



ANNEX C

OPERATION PHASE WATER QUALITY  
MONITORING RESULTS

Water Quality Monitoring Data Log Sheet

Date: 2023/10/3

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level***	Current		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)						
							Velocity (m/s)	Direction	Value	Average	DA	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*			
Mid-Ebb	E2	Fine	Calm	14:34	9.4	S	0.15	100	29.9	30.0	29.3	30.9	30.8	8.2	8.2	114.7	118.5	7.3	7.6	3.2	3.0	<0.001	<0.001	4.8	4.6	0.13	0.13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
							0.15	100	30.1	30.0		30.8	30.8	8.2	8.2	122.2	118.5	7.8	7.6	2.8	3.0	<0.001	<0.001	4.3	4.6	0.13	0.13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
							0.22	83	29.0	29.0		31.3	31.2	8.1	8.1	92.7	93.0	6.0	6.0	9.7	9.1	<0.001	<0.001	11.8	11.7	0.14	0.14	0.13	0.14	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
						0.22	83	29.1	29.0	31.2		31.4	8.1	8.1	93.2	93.0	6.0	6.0	8.5	9.1	<0.001	<0.001	8.5	9.1	<0.001	<0.001	11.5	11.7	0.14	0.14	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
						0.40	92	28.9	28.9	31.5		31.4	8.1	8.1	92.3	91.5	6.0	5.9	9.4	9.6	<0.001	<0.001	9.4	9.6	<0.001	<0.001	12.3	12.5	0.13	0.14	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
						0.17	59	28.9	28.9	31.4		31.7	8.1	8.1	90.6	101.1	5.9	6.5	9.7	3.0	<0.001	<0.001	9.7	3.0	<0.001	<0.001	12.7	4.7	0.14	0.09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	IM6	Fine	Calm	14:03	17.0	S	0.11	268	29.0	29.1	28.9	31.9	31.7	8.1	8.1	100.8	101.1	6.5	6.5	3.1	3.0	<0.001	<0.001	4.7	4.6	0.08	0.09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
							0.17	122	29.2	29.1		31.4	31.7	8.1	8.1	101.3	101.1	6.5	6.5	2.9	3.0	<0.001	<0.001	4.4	4.6	0.10	0.09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
							0.20	297	28.9	28.9		32.7	32.7	8.1	8.1	98.8	98.9	6.4	6.4	4.3	4.3	<0.001	<0.001	6.4	6.3	<0.02	<0.02	6.1	6.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
						0.20	297	28.9	28.9	32.7		32.7	8.1	8.1	99.0	98.9	6.4	6.4	4.3	4.3	<0.001	<0.001	4.3	4.3	<0.001	<0.001	6.1	6.3	<0.02	<0.02	6.1	6.3	<1.0	<1.0	<1.0	<1.0
						0.16	288	28.8	28.8	32.8		32.8	8.1	8.1	97.9	97.7	6.3	6.3	5.3	5.3	<0.001	<0.001	5.3	5.3	<0.001	<0.001	7.1	7.3	<0.02	<0.02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
						0.16	288	28.8	28.8	32.8		32.8	8.1	8.1	97.4	97.7	6.3	6.3	5.3	5.3	<0.001	<0.001	5.3	5.3	<0.001	<0.001	7.5	7.3	<0.02	<0.02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Mid-Flood	F3	Cloudy	Moderate	8:23	18.0	S	0.74	258	29.0	29.0	28.9	31.1	31.1	8.1	8.1	101.7	101.9	6.6	6.6	3.8	3.9	<0.001	<0.001	5.9	6.0	0.12	0.12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
							0.31	217	28.9	28.9		31.1	31.1	8.1	8.1	102.0	101.9	6.6	6.6	3.9	3.9	<0.001	<0.001	6.1	6.0	0.11	0.12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
							0.42	237	28.9	28.9		32.8	32.8	8.1	8.1	102.6	102.5	6.6	6.6	1.8	1.8	<0.001	<0.001	1.8	1.8	<0.001	<0.001	7.5	7.3	0.03	0.03	<1.0	<1.0	<1.0	<1.0	<1.0
						0.17	280	28.9	28.9	32.8		31.1	8.1	8.1	101.4	101.5	6.5	6.5	6.9	6.4	<0.001	<0.001	6.9	6.4	<0.001	<0.001	12.1	12.4	<0.02	<0.02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
						0.64	292	28.9	28.9	32.8		31.1	8.1	8.1	101.6	101.5	6.5	6.5	5.9	6.4	<0.001	<0.001	5.9	6.4	<0.001	<0.001	12.8	12.4	<0.02	<0.02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
						0.34	309	28.8	28.8	31.6		31.6	8.1	8.1	98.6	98.5	6.4	6.4	1.6	1.6	<0.001	<0.001	1.6	1.6	<0.001	<0.001	3.4	3.6	0.13	0.13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	IM6	Fine	Calm	8:08	16.5	M	0.09	197	28.9	28.9	28.9	32.4	32.4	8.1	8.1	100.2	100.2	6.5	6.5	2.2	2.0	<0.001	<0.001	3.8	4.3	0.06	0.06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
							0.09	197	28.9	28.9		32.4	32.4	8.1	8.1	100.2	100.2	6.5	6.5	2.0	2.0	<0.001	<0.001	4.4	4.3	0.13	0.13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
							0.21	98	28.9	28.9		32.8	32.8	8.1	8.1	101.0	100.7	6.5	6.5	6.5	6.9	<0.001	<0.001	6.5	6.9	<0.001	<0.001	9.6	9.4	<0.02	<0.02	<1.0	<1.0	<1.0	<1.0	<1.0
						0.21	98	28.9	28.9	32.8		32.8	8.1	8.1	100.3	100.7	6.4	6.5	7.2	6.9	<0.001	<0.001	7.2	6.9	<0.001	<0.001	9.2	9.4	<0.02	<0.02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
						0.31	217	28.9	28.9	32.8		32.8	8.1	8.1	102.4	102.5	6.6	6.6	1.8	1.8	<0.001	<0.001	1.8	1.8	<0.001	<0.001	7.5	7.3	0.03	0.03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
						0.42	237	28.9	28.9	32.8		31.1	8.1	8.1	101.4	101.5	6.5	6.5	6.9	6.4	<0.001	<0.001	6.9	6.4	<0.001	<0.001	12.1	12.4	<0.02	<0.02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2023/10/12

