06	7.04		2.0		
						B	0.28	238	28.70	28.63	30.96	31.09	8.25	8.24	73.8	70.5	7.42	7.14		1.0		
							0.28	238	28.56	28.63	31.21	31.09	8.23	8.24	67.1	70.5	6.86	7.14		1.1		
IM6	1	FINE	Calm	9:50	17.0	S	0.45	111	29.79	29.81	22.13	22.09	8.60	8.60	137.2	138.7	9.22	9.32	8.01	0.0	0.0	0.6
							0.45	111	29.82	29.81	22.04	22.09	8.60	8.60	140.2	138.7	9.42	9.32		0.0		
						M	0.39	122	28.84	28.87	30.69	30.62	8.30	8.31	103.6	103.0	6.74	6.70		0.0		
							0.88	136	28.89	28.87	30.54	30.62	8.31	8.31	102.3	103.0	6.66	6.70		0.0		
						B	0.48	156	26.63	26.63	33.48	33.48	8.02	8.04	74.4	72.2	4.94	4.80		1.8		
							0.29	118	26.63	26.63	33.47	33.48	8.06	8.04	70.0	72.2	4.65	4.80		1.8		
E2	2	FINE	Calm	11:36	8.8	S	0.31	249	30.07	30.03	25.19	25.96	8.55	8.55	140.0	144.7	9.20	9.48	7.71	0.8	1.3	1.2
							0.40	328	29.99	30.03	26.72	29.99	8.54	8.55	149.4	144.7	9.75	9.48		0.7		
						M	0.38	353	28.69	28.73	29.50	29.45	8.24	8.25	88.9	90.5	5.84	5.94		1.4		
							0.13	339	28.77	28.73	29.39	29.45	8.26	8.25	92.0	90.5	6.04	5.94		1.2		
						B	0.67	147	28.36	28.35	31.42	31.43	8.19	8.19	85.5	84.3	5.59	5.51		1.5		
							0.47	130	28.34	28.35	31.44	31.43	8.19	8.19	83.1	84.3	5.43	5.51		1.7		
IM6	2	FINE	Calm	10:57	16.2	S	0.66	78	29.86	29.86	23.77	23.82	8.07	8.07	131.2	135.5	9.01	9.11	7.87	0.0	0.0	0.5
							0.66	78	29.85	29.86	23.86	23.82	8.06	8.07	139.7	135.5	9.21	9.11		0.1		
						M	0.53	72	28.94	28.95	30.66	30.67	8.33	8.33	106.9	107.3	6.58	6.64		0.0		
							0.66	76	28.95	28.95	30.67	30.67	8.33	8.33	107.7	107.3	6.69	6.64		0.0		
						B	0.58	317	26.67	26.64	33.41	33.43	8.56	8.56	114.0	109.7	4.90	4.68		1.5		
							0.58	317	26.61	26.64	33.44	33.43	8.56	8.56	105.3	109.7	4.46	4.68		1.6		

Remark: * DA: Depth-Averaged

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Water Quality Monitoring Data Log Sheet