Tide	Monitoring Station	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)		Total Residual Chlorine (mg/L)		Suspended Solids (mg/L)		Total Inorganic Nitrogen (mg/L)		5-day Biochemical Oxygen Demand (mg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
Mid-Ebb	E2	Fine	Moderate	10:09	9.7	S	0.2	60	27.3	27.3	31.3	31.3	8.1	8.1	93.3	93.9	6.2	6.2	3.7	3.6	<0.001	<0.001	4.9	4.9	0.07	0.07	<1.0	<1.0	<1.0	<1.0
							0.4	233	27.3	27.3	31.3	31.3	8.1	8.1	94.5	94.5	6.3	6.2	3.5	3.6	<0.001	<0.001	4.8	4.9	0.07	0.07	<1.0	<1.0	<1.0	<1.0
							0.2	118	27.2	27.2	31.4	31.4	8.1	8.1	91.2	91.5	6.1	6.1	4.6	4.6	<0.001	<0.001	4.2	4.6	0.06	0.06	<1.0	<1.0	<1.0	<1.0
						0.1	344	27.2	27.2	31.4	31.4	8.1	8.1	91.7	91.5	6.1	6.1	4.6	4.6	<0.001	<0.001	5.0	4.6	0.05	0.06	<1.0	<1.0	<1.0	<1.0	
						0.5	342	27.3	27.3	31.6	31.6	8.0	8.0	90.2	89.8	6.0	6.0	22.1	22.0	<0.001	<0.001	30.9	23.7	0.06	0.06	<1.0	<1.0	<1.0	<1.0	
						0.5	342	27.3	27.3	31.6	31.6	8.0	8.0	89.4	89.4	5.9	5.9	21.9	22.0	<0.001	<0.001	16.5	16.5	0.05	0.05	<1.0	<1.0	<1.0	<1.0	
	IM6	Fine	Moderate	10:43	17.3	S	0.2	167	27.1	27.1	31.4	31.4	7.9	7.9	97.6	97.8	6.5	6.5	1.3	1.4	<0.001	<0.001	3.6	2.8	0.05	0.05	<1.0	<1.0	<1.0	<1.0
							0.2	167	27.1	27.1	31.4	31.4	7.9	7.9	97.9	97.8	6.5	6.5	1.4	1.4	<0.001	<0.001	1.9	2.8	0.04	0.05	<1.0	<1.0	<1.0	<1.0
							0.2	82	27.3	27.3	32.2	32.2	7.9	7.9	94.9	94.9	6.3	6.3	3.6	3.4	<0.001	<0.001	4.0	3.7	0.03	0.03	<1.0	<1.0	<1.0	<1.0
						0.0	8	27.3	27.3	32.2	32.2	7.9	7.9	94.9	94.9	6.3	6.3	3.2	3.4	<0.001	<0.001	3.3	3.7	0.03	0.03	<1.0	<1.0	<1.0	<1.0	
						0.2	352	27.3	27.3	32.3	32.3	7.9	7.9	95.5	95.2	6.3	6.3	9.3	9.3	<0.001	<0.001	13.4	12.7	0.05	0.04	<1.0	<1.0	<1.0	<1.0	
						0.3	343	27.3	27.3	32.3	32.3	7.9	7.9	94.9	94.9	6.3	6.3	9.2	9.3	<0.001	<0.001	12.0	12.7	0.03	0.04	<1.0	<1.0	<1.0	<1.0	
Mid-Flood	F3	Cloudy	Rough	16:40	17.9	S	0.81	240	27.5	27.5	31.5	31.5	8.0	8.0	104.0	105.1	6.9	7.0	1.5	1.4	<0.001	<0.001	3.4	3.1	0.03	0.03	<1.0	<1.0	<1.0	<1.0
							0.18	221	27.2	27.2	31.5	31.5	8.0	8.0	106.2	105.1	7.0	7.0	1.3	1.4	<0.001	<0.001	2.7	3.1	0.03	0.03	<1.0	<1.0	<1.0	<1.0
							0.15	116	27.2	27.2	32.2	32.2	8.0	8.0	95.4	95.0	6.3	6.3	4.8	4.9	<0.001	<0.001	4.0	4.0	0.03	0.03	<1.0	<1.0	<1.0	<1.0
						0.81	240	27.5	27.5	31.5	31.5	8.0	8.0	94.6	95.0	6.3	6.3	4.9	4.9	<0.001	<0.001	3.9	4.0	0.02	0.03	<1.0	<1.0	<1.0	<1.0	
						0.96	328	27.2	27.2	32.3	32.3	8.0	8.0	95.3	94.7	6.3	6.3	13.7	13.8	<0.001	<0.001	25.1	22.6	0.04	0.04	<1.0	<1.0	<1.0	<1.0	
						0.96	328	27.2	27.2	32.3	32.3	8.0	8.0	94.1	94.7	6.2	6.3	13.8	13.8	<0.001	<0.001	20.1	22.6	0.03	0.04	<1.0	<1.0	<1.0	<1.0	
	IM6	Cloudy	Rough	16:55	16.7	S	0.79	240	27.4	27.4	31.7	31.7	8.0	8.0	103.5	103.7	6.9	6.9	1.8	1.8	<0.001	<0.001	2.6	2.7	0.03	0.03	<1.0	<1.0	<1.0	<1.0
							0.79	240	27.4	27.4	31.7	31.7	8.0	8.0	103.8	103.7	6.9	6.9	1.7	1.8	<0.001	<0.001	2.7	2.7	0.03	0.03	<1.0	<1.0	<1.0	<1.0
							0.20	213	27.4	27.4	31.8	31.8	7.9	7.9	100.2	100.9	6.6	6.5	2.8	2.7	<0.001	<0.001	5.4	4.7	0.03	0.03	<1.0	<1.0	<1.0	<1.0
						0.40	1	27.4	27.4	31.8	31.8	7.9	7.9	101.5	101.5	6.7	6.5	2.6	2.7	<0.001	<0.001	4.0	4.7	0.03	0.03	<1.0	<1.0	<1.0	<1.0	
						0.13	151	27.2	27.2	32.2	32.2	7.9	7.9	96.5	95.7	6.4	6.4	18.3	17.7	<0.001	<0.001	16.0	16.8	0.03	0.04	<1.0	<1.0	<1.0	<1.0	
						0.06	238	27.2	27.2	32.2	32.2	7.9	7.9	94.9	94.9	6.3	6.3	17.1	17.7	<0.001	<0.001	17.6	16.8	0.04	0.04	<1.0	<1.0	<1.0	<1.0	

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2023/10/19

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Total Residual Chlorine (mg/L)		Suspended Solids (mg/L)		Total Inorganic Nitrogen (mg/L)		5-day Biochemical Oxygen Demand (mg/L)					
							Velocity (m/s)	Direction	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
Mid-Ebb	E2	Cloudy	Rough	14:31	9.0	S	0.75	79	26.6	26.6	31.7	31.7	8.0	8.0	91.8	91.8	6.2	6.2	11.0	11.0	<0.001	<0.001	18.1	17.8	0.11	0.12	<1.0	<1.0				
							0.75	79	26.6	26.6	31.7	31.7	8.0	8.0	91.8	91.8	6.2	6.2	11.0	11.0	<0.001	<0.001	17.5	17.8	0.12	0.12	<1.0	<1.0				
							0.42	179	26.5	26.5	31.7	31.7	8.0	8.0	92.5	92.2	6.2	6.2	11.6	11.6	<0.001	<0.001	15.5	15.3	0.12	0.12	<1.0	<1.0	<1.0	<1.0		
							0.24	292	26.5	26.5	31.7	31.7	8.0	8.0	91.8	91.8	6.2	6.2	11.5	11.6	<0.001	<0.001	15.1	15.3	0.12	0.12	<1.0	<1.0	<1.0	<1.0		
							0.08	280	26.5	26.5	31.7	31.7	8.0	8.0	95.4	94.4	6.4	6.3	12.6	12.6	<0.001	<0.001	15.0	15.0	0.12	0.12	<1.0	<1.0	<1.0	<1.0		
							0.29	238	26.5	26.5	31.7	31.7	8.0	8.0	93.4	94.4	6.3	6.3	12.6	12.6	<0.001	<0.001	14.9	14.9	0.11	0.11	<1.0	<1.0	<1.0	<1.0		
	IM6	Cloudy	Rough	14:00	17.6	S	0.46	263	26.5	26.5	32.3	32.3	7.9	7.9	94.5	94.5	6.3	6.3	7.2	7.2	<0.001	<0.001	8.4	8.9	0.08	0.08	<1.0	<1.0				
							0.36	347	26.5	26.5	32.3	32.3	7.9	7.9	94.5	94.5	6.3	6.3	7.1	7.1	<0.001	<0.001	9.4	9.8	0.08	0.08	<1.0	<1.0				
							0.41	278	26.5	26.5	32.3	32.3	7.9	7.9	94.1	94.2	6.3	6.3	7.7	7.6	<0.001	<0.001	10.0	9.8	0.06	0.06	<1.0	<1.0	<1.0	<1.0		
							0.41	229	26.5	26.5	32.3	32.3	7.9	7.9	94.3	94.3	6.3	6.3	7.4	7.4	<0.001	<0.001	9.6	9.8	0.06	0.06	<1.0	<1.0	<1.0	<1.0		
							0.61	352	26.5	26.5	32.4	32.4	7.9	7.9	94.4	94.3	6.3	6.3	17.0	16.0	<0.001	<0.001	20.1	26.0	0.06	0.06	<1.0	<1.0	<1.0	<1.0		
							0.61	352	26.5	26.5	32.4	32.4	7.9	7.9	94.2	94.2	6.3	6.3	14.9	14.9	<0.001	<0.001	31.9	26.0	0.06	0.06	<1.0	<1.0	<1.0	<1.0		
Mid-Flood	F3	Rainy	Rough	9:04	17.8	S	0.72	229	26.5	26.5	32.3	32.3	8.1	8.1	95.1	95.0	6.4	6.4	6.3	6.3	<0.001	0.005	8.2	8.1	0.06	0.06	<1.0	<1.0				
							1.08	260	26.5	26.5	32.3	32.3	8.1	8.1	94.9	95.0	6.4	6.4	6.3	6.3	<0.001	0.005	8.0	8.1	0.06	0.06	<1.0	<1.0				
							0.86	298	26.5	26.5	32.3	32.3	8.1	8.1	95.4	95.4	6.4	6.4	6.7	6.6	<0.001	<0.001	6.8	7.2	0.06	0.06	<1.0	<1.0	<1.0	<1.0		
							1.36	265	26.5	26.5	32.3	32.3	8.1	8.1	95.3	95.4	6.4	6.4	6.5	6.6	<0.001	<0.001	7.6	7.2	0.06	0.06	<1.0	<1.0	<1.0	<1.0		
							1.23	246	26.4	26.4	32.6	32.6	8.1	8.1	95.8	95.7	6.4	6.4	19.9	19.4	<0.001	<0.001	32.5	35.0	0.05	0.05	<1.0	<1.0	<1.0	<1.0		
							1.23	246	26.4	26.4	32.6	32.6	8.1	8.1	95.5	95.7	6.4	6.4	19.8	19.4	<0.001	<0.001	37.4	35.0	0.05	0.05	<1.0	<1.0	<1.0	<1.0		
	IM6	Rainy	Rough	8:47	16.2	S	0.48	87	26.5	26.5	32.3	32.3	8.0	8.0	94.6	94.7	6.3	6.4	9.4	9.3	<0.001	<0.001	9.6	9.9	0.06	0.06	<1.0	<1.0				
							0.48	87	26.5	26.5	32.3	32.3	8.0	8.0	94.8	94.7	6.4	6.4	9.2	9.3	<0.001	<0.001	10.1	10.1	0.06	0.06	<1.0	<1.0				
							0.40	254	26.5	26.5	32.3	32.3	8.0	8.0	94.3	94.4	6.3	6.3	8.9	8.9	<0.001	<0.001	11.9	12.1	0.06	0.06	<1.0	<1.0	<1.0	<1.0		
							0.40	254	26.5	26.5	32.3	32.3	8.0	8.0	94.5	94.5	6.3	6.3	8.9	8.9	<0.001	<0.001	12.2	12.2	0.06	0.06	<1.0	<1.0	<1.0	<1.0		
							0.06	58	26.5	26.5	32.3	32.3	8.0	8.0	94.8	94.7	6.4	6.4	13.4	12.7	<0.001	0.003	16.4	16.6	0.06	0.06	<1.0	<1.0	<1.0	<1.0		
							0.59	304	26.5	26.5	32.3	32.3	8.0	8.0	94.6	94.6	6.4	6.4	11.9	11.9	0.005	0.005	16.8	16.6	0.06	0.06	<1.0	<1.0	<1.0	<1.0		