Date: 2022/08/23

Tide: Flood tide

Monitoring Station	Round	Weather Condition	Sea Condition**	Sampling Time	Water Depth	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	FINE	Calm	17:03	17.0	S	0.47	335	31.02	31.04	24.83	24.82	8.54	8.54	137.7	138.0	8.93	8.95	7.72	0.0	0.0	0.9	
							0.47	335	31.06		24.80	24.82	8.54	8.54	138.3	138.0	8.97	8.95		0.0	0.0		
						M	0.23	157	28.38	28.36	31.72	31.83	8.27	8.27	99.1	99.4	6.46	6.48		0.0	0.0		
							0.08	46	28.34		31.94	31.83	8.26	8.27	99.7	99.4	6.50	6.48		0.0	0.0		
						B	0.49	14	25.38	25.37	33.85	33.85	7.98	7.99	63.2	60.7	4.28	4.11		4.11	2.7		2.8
							0.49	197	25.36		33.85	33.85	8.00	7.99	58.1	60.7	3.94	4.11		4.11	2.9		2.8
IM6	1	FINE	Calm	17:17	16.0	S	0.17	161	30.53	30.56	24.89	24.85	8.54	8.54	134.2	136.2	8.77	8.90	7.42	0.0	0.0	1.7	
							0.17	161	30.59		24.80	24.85	8.54	8.54	138.1	136.2	9.02	8.90		0.0	0.0		
						M	0.12	309	28.58	28.63	30.62	30.44	8.26	8.28	89.2	90.9	5.83	5.95		0.6	0.7		
							0.21	143	28.68		30.25	30.44	8.29	8.28	92.6	90.9	6.06	5.95		0.7	0.7		
						B	0.56	38	25.99	26.01	33.70	33.69	8.02	8.03	63.1	61.1	4.23	4.10		4.10	4.5		4.3
							0.28	9	26.02		33.68	33.69	8.03	8.03	59.0	61.1	3.96	4.10		4.10	4.1		4.3
F3	2	FINE	Calm	18:06	17.4	S	1.04	98	30.82	30.81	22.86	22.81	8.59	8.59	135.6	136.5	8.92	8.98	7.55	0.0	0.0	1.1	
							1.04	98	30.79		22.75	22.81	8.58	8.59	137.3	136.5	9.04	8.98		0.0	0.0		
						M	0.18	235	28.13	28.13	32.33	32.36	8.25	8.25	93.4	93.7	6.09	6.11		0.0	0.0		
							0.10	139	28.12		32.38	32.36	8.24	8.25	93.9	93.7	6.13	6.11		0.0	0.0		
						B	1.10	356	25.17	25.17	33.89	33.89	8.03	8.03	59.1	58.1	4.02	3.95		3.95	3.2		3.2
							0.54	264	25.17		33.89	33.89	8.03	8.03	57.1	58.1	3.88	3.95		3.95	3.1		3.2
IM6	2	FINE	Calm	18:19	16.3	S	0.32	140	30.60	30.59	22.94	22.82	8.57	8.57	135.0	135.4	8.91	8.94	7.68	0.1	0.1	1.6	
							0.32	140	30.57		22.69	22.82	8.57	8.57	135.7	135.4	8.97	8.94		0.1	0.1		
						M	0.61	17	28.58	28.58	31.30	31.35	8.30	8.30	96.6	98.5	6.29	6.42		0.0	0.0		
							0.61	17	28.58		31.40	31.35	8.30	8.30	100.4	98.5	6.54	6.42		0.0	0.0		
						B	0.99	265	25.52	25.52	33.82	33.83	8.03	8.03	60.6	59.1	4.10	4.00		4.00	5.2		4.8
							0.99	265	25.51		33.83	33.83	8.03	8.03	57.5	59.1	3.89	4.00		4.00	4.3		4.8

Remark: * DA: Depth-Averaged

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Water Quality Monitoring Data Log Sheet

Date: 2022/08/27

Tide: Ebb tide

Monitoring Station	Round	Weather Condition	Sea Condition**	Sampling Time	Water Depth	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	Calm	12:04	9.3	S	0.57	1	29.73	29.71	28.42	28.43	8.20	8.20	91.2	91.9	5.92	5.97	5.68	2.7	2.8	3.6	
							0.57	1	29.69		28.43	28.43	8.19	8.19	92.6	91.9	6.02	5.97		2.8	2.8		
						M	0.19	311	28.15	28.15	29.80	29.81	8.19	8.19	81.8	81.4	5.41	5.39		4.2	4.2		
							0.41	118	28.15		29.82	29.81	8.19	8.19	81.0	81.4	5.36	5.39		4.1	4.2		
						B	0.64	314	27.93	27.92	30.28	30.30	8.18	8.18	80.3	79.1	5.32	5.24		5.24	4.0		3.9
							0.65	160	27.90		30.32	30.30	8.18	8.18	77.9	79.1	5.16	5.24		5.24	3.7		3.9
IM6	1	FINE	Calm	11:32	17.1	S	0.49	125	29.39	29.39	26.75	26.76	8.19	8.19	86.6	86.6	5.71	5.71	5.59	2.2	2.2	5.4	
							0.37	216	29.38		26.76	26.76	8.19	8.19	86.6	86.6	5.71	5.71		2.2	2.2		
						M	0.36	35	28.06	28.06	30.49	30.50	8.23	8.23	83.0	83.0	5.48	5.48		1.7	1.7		
							0.44	43	28.05		30.50	30.50	8.23	8.23	82.9	83.0	5.47	5.48		1.6	1.7		
						B	1.17	7	27.32	27.33	31.85	31.84	8.15	8.16	73.0	72.1	4.84	4.78		4.78	12.4		12.2
							1.17	7	27.33		31.83	31.84	8.16	8.16	71.2	72.1	4.72	4.78		4.78	12.0		12.2
E2	2	FINE	Calm	13:06	9.0	S	0.87	61	28.96	29.02	27.88	27.76	8.16	8.16	76.4	76.8	5.04	5.06	5.00	5.0	5.1	6.5	
							1.72	109	29.07		27.64	27.64	8.16	8.16	77.1	76.8	5.08	5.06		5.1	5.1		
						M	0.61	56	28.77	28.77	29.07	29.06	8.16	8.16	75.1	75.1	4.94	4.94		6.7	6.4		
							0.74	116	28.76		29.05	29.06	8.16	8.16	75.0	75.1	4.93	4.94		6.0	6.4		
						B	0.80	350	28.27	28.29	29.74	29.73	8.15	8.15	70.7	69.6	4.67	4.60		4.60	8.0		8.1
							0.62	217	28.30		29.71	29.73	8.15	8.15	68.5	69.6	4.52	4.60		4.60	8.1		8.1
IM6	2	FINE	Calm	12:35	17.0	S	0.38	263	29.66	29.69	27.22	27.21	8.21	8.21	88.7	89.0	5.81	5.83	5.65	2.1	2.1	5.9	
							0.38	263	29.72		27.20	27.21	8.21	8.21	89.3	89.0	5.84	5.83		2.1	2.1		
						M	0.72	105	28.12	28.09	30.71	30.68	8.23	8.23	82.9	83.1	5.46	5.48		1.8	1.8		
							0.72	105	28.06		30.65	30.68	8.23	8.23	83.2	83.1	5.49	5.48		1.8	1.8		
						B	0.47	170	27.36	27.38	31.78	31.75	8.16	8.17	71.3	71.0	4.73	4.71		4.71	14.8		13.8
							0.57	196	27.40		31.71	31.75	8.17	8.17	70.7	71.0	4.68	4.71		4.71	12.7		13.8