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2023/10/26

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level***	Current		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Total Residual Chlorine (mg/L)		Suspended Solids (mg/L)		Total Inorganic Nitrogen (mg/L)		5-day Biochemical Oxygen Demand (mg/L)			
							Velocity (m/s)	Direction	Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value
Mid-Ebb	E2	Fine	Moderate	9:47	9.4	S	0.26	109	26.2	26.2	26.2	32.2	32.2	8.0	8.0	97.6	97.7	6.6	6.6	1.9	1.9	<0.001	<0.001	2.6	2.5	0.15	0.15	<1.0	<1.0	<1.0
							0.26	109	26.2	26.2		32.2	32.2	8.0	8.0	97.8	97.8	6.6	6.6	1.9	1.9	<0.001	<0.001	2.4	2.5	0.15	0.15	<1.0	<1.0	<1.0
							0.13	201	26.2	26.2		32.2	32.2	8.0	8.0	96.7	97.2	6.5	6.5	2.0	2.0	<0.001	0.003	3.0	3.3	0.16	0.16	<1.0	<1.0	<1.0
						0.45	95	26.2	26.2	32.2		32.2	8.0	8.0	97.6	97.6	6.6	6.6	2.0	2.0	0.004	0.004	3.5	3.3	0.15	0.15	<1.0	<1.0	<1.0	
						0.76	141	26.2	26.2	32.3		32.3	8.0	8.0	96.7	96.4	6.5	6.5	3.9	3.9	<0.001	0.001	5.6	5.8	0.15	0.15	<1.0	<1.0	<1.0	
						0.22	112	26.2	26.2	32.3		32.3	8.0	8.0	96.1	96.1	6.5	6.5	3.9	3.9	0.001	0.001	5.9	5.9	0.15	0.15	<1.0	<1.0	<1.0	
	IM6	Fine	Moderate	9:14	17.5	S	0.32	227	26.0	26.0	26.0	32.6	32.6	7.9	7.9	99.5	99.5	6.7	6.7	1.5	1.5	<0.001	<0.001	2.1	2.2	0.09	0.09	<1.0	<1.0	<1.0
							0.27	317	26.0	26.0		32.6	32.6	7.9	7.9	98.5	98.4	6.6	6.6	1.5	1.5	<0.001	<0.001	2.2	2.2	0.09	0.09	<1.0	<1.0	<1.0
							0.24	65	26.0	26.0		32.7	32.7	7.9	7.9	98.3	98.4	6.6	6.6	1.8	1.8	0.009	0.005	2.3	2.3	0.08	0.09	<1.0	<1.0	<1.0
						0.22	333	26.0	26.0	32.7		32.7	7.9	7.9	98.9	98.9	6.7	6.7	3.5	3.5	<0.001	<0.001	3.5	3.8	0.08	0.08	<1.0	<1.0	<1.0	
						0.22	333	26.0	26.0	32.7		32.7	7.9	7.9	98.8	98.8	6.7	6.7	3.5	3.5	<0.001	<0.001	4.0	4.0	0.08	0.08	<1.0	<1.0	<1.0	
						0.24	65	26.0	26.0	32.7		32.7	7.9	7.9	98.3	98.4	6.6	6.6	1.8	1.8	0.009	0.005	2.3	2.3	0.09	0.09	<1.0	<1.0	<1.0	
Mid-Flood	F3	Fine	Moderate	16:10	17.8	S	1.03	279	26.4	26.4	26.2	32.4	32.4	8.0	8.0	102.6	102.9	6.9	6.9	1.0	1.0	<0.001	0.002	2.3	2.2	0.10	0.10	<1.0	<1.0	<1.0
							0.41	316	26.1	26.1		32.4	32.4	8.0	8.0	97.4	97.7	6.6	6.6	0.9	0.9	<0.001	<0.001	2.1	2.2	0.10	0.10	<1.0	<1.0	<1.0
							0.36	222	26.1	26.1		32.6	32.6	8.0	8.0	97.9	97.7	6.6	6.6	1.5	1.6	<0.001	<0.001	2.7	2.8	0.09	0.09	<1.0	<1.0	<1.0
						0.12	176	26.0	26.0	32.6		32.6	8.0	8.0	96.0	96.0	6.5	6.5	3.7	3.7	<0.001	0.005	4.9	5.0	0.09	0.09	<1.0	<1.0	<1.0	
						0.56	253	26.0	26.0	32.6		32.6	8.0	8.0	96.0	96.0	6.5	6.5	3.7	3.7	0.008	0.008	5.1	5.0	0.09	0.09	<1.0	<1.0	<1.0	
						0.73	342	26.4	26.4	32.5		32.5	7.9	7.9	99.9	100.0	6.7	6.7	1.7	1.8	<0.001	<0.001	2.1	2.2	0.10	0.10	<1.0	<1.0	<1.0	
	IM6	Fine	Moderate	15:56	16.4	M	0.37	6	26.4	26.4	26.3	32.5	32.5	7.9	7.9	100.1	100.0	6.7	6.7	1.8	1.8	<0.001	<0.001	2.2	2.2	0.10	0.10	<1.0	<1.0	<1.0
							0.36	222	26.3	26.3		32.5	32.5	7.9	7.9	98.9	99.0	6.7	6.7	2.1	2.3	<0.001	<0.001	2.6	2.7	0.09	0.09	<1.0	<1.0	<1.0
							0.36	222	26.3	26.3		32.5	32.5	7.9	7.9	99.1	99.1	6.7	6.7	2.4	2.3	<0.001	<0.001	2.8	2.7	0.09	0.09	<1.0	<1.0	<1.0
						0.12	158	26.2	26.2	32.5		32.5	7.9	7.9	99.6	99.3	6.7	6.7	3.7	3.8	<0.001	<0.001	4.5	4.4	0.09	0.09	<1.0	<1.0	<1.0	
						0.49	281	26.2	26.2	32.5		32.5	7.9	7.9	98.9	98.9	6.7	6.7	3.8	3.8	<0.001	<0.001	4.2	4.4	0.09	0.09	<1.0	<1.0	<1.0	
						0.49	281	26.2	26.2	32.5		32.5	7.9	7.9	98.9	98.9	6.7	6.7	3.8	3.8	<0.001	<0.001	4.2	4.4	0.09	0.09	<1.0	<1.0	<1.0	

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2023/11/1

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level***	Current		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Total Residual Chlorine (mg/L)		Suspended Solids (mg/L)		Total Inorganic Nitrogen (mg/L)		5-day Biochemical Oxygen Demand (mg/L)		
							Velocity (m/s)	Direction	Value	Average	DA	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average
Mid-Ebb	E2	Fine	Rough	14:00	9.5	S	0.08	167	26.5	26.5	26.4	32.1	32.1	8.1	8.1	116.1	116.7	7.8	7.8	3.3	3.3	<0.001	<0.001	7.2	7.3	0.11	0.11	<1.0	<1.0
							0.08	167	26.5	26.5		32.1	32.1	8.1	8.1	117.2	117.2	7.9	7.8	3.3	3.3	<0.001	<0.001	7.4	7.3	0.10	0.11	<1.0	<1.0
							0.04	106	26.4	26.4		32.1	32.1	8.0	8.0	110.5	111.2	7.4	7.5	4.1	4.1	<0.001	0.003	8.2	8.4	0.11	0.11	<1.0	<1.0
							0.31	160	26.4	26.4		32.1	32.1	8.1	8.0	111.9	111.2	7.5	7.5	4.0	4.1	0.004	0.003	8.6	8.4	0.11	0.11	<1.0	<1.0
							0.05	140	26.3	26.3		32.1	32.1	8.0	8.0	105.5	106.0	7.1	7.1	21.6	21.5	<0.001	<0.001	30.5	33.0	0.15	0.15	<1.0	<1.0
							0.05	140	26.3	26.3		32.1	32.1	8.0	8.0	106.5	106.0	7.2	7.2	21.4	21.4	<0.001	<0.001	35.4	33.0	0.15	0.15	<1.0	<1.0
	IM6	Fine	Rough	13:25	16.9	S	0.24	240	26.3	26.3	26.1	32.1	32.1	7.9	7.9	111.1	111.3	7.5	7.5	2.0	2.0	<0.001	<0.001	5.3	5.5	0.14	0.14	<1.0	<1.0
							0.70	273	26.4	26.3		32.1	32.1	7.9	7.9	111.4	111.3	7.5	7.5	2.0	2.0	<0.001	<0.001	5.7	5.5	0.14	0.14	<1.0	<1.0
							0.37	241	26.1	26.1		32.5	32.4	8.0	8.0	109.4	109.7	7.4	7.4	3.6	3.6	0.003	0.002	6.3	6.5	0.08	0.11	<1.0	<1.0
							0.37	241	26.1	26.1		32.4	32.4	8.0	8.0	110.0	109.7	7.4	7.4	3.5	3.6	<0.001	<0.001	6.7	6.5	0.13	0.14	<1.0	<1.0
							0.25	141	26.0	26.0		32.6	32.6	8.0	8.0	106.9	107.1	7.2	7.4	4.5	4.3	<0.001	<0.001	8.6	8.8	0.05	0.05	<1.0	<1.0
							0.25	141	26.0	26.0		32.6	32.6	8.0	8.0	107.2	107.2	7.2	7.4	4.1	4.3	<0.001	<0.001	9.0	8.8	0.05	0.05	<1.0	<1.0
Mid-Flood	F3	Cloudy	Moderate	08:32	17	S	0.46	292	26.0	26.0	26.0	32.4	32.4	8.1	8.1	106.4	106.6	7.2	7.2	1.5	1.5	<0.001	<0.001	3.6	3.4	0.08	0.08	<1.0	<1.0
							0.14	147	26.0	26.0		32.4	32.4	8.1	8.1	106.7	106.6	7.2	7.2	1.4	1.5	<0.001	<0.001	3.2	3.4	0.08	0.08	<1.0	<1.0
							0.21	287	26.0	26.0		32.6	32.6	8.1	8.1	106.2	106.0	7.2	7.2	1.5	1.5	<0.001	<0.001	4.2	4.3	0.05	0.05	<1.0	<1.0
							0.21	287	26.0	26.0		32.6	32.6	8.1	8.1	105.7	106.0	7.1	7.2	1.5	1.5	<0.001	<0.001	4.4	4.3	0.05	0.05	<1.0	<1.0
							0.39	254	25.9	25.9		32.7	32.7	8.1	8.1	105.1	105.7	7.1	7.1	5.0	5.2	<0.001	0.002	6.8	6.6	0.03	0.03	<1.0	<1.0
							0.39	254	25.9	25.9		32.7	32.7	8.1	8.1	106.3	105.7	7.2	7.1	5.3	5.2	0.002	0.002	6.4	6.6	0.03	0.03	<1.0	<1.0
	IM6	Cloudy	Moderate	08:18	16.5	S	0.28	297	26.0	26.0	26.0	32.3	32.3	8.0	8.0	103.4	103.2	7.0	7.0	1.6	1.6	<0.001	<0.001	3.9	4.2	0.12	0.12	<1.0	<1.0
							0.29	155	26.0	26.0		32.3	32.3	8.0	8.0	103.0	103.2	7.0	7.0	1.5	1.6	<0.001	<0.001	4.4	4.2	0.12	0.12	<1.0	<1.0
							0.66	117	26.0	26.0		32.4	32.4	8.0	8.0	103.1	103.1	7.0	7.0	3.1	3.1	<0.001	0.005	6.0	5.7	0.10	0.11	<1.0	<1.0
							0.66	117	26.0	26.0		32.4	32.4	8.0	8.0	103.0	103.0	7.0	7.0	3.1	3.1	0.008	0.005	5.4	5.7	0.11	0.11	<1.0	<1.0
							0.38	305	26.0	26.0		32.5	32.6	8.0	8.0	103.6	104.1	7.0	7.0	10.4	10.4	0.008	0.005	14.5	14.2	0.06	0.06	<1.0	<1.0
							0.38	305	26.0	26.0		32.6	32.6	8.0	8.0	104.5	104.5	7.1	7.0	10.3	10.3	<0.001	0.005	13.8	14.2	0.05	0.06	<1.0	<1.0

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2023/11/10

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Total Residual Chlorine (mg/L)		Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
							Velocity (m/s)	Direction	Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average
Mid-Ebb	E2	Cloudy	Moderate	10:05	9.2	S	0.48	220	25.7	25.7	25.5	31.8	31.8	8.2	8.2	108.8	108.9	7.4	7.4	2.1	2.1	<0.001	<0.001	3.4	3.2	0.04	0.04	<1.0	<1.0	<1.0	
							0.48	220	25.7	25.7		31.8	31.8	8.2	8.2	109.0	109.0	7.4	7.4	2.1	2.1	<0.001	<0.001	3.0	3.2	0.04	0.04	<1.0	<1.0	<1.0	
							0.29	112	25.4	25.4		31.9	31.9	8.2	8.2	104.9	105.1	7.2	7.2	1.8	1.9	<0.001	0.002	3.9	3.8	0.05	0.05	<1.0	<1.0	<1.0	
						0.29	112	25.4	25.4	31.9		31.9	8.2	8.2	105.3	105.3	7.2	7.2	1.9	1.9	<0.001	<0.001	3.6	3.8	0.05	0.05	<1.0	<1.0	<1.0		
						0.10	31	25.3	25.3	32.2		32.2	8.2	8.2	99.7	99.6	6.8	6.8	7.0	6.8	<0.001	<0.001	12.0	12.4	0.06	0.06	<1.0	<1.0	<1.0		
						0.10	31	25.3	25.3	32.2		32.2	8.2	8.2	99.5	99.6	6.8	6.8	6.5	6.5	<0.001	<0.001	12.7	12.4	0.06	0.06	<1.0	<1.0	<1.0		
	IM6	Cloudy	Moderate	9:33	17.0	S	0.40	253	25.3	25.3	25.2	32.8	32.8	8.2	8.2	103.1	103.2	7.0	7.0	1.3	1.2	<0.001	<0.001	2.7	2.5	0.03	0.03	<1.0	<1.0	<1.0	
							0.40	253	25.3	25.3		32.8	32.8	8.2	8.2	103.3	103.2	7.1	7.0	1.1	1.2	<0.001	<0.001	2.3	2.5	0.03	0.03	<1.0	<1.0	<1.0	
							0.45	257	25.2	25.2		32.8	32.8	8.2	8.2	100.3	100.4	6.9	6.9	1.7	1.7	<0.001	0.001	3.2	3.0	0.03	0.03	<1.0	<1.0	<1.0	
						0.45	257	25.2	25.2	32.8		32.8	8.2	8.2	100.4	100.4	6.9	6.9	1.7	1.7	0.001	0.001	2.8	3.0	<0.02	0.03	<1.0	<1.0	<1.0		
						0.09	189	25.2	25.2	32.8		32.9	8.2	8.2	97.9	97.9	6.7	6.7	2.6	2.6	<0.001	<0.001	4.6	4.4	<0.02	<0.02	<1.0	<1.0	<1.0		
						0.09	189	25.2	25.2	32.9		32.9	8.2	8.2	97.9	97.9	6.7	6.7	2.6	2.6	<0.001	<0.001	4.2	4.4	<0.02	<0.02	<1.0	<1.0	<1.0		
Mid-Flood	F3	Fine	Rough	15:58	18	S	0.78	291	26.3	26.3	26.0	32.6	32.6	8.1	8.1	110.7	112.0	7.4	7.5	0.3	0.3	<0.001	<0.001	3.2	3.0	<0.02	0.02	<1.0	<1.0	<1.0	
							0.78	291	26.3	26.3		32.6	32.6	8.1	8.1	113.2	112.0	7.6	7.6	0.3	0.3	<0.001	<0.001	2.8	3.0	<0.02	0.02	<1.0	<1.0	<1.0	
							0.45	247	25.9	25.9		32.9	32.9	8.0	8.0	98.2	98.5	6.6	6.7	1.3	1.3	<0.001	<0.001	4.0	4.2	<0.02	<0.02	<1.0	<1.0	<1.0	
						0.45	247	25.9	25.9	32.9		32.9	8.0	8.0	98.7	98.5	6.7	6.7	1.3	1.3	<0.001	<0.001	4.3	4.2	<0.02	<0.02	<1.0	<1.0	<1.0		
						0.56	319	25.9	25.9	32.9		32.9	8.0	8.0	97.8	97.3	6.6	6.6	3.4	3.5	<0.001	<0.001	6.1	6.0	<0.02	<0.02	<1.0	<1.0	<1.0		
						0.56	319	25.9	25.9	32.9		32.9	8.0	8.0	96.8	96.5	6.5	6.5	3.5	3.5	<0.001	<0.001	5.8	6.0	<0.02	<0.02	<1.0	<1.0	<1.0		
	IM6	Fine	Rough	15:43	16.6	S	0.57	302	26.4	26.4	26.2	32.6	32.6	8.1	8.1	113.6	114.3	7.6	7.7	0.8	0.8	<0.001	<0.001	2.3	2.4	0.02	0.02	<1.0	<1.0	<1.0	
							0.57	302	26.4	26.4		32.6	32.6	8.1	8.1	115.0	114.3	7.7	7.7	0.7	0.7	<0.001	<0.001	2.5	2.4	0.02	0.02	<1.0	<1.0	<1.0	
							0.47	299	26.2	26.2		32.7	32.7	8.1	8.1	105.5	106.5	7.1	7.2	1.8	1.7	<0.001	<0.001	4.0	4.0	0.02	0.02	<1.0	<1.0	<1.0	
						0.47	299	26.2	26.2	32.7		32.7	8.1	8.1	107.5	106.5	7.2	7.2	1.5	1.5	<0.001	<0.001	4.0	4.0	<0.02	0.02	<1.0	<1.0	<1.0		
						0.21	3	25.9	25.9	32.9		32.9	8.2	8.2	102.1	100.9	6.9	6.8	5.6	5.9	<0.001	<0.001	7.6	7.4	<0.02	<0.02	<1.0	<1.0	<1.0		
						0.26	94	25.9	25.9	32.9		32.9	8.1	8.1	99.7	100.9	6.7	6.8	6.2	5.9	<0.001	<0.001	7.1	7.4	<0.02	<0.02	<1.0	<1.0	<1.0		