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: 2022/08/27

Tide: Flood tide

Monitoring Station	Round	Weather Condition	Sea Condition**	Sampling Time	Water Depth	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	FINE	Calm	18:41	17.3	S	0.48	292	29.06	29.06	27.76	27.76	8.17	8.17	86.6	86.8	5.71	5.72	3.6	3.6	5.31	3.6	8.3								
							0.48	292	29.06		27.75		8.16		87.0		5.73		4.9												
							0.54	188	27.55		31.65		8.16		73.2		4.84		4.6												
						M	0.22	207	27.64	27.60	31.53	31.59	8.16	8.16	74.7	74.0	4.94	4.89	4.94	4.89		4.84		4.89	4.94	4.89	4.89	4.8			
							0.40	108	27.28		32.10		8.12		68.2		4.52		15.7												
							0.31	279	27.27		32.11		8.12		67.7		4.49		17.6												
						IM6	1	FINE	Calm	18:27	16.0	S	0.27	184	28.71	28.72	28.35	28.34	8.16	8.16		83.9		83.7	5.54	5.53	3.3	3.3	5.25	3.3	6.9
													0.27	184	28.73		28.33		8.16			83.5			5.52		5.6				
													0.27	206	27.84		30.74		8.16			75.1			4.97		5.8				
M	0.44	293	27.73	27.79	31.08							30.91	8.16	8.16	74.8	75.0	4.95	4.96	4.95	4.96	4.95	4.96	4.95	4.96	4.96	5.6					
	0.65	332	27.43		31.73								8.12		75.6		5.01		11.1												
	0.33	342	27.43		31.73								8.13		72.5		4.80		12.8												
F3	2	FINE	Calm	19:42	18.0							S	0.69	348	28.96	28.97	27.69	27.69	8.18	8.18	88.0	88.4	5.81	5.84	3.3	3.4	5.42	3.4		7.8	
													0.69	348	28.97		27.69		8.18		88.8		5.86		4.6						
													0.58	12	27.53		31.74		8.15		75.4		4.98		4.2						
						M	0.41	343	27.52	27.53	31.75	31.75	8.15	8.15	76.0	75.7	5.02	5.00	4.98	5.00	4.98	5.00	4.98	5.00	5.00	4.6					
							0.97	336	27.27		32.15		8.12		71.4		4.73		15.5												
							1.15	89	27.27		32.15		8.12		70.0		4.64		15.3												
						IM6	2	FINE	Calm	19:28	16.0	S	0.68	255	28.76	28.80	28.34	28.30	8.18	8.18	84.1	85.1	5.55	5.61	2.8	2.8		5.33	2.8		6.4
													0.68	255	28.83		28.25		8.18		86.0		5.67		5.2						
													0.74	45	27.72		31.14		8.17		76.3		5.05		5.1						
M	0.47	121	27.73	27.73	31.14							31.14	8.17	8.17	76.6	76.5	5.06	5.06	5.06	5.06	5.06	5.06	5.06	5.06	5.06	5.2					
	0.25	13	27.40		31.92								8.13		72.0		4.77		11.4												
	0.25	13	27.41		31.90								8.14		71.2		4.71		10.8												