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2023/11/16

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Total Residual Chlorine (mg/L)		Suspended Solids (mg/L)		Total Inorganic Nitrogen (mg/L)		5-day Biochemical Oxygen Demand (mg/L)		
							Velocity (m/s)	Direction	Value	Average	DA	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average
Mid-Ebb	E2	Cloudy	Rough	13:45	9.0	S	0.65	200	24.9	24.9	24.9	32.5	32.5	8.1	8.1	94.5	94.2	6.5	6.5	10.2	10.3	<0.001	<0.001	13.6	14.4	0.11	0.11	<1.0	<1.0
							0.63	156	24.9	32.5		32.5	8.1	8.1	93.9	94.2	6.5	6.5	10.4	10.3	<0.001	<0.001	15.1	14.4	0.11	0.11	<1.0	<1.0	
							0.43	177	24.9	32.5		32.5	8.1	8.1	95.5	95.4	6.6	6.6	12.0	11.6	<0.001	<0.001	13.1	13.4	0.11	0.11	<1.0	<1.0	
						0.43	177	24.9	32.5	32.5		8.1	8.1	95.2	95.4	6.6	6.6	11.1	11.6	<0.001	<0.001	13.6	13.4	0.11	0.11	<1.0	<1.0		
						0.38	258	24.9	32.5	32.5		8.1	8.1	99.7	99.0	6.9	6.8	10.6	11.1	<0.001	<0.001	13.4	12.7	0.11	0.11	<1.0	<1.0		
						0.29	139	24.9	32.5	32.5		8.1	8.1	98.3	98.3	6.8	6.8	11.6	11.6	<0.001	<0.001	11.9	11.9	0.11	0.11	<1.0	<1.0		
	IM6	Cloudy	Rough	13:07	17.0	S	0.70	105	25.2	25.2	25.1	32.9	32.9	8.1	8.1	95.3	95.3	6.5	6.5	3.9	3.9	<0.001	<0.001	5.4	5.5	0.06	0.06	<1.0	<1.0
							0.70	105	25.2	32.9		32.9	8.1	8.1	95.2	95.3	6.5	6.5	3.8	3.9	<0.001	<0.001	5.5	5.5	0.06	0.06	<1.0	<1.0	
							0.38	292	25.1	32.9		32.9	8.1	8.1	96.1	96.0	6.6	6.6	4.2	4.2	<0.001	<0.001	5.2	5.6	0.06	0.06	<1.0	<1.0	
						0.78	108	25.2	32.9	32.9		8.1	8.1	95.9	96.0	6.6	6.6	4.1	4.2	<0.001	<0.001	6.0	6.0	0.06	0.06	<1.0	<1.0		
						0.10	22	25.1	32.9	32.9		8.1	8.1	97.7	97.1	6.7	6.6	8.9	8.9	<0.001	<0.001	6.8	9.2	0.06	0.06	<1.0	<1.0		
						0.10	22	25.1	32.9	32.9		8.1	8.1	96.4	96.4	6.6	6.6	8.8	8.9	<0.001	<0.001	11.5	11.5	0.06	0.06	<1.0	<1.0		
Mid-Flood	F3	Cloudy	Rough	08:40	18	S	0.49	280	25.2	25.2	25.2	32.9	32.9	8.2	8.2	93.2	93.2	6.4	6.4	3.2	3.3	<0.001	0.002	4.5	4.6	0.06	0.06	<1.0	<1.0
							1.02	294	25.2	32.9		32.9	8.2	8.2	93.2	93.2	6.4	6.4	3.3	3.3	<0.001	0.002	4.7	4.6	0.06	0.06	<1.0	<1.0	
							0.28	189	25.2	32.9		32.9	8.2	8.2	93.6	93.5	6.4	6.4	4.8	5.0	<0.001	0.002	6.1	6.1	0.07	0.08	<1.0	<1.0	
						0.38	118	25.2	32.9	32.9		8.2	8.2	93.4	93.5	6.4	6.4	5.2	5.0	0.002	0.002	6.0	6.1	0.08	0.08	<1.0	<1.0		
						0.59	351	25.2	32.9	32.9		8.1	8.1	95.4	94.8	6.5	6.5	13.2	13.2	<0.001	<0.001	18.8	19.3	0.04	0.04	<1.0	<1.0		
						0.59	351	25.2	32.9	32.9		8.1	8.1	94.2	94.2	6.4	6.4	13.2	13.2	<0.001	<0.001	19.8	19.3	0.04	0.04	<1.0	<1.0		
	IM6	Cloudy	Rough	08:26	16	S	0.40	337	25.2	25.2	25.2	32.8	32.8	8.1	8.1	93.0	93.2	6.4	6.4	3.5	3.4	<0.001	<0.001	4.3	4.5	0.06	0.06	<1.0	<1.0
							0.40	337	25.1	32.8		32.8	8.1	8.1	93.3	92.9	6.4	6.4	3.2	3.4	<0.001	<0.001	4.6	4.5	0.04	0.05	<1.0	<1.0	
							0.05	2	25.2	32.8		32.8	8.1	8.1	92.8	92.9	6.3	6.4	4.6	4.7	<0.001	<0.001	9.6	8.4	0.04	0.06	<1.0	<1.0	
						0.45	250	25.2	32.8	32.8		8.1	8.1	92.9	92.9	6.4	6.4	4.8	4.8	<0.001	<0.001	7.1	7.1	0.07	0.07	<1.0	<1.0		
						0.35	96	25.2	32.8	32.8		8.1	8.1	94.9	94.4	6.5	6.5	6.1	6.6	<0.001	<0.001	10.1	9.1	0.04	0.05	<1.0	<1.0		
						0.15	349	25.2	32.8	32.8		8.1	8.1	93.9	94.4	6.4	6.4	7.0	6.6	<0.001	<0.001	8.0	9.1	0.06	0.06	<1.0	<1.0		

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; B: 1 m above the seabed



Water Quality Monitoring Data Log Sheet

Date: 2023/11/23

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level***	Current		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)		Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)					
							Velocity (m/s)	Direction	Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
Mid-Ebb	E2	Cloudy	Calm	8:00	9.0	S	0.33	152	23.4	23.4	23.4	32.8	32.8	8.1	8.1	93.6	93.7	6.6	6.6	1.6	1.7	<0.001	<0.001	2.3	2.5	0.14	0.15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
							0.33	152	23.4	23.4		32.8	32.8	8.1	8.1	93.7	93.7	6.6	6.6	1.7	1.7	<0.001	<0.001	2.6	2.5	0.15	0.15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
							0.11	281	23.4	23.4		32.8	32.8	8.1	8.1	94.4	94.2	6.7	6.6	1.8	1.9	<0.001	<0.001	3.0	3.2	0.14	0.14	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
						0.11	281	23.4	23.4	32.8		32.8	8.1	8.1	93.9	94.2	6.6	6.6	1.9	1.9	<0.001	<0.001	3.4	3.2	0.14	0.14	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
						0.20	6	23.5	23.5	32.9		32.9	8.1	8.1	96.7	96.0	6.8	6.8	3.0	3.0	<0.001	<0.001	4.8	4.7	0.13	0.13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
						0.31	76	23.5	23.7	32.9		32.9	8.1	8.1	95.2	95.2	6.7	6.7	3.0	3.0	<0.001	<0.001	4.5	4.5	0.13	0.13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	IM6	Cloudy	Calm	7:57	17.0	S	0.28	93	23.7	23.7	23.7	33.1	33.1	8.1	8.1	93.0	93.1	6.5	6.5	2.3	2.3	<0.001	<0.001	2.8	2.6	0.07	0.08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
							0.43	233	23.7	23.7		33.1	33.1	8.1	8.1	93.2	93.2	6.5	6.5	2.2	2.3	<0.001	<0.001	2.4	2.4	0.08	0.08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
							0.13	330	23.7	23.7		33.1	33.1	8.1	8.1	93.2	93.2	6.5	6.5	2.4	2.4	<0.001	<0.001	3.5	3.7	0.08	0.08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
						0.15	113	23.7	23.7	33.1		33.1	8.1	8.1	95.6	95.2	6.7	6.7	2.3	2.3	<0.001	<0.001	3.9	3.7	0.08	0.08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
						0.29	244	24.6	24.6	33.1		33.1	8.1	8.1	94.9	94.9	6.6	6.6	2.6	2.8	<0.001	<0.001	4.0	4.2	0.08	0.08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
						0.29	244	24.6	24.6	33.1		33.1	8.1	8.1	100.8	101.2	7.0	7.0	2.8	2.8	<0.001	<0.001	4.4	4.4	0.07	0.08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Mid-Flood	F3	Fine	Calm	14:55	17.8	S	0.21	64	23.8	23.8	24.1	33.1	33.1	8.1	8.1	97.1	96.9	6.8	6.8	1.3	1.3	<0.001	<0.001	1.8	1.7	0.06	0.06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
							0.31	46	23.8	23.8		33.1	33.1	8.1	8.1	96.6	96.9	6.8	6.8	1.2	1.2	<0.001	<0.001	1.6	1.7	0.06	0.06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
							0.21	10	23.8	23.8		33.1	33.1	8.1	8.1	98.0	97.7	6.9	6.8	2.5	2.4	<0.001	<0.001	3.0	2.9	0.06	0.06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
						0.50	335	23.8	23.8	33.0		33.0	8.0	8.0	97.3	97.3	6.8	6.8	4.0	3.8	<0.001	<0.001	2.8	2.9	0.06	0.06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
						0.52	309	24.0	24.0	33.0		33.0	8.0	8.0	98.0	98.0	6.8	6.8	4.0	3.8	<0.001	<0.001	3.7	3.5	0.06	0.06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
						0.35	276	23.8	23.8	33.0		33.0	8.0	8.0	98.0	98.0	6.8	6.8	1.7	1.7	<0.001	0.004	4.0	3.9	0.08	0.08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
	IM6	Fine	Calm	14:39	16	S	0.52	309	24.0	24.0	23.9	33.0	33.0	8.0	8.0	98.0	98.0	6.8	6.8	1.7	1.7	<0.001	<0.001	4.0	3.9	0.08	0.08	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
							0.35	276	23.8	23.8		33.0	33.0	8.0	8.0	97.2	97.0	6.8	6.8	2.4	2.3	<0.001	<0.001	4.4	4.6	0.07	0.07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
							0.85	197	23.8	23.8		33.1	33.1	8.0	8.0	96.8	96.8	6.8	6.8	2.2	2.3	<0.001	<0.001	4.8	4.8	0.07	0.07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
						0.51	290	23.8	23.8	33.1		33.1	8.0	8.0	98.5	98.4	6.9	6.9	5.1	5.4	<0.001	<0.001	5.0	5.0	0.07	0.07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
						0.51	290	23.8	23.8	33.1		33.1	8.0	8.0	98.2	98.4	6.9	6.9	5.6	5.6	<0.001	<0.001	5.6	5.8	0.07	0.07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
						0.51	290	23.8	23.8	33.1		33.1	8.0	8.0	98.2	98.4	6.9	6.9	5.6	5.6	<0.001	<0.001	5.6	5.8	0.07	0.07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2023/11/29