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: 2022/08/30

Tide: Ebb tide

Monitoring Station	Round	Weather Condition	Sea Condition**	Sampling Time	Water Depth	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	Calm	13:49	9.3	S	0.95	221	30.76	30.80	28.40	28.40	8.35	8.35	147.9	147.0	9.45	9.39	9.63	0.0	0.0	4.8
							0.95	221	30.83		28.40	28.40	8.35	8.35	146.0	147.0	9.32	9.39		0.0		
						M	0.69	104	29.64	29.64	28.58	28.59	8.39	8.39	149.7	152.0	9.73	9.88	1.0	0.9		
							0.69	104	29.63		28.59	28.59	8.39	8.39	154.3	152.0	10.03	9.88	0.7			
						B	0.36	299	28.37	28.37	30.06	30.06	8.04	8.04	73.5	70.8	4.84	4.66	4.66	12.6	13.4	
							0.12	62	28.37		30.05	30.06	8.04	8.04	68.1	70.8	4.48	4.66	4.66	14.2		
IM6	1	FINE	Calm	13:19	17.0	S	0.93	152	30.38	30.42	27.96	27.93	8.27	8.27	117.0	118.9	7.54	7.66	6.50	0.0	0.0	4.6
							0.93	152	30.46		27.90	27.93	8.27	8.27	120.7	118.9	7.77	7.66		0.0		
						M	0.97	113	28.24	28.24	30.87	30.88	8.13	8.13	81.1	81.5	5.32	5.35	4.41	0.3	0.3	
							0.43	257	28.24		30.88	30.88	8.13	8.13	81.9	81.5	5.38	5.35		0.3		
						B	0.50	29	27.36	27.36	32.96	32.97	7.99	7.99	67.8	67.0	4.46	4.41	4.41	12.4	13.5	
							0.41	157	27.36		32.97	32.97	7.99	7.99	66.1	67.0	4.35	4.41		4.41		
E2	2	FINE	Calm	14:51	9.0	S	0.62	82	31.12	31.17	28.24	28.24	8.31	8.31	137.5	134.7	8.74	8.56	9.22	0.0	0.0	2.6
							0.62	82	31.21		28.23	28.24	8.31	8.31	131.9	134.7	8.37	8.56		0.0		
						M	0.54	89	29.56	29.59	28.66	28.66	8.38	8.39	145.2	151.9	9.44	9.88	5.15	0.8	0.8	
							0.54	89	29.62		28.65	28.66	8.39	8.39	158.6	151.9	10.31	9.88		0.7		
						B	0.47	96	28.38	28.36	30.13	30.16	8.06	8.06	85.6	78.3	5.63	5.15	5.15	6.8	7.1	
							0.32	119	28.34		30.18	30.16	8.06	8.06	71.0	78.3	4.67	5.15		5.15		
IM6	2	FINE	Calm	14:22	17.0	S	0.20	93	30.14	30.03	28.02	28.12	8.30	8.31	125.5	127.8	8.11	8.27	6.74	0.0	0.0	11.7
							0.20	93	29.92		28.21	28.12	8.31	8.31	130.1	127.8	8.43	8.27		0.0		
						M	0.94	149	28.28	28.29	30.55	30.56	8.12	8.13	78.5	79.3	5.16	5.21	4.33	1.3	1.0	
							0.58	163	28.29		30.56	30.56	8.13	8.13	80.0	79.3	5.26	5.21		0.7		
						B	0.89	254	27.40	27.40	32.94	32.94	8.02	8.02	67.1	65.7	4.42	4.33	4.33	31.2	34.2	
							0.32	298	27.39		32.94	32.94	8.02	8.02	64.2	65.7	4.23	4.33		4.33		

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: 2022/08/30

Tide: Flood tide

Monitoring Station	Round	Weather Condition	Sea Condition**	Sampling Time	Water Depth	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	FINE	Calm	7:50	18.3	S	0.38	229	29.34	29.35	28.35	28.34	8.26	8.26	108.6	109.5	7.10	7.16	5.83	0.0	0.1	3.4
							0.38	229	29.36		28.32	28.34	8.25	8.26	110.3		7.21	7.16		0.1		
							0.29	5	27.78		31.67	31.65	8.09	8.10	68.1		4.49	4.50		2.6		
						0.61	310	27.83	31.62	31.65	8.10	8.10	68.5	4.51	4.50	2.4						
						B	0.95	262	27.42	27.42	33.13	33.13	8.08	8.08	74.0	73.6	4.86	4.84	4.84	7.2	7.6	
							0.52	230	27.42		33.13	33.13	8.08	8.08	73.2		4.81	4.84	7.9			
IM6	1	FINE	Calm	7:39	17.0	S	0.31	6	29.19	29.20	28.37	28.36	8.26	8.26	106.9	108.8	7.01	7.14	6.13	0.0	0.0	3.0
							0.31	6	29.20		28.34	28.36	8.26	8.26	110.7		7.26	7.14		0.0		
							0.43	302	28.21		30.70	30.82	8.13	8.13	78.5		5.16	5.13		1.7		
						0.43	302	28.12	30.93	30.82	8.12	8.13	77.6	5.10	5.13	1.6						
						B	0.86	308	27.55	27.54	32.54	32.58	8.02	8.04	71.0	69.9	4.67	4.60	4.60	6.9	7.4	
							0.30	281	27.53		32.61	32.58	8.06	8.04	68.7		4.52	4.60	7.9			
F3	2	FINE	Calm	8:39	18.3	S	0.64	312	29.19	29.16	27.63	27.62	8.23	8.23	105.8	106.6	6.96	7.02	6.11	0.1	0.1	2.9
							0.64	312	29.12		27.61	27.62	8.22	8.23	107.4		7.08	7.02		0.1		
							0.63	6	28.01		31.58	31.34	8.13	8.15	75.3		4.94	5.20		1.4		
						0.63	6	28.30	31.09	31.34	8.16	8.15	83.3	5.46	5.20	0.7						
						B	0.50	287	27.38	27.38	33.13	33.13	8.08	8.08	74.8	74.1	4.92	4.88	4.88	7.1	7.6	
							0.20	315	27.38		33.13	33.13	8.08	8.08	73.4		4.83	4.88	8.1			
IM6	2	FINE	Calm	8:27	17.2	S	0.45	251	29.25	29.27	28.91	28.88	8.27	8.27	111.4	113.4	7.27	7.40	6.24	0.0	0.0	2.8
							0.45	251	29.28		28.85	28.88	8.27	8.27	115.3		7.53	7.40		0.0		
							0.32	302	28.16		30.72	30.59	8.12	8.13	74.1		4.88	5.08		2.0		
						0.34	354	28.32	30.45	30.59	8.14	8.13	80.2	5.27	5.08	1.5						
						B	0.55	254	27.52	27.53	32.56	32.56	8.05	8.06	69.6	69.1	4.58	4.55	4.55	6.4	6.5	
							0.49	264	27.53		32.56	32.56	8.06	8.06	68.6		4.51	4.55	6.6			

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

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
23-Aug-2022	E2	1	7.97	< 4.1	< 3.0
		2	7.71		
	IM6	1	8.01		
		2	7.87		
27-Aug-2022	E2	1	5.68		
		2	5.00		
	IM6	1	5.59		
		2	5.65		
30-Aug-2022	E2	1	9.63		
		2	9.22		
	IM6	1	6.50		
		2	6.74		

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
23-Aug-2022	F3	1	7.72	< 4.1	< 3.0
		2	7.55		
	IM6	1	7.42		
		2	7.68		
27-Aug-2022	F3	1	5.31		
		2	5.42		
	IM6	1	5.25		
		2	5.33		
30-Aug-2022	F3	1	5.83		
		2	6.11		
	IM6	1	6.13		
		2	6.24		

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

Monitoring Date	Station	Round	Mean DO (mg/L)	Action Level	Limit Level
23-Aug-2022	E2	1	7.14	< 2.7	< 2.0
		2	5.51		
	IM6	1	4.80		
		2	4.68		
27-Aug-2022	E2	1	5.24		
		2	4.60		
	IM6	1	4.78		
		2	4.71		
30-Aug-2022	E2	1	4.66		
		2	5.15		
	IM6	1	4.41		
		2	4.33		

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

Monitoring Date	Station	Round	Mean DO (mg/L)	Action Level	Limit Level
23-Aug-2022	F3	1	4.11	< 2.7	< 2.0
		2	3.95		
	IM6	1	4.10		
		2	4.00		
27-Aug-2022	F3	1	4.51		
		2	4.69		
	IM6	1	4.91		
		2	4.74		
30-Aug-2022	F3	1	4.84		
		2	4.88		
	IM6	1	4.60		
		2	4.55		