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level***	Current		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Total Residual Chlorine (mg/L)		Suspended Solids (mg/L)		Total Inorganic Nitrogen (mg/L)		5-day Biochemical Oxygen Demand (mg/L)			
							Velocity (m/s)	Direction	Value	Average	DA	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Rough	13:11	9.2	S	0.03	239	23.6	23.6	23.6	32.8	32.8	8.3	8.3	97.0	97.0	6.8	6.8	9.1	9.0	<0.001	<0.001	10.6	10.6	0.14	0.14	<1.0	<1.0	<1.0
							0.07	25	23.6	32.8		32.8	8.3	8.3	96.9	96.9	6.8	6.8	8.9	8.9	<0.001	<0.001	10.6	10.6	0.14	0.14	<1.0	<1.0	<1.0	
							0.53	59	23.6	32.8		32.8	8.3	8.3	96.1	96.3	6.8	6.8	12.2	11.8	<0.001	<0.001	13.1	13.0	0.14	0.13	<1.0	<1.0	<1.0	
						0.53	59	23.6	32.8	32.8		8.3	8.3	96.4	96.3	6.8	6.8	11.4	11.8	<0.001	<0.001	12.8	13.0	0.14	0.13	<1.0	<1.0	<1.0		
						0.10	199	23.6	32.8	32.8		8.3	8.3	97.6	97.2	6.9	6.8	18.2	17.0	<0.001	<0.001	22.7	22.8	0.14	0.14	<1.0	<1.0	<1.0		
						0.17	173	23.6	32.8	32.8		8.3	8.3	96.9	97.2	6.8	6.8	15.8	15.8	<0.001	<0.001	22.8	22.8	0.14	0.14	<1.0	<1.0	<1.0		
	IM6	Cloudy	Rough	12:33	16.8	S	0.39	96	23.6	23.6	23.6	33.1	33.1	8.2	8.2	97.6	97.6	6.9	6.9	8.4	8.7	<0.001	<0.001	10.2	10.3	0.07	0.07	<1.0	<1.0	<1.0
							0.32	25	23.6	33.1		33.1	8.2	8.2	97.6	97.6	6.9	6.9	8.9	8.7	<0.001	<0.001	10.2	10.3	0.07	0.07	<1.0	<1.0	<1.0	
							0.14	224	23.6	33.1		33.1	8.1	8.1	96.9	96.9	6.8	6.8	10.4	10.7	<0.001	<0.001	13.6	13.5	0.06	0.07	<1.0	<1.0	<1.0	
						0.26	7	23.6	33.1	33.1		8.0	8.0	97.8	97.5	6.9	6.8	10.9	10.9	<0.001	<0.001	14.4	14.3	0.07	0.07	<1.0	<1.0	<1.0		
						0.40	115	23.6	33.1	33.1		8.1	8.0	97.1	97.5	6.8	6.8	12.1	12.0	<0.001	<0.001	14.1	14.3	0.06	0.07	<1.0	<1.0	<1.0		
						0.48	303	23.6	33.1	33.1		8.3	8.3	99.6	99.7	7.0	7.0	5.3	5.5	<0.001	0.005	6.4	6.4	0.05	0.05	<1.0	<1.0	<1.0		
Mid-Flood	F3	Cloudy	Rough	07:54	17.9	M	0.48	175	23.7	23.7	23.7	33.2	33.2	8.3	8.3	98.9	98.9	6.9	6.9	5.6	5.5	<0.001	<0.001	6.3	6.4	0.05	0.05	<1.0	<1.0	<1.0
							0.23	253	23.7	33.2		33.2	8.3	8.3	98.9	98.9	6.9	6.9	9.1	9.3	<0.001	<0.001	9.7	9.9	0.04	0.04	<1.0	<1.0	<1.0	
							0.25	326	23.7	33.2		33.2	8.3	8.3	98.2	98.1	6.9	6.9	9.5	9.3	<0.001	<0.001	10.0	10.0	0.04	0.04	<1.0	<1.0	<1.0	
						0.25	326	23.7	33.2	33.2		8.2	8.2	97.9	98.1	6.9	6.9	27.2	25.8	<0.001	0.002	30.2	30.5	0.03	0.04	<1.0	<1.0	<1.0		
						0.37	338	23.6	33.2	33.2		8.2	8.2	97.1	97.1	6.8	6.8	9.2	9.3	<0.001	<0.001	30.7	30.5	0.04	0.04	<1.0	<1.0	<1.0		
						0.15	303	23.6	33.2	33.2		8.2	8.1	97.0	97.0	6.8	6.8	9.3	9.3	<0.001	<0.001	11.5	11.4	0.04	0.04	<1.0	<1.0	<1.0		
	IM6	Cloudy	Rough	07:28	16.6	M	0.17	246	23.6	23.6	23.6	33.3	33.2	8.1	8.1	96.9	96.8	6.8	6.8	9.2	9.5	<0.001	<0.001	11.2	11.4	0.04	0.04	<1.0	<1.0	<1.0
							0.23	264	23.6	33.2		33.2	8.1	8.1	96.7	96.8	6.8	6.8	9.2	9.5	<0.001	<0.001	12.7	12.5	0.04	0.04	<1.0	<1.0	<1.0	
							0.12	262	23.6	33.3		33.2	8.0	8.0	97.5	97.5	6.8	6.8	9.2	9.5	<0.001	<0.001	12.2	12.2	0.04	0.04	<1.0	<1.0	<1.0	
						0.12	282	23.6	33.3	33.3		8.0	8.0	97.2	97.4	6.8	6.8	11.2	11.1	<0.001	<0.001	13.8	13.9	0.04	0.04	<1.0	<1.0	<1.0		
						0.12	282	23.6	33.3	33.3		8.0	8.0	97.2	97.4	6.8	6.8	11.0	11.0	<0.001	<0.001	14.0	13.9	0.04	0.04	<1.0	<1.0	<1.0		
						0.12	282	23.6	33.3	33.3		8.0	8.0	97.2	97.4	6.8	6.8	11.0	11.0	<0.001	<0.001	14.0	13.9	0.04	0.04	<1.0	<1.0	<1.0		

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2023/12/08

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Total Residual Chlorine (mg/L)		Suspended Solids (mg/L)		Total Inorganic Nitrogen (mg/L)		5-day Biochemical Oxygen Demand (mg/L)			
							Velocity (m/s)	Direction	Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	Value	Average	DA*	Value	Average	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Calm	8:06	9.2	S	0.34	115	22.3	22.3	22.3	32.9	32.9	8.2	8.2	111.7	112.1	8.0	8.1	3.4	3.5	<0.001	<0.001	4.9	4.8	0.05	0.05	1.3	1.3	1.2
							0.34	115	22.3	22.3		32.9	32.9	8.2	8.2	112.4	110.3	8.1	7.9	3.6	3.6	<0.001	<0.001	4.6	4.8	0.05	0.05	1.2	1.3	
							0.21	320	22.3	22.3		32.9	32.9	8.2	8.2	110.0	110.3	7.9	7.9	3.7	3.6	<0.001	<0.001	5.8	5.6	0.05	0.05	1.1	1.2	
							0.37	215	22.3	22.3		32.9	32.9	8.2	8.2	110.5	110.3	7.9	7.9	3.4	3.6	<0.001	<0.001	5.4	5.6	0.05	0.05	1.2	1.2	
							0.23	340	22.4	22.4		32.9	32.9	8.2	8.2	108.3	108.9	7.8	7.8	3.4	3.7	<0.001	<0.001	6.0	6.1	0.04	0.05	1.5	1.3	
							0.28	130	22.4	22.4		32.9	32.9	8.2	8.2	109.4	108.9	7.9	7.9	3.9	3.7	<0.001	<0.001	6.2	6.1	0.05	0.05	1.1	1.1	
	IM6	Cloudy	Calm	7:34	16.8	S	0.14	321	22.7	22.7	22.7	33.2	33.2	8.1	8.1	100.5	100.4	7.2	7.1	1.1	1.1	<0.001	<0.001	2.3	2.4	0.04	0.04	<1.0	<1.0	<1.0
							0.16	190	22.7	22.7		33.2	33.2	8.1	8.1	100.3	100.4	7.1	7.1	1.0	1.1	<0.001	<0.001	2.4	2.4	0.04	0.04	<1.0	<1.0	
							0.38	263	22.7	22.7		33.2	33.2	8.1	8.1	99.8	100.0	7.1	7.1	1.2	1.2	<0.001	<0.001	2.9	2.7	0.04	0.04	<1.0	<1.0	
							0.70	19	22.7	22.7		33.2	33.2	8.1	8.1	100.1	100.0	7.1	7.1	1.2	1.2	<0.001	<0.001	2.5	2.7	0.03	0.04	<1.0	<1.0	
							0.64	164	22.7	22.7		33.2	33.2	8.1	8.1	99.7	99.5	7.1	7.1	1.7	1.8	<0.001	<0.001	3.6	3.5	0.04	0.04	<1.0	<1.0	
							0.64	164	22.7	22.7		33.2	33.2	8.1	8.1	99.2	99.5	7.1	7.1	1.8	1.8	<0.001	<0.001	3.3	3.5	0.04	0.04	<1.0	<1.0	
Mid-Flood	F3	Cloudy	Rough	14:30	18.2	S	0.49	305	22.9	22.9	22.8	33.2	33.2	8.2	8.2	105.2	105.9	7.5	7.5	1.2	1.2	<0.001	<0.001	2.1	2.2	0.02	0.02	<1.0	<1.0	<1.0
							0.09	196	22.8	22.8		33.3	33.3	8.1	8.1	98.0	98.5	7.0	7.0	1.1	1.1	<0.001	<0.001	2.3	2.2	0.02	0.02	<1.0	<1.0	
							0.09	196	22.8	22.8		33.3	33.3	8.1	8.1	98.9	98.5	7.0	7.0	2.2	2.2	<0.001	<0.001	3.2	3.1	0.04	0.04	<1.0	<1.0	
							0.26	12	22.8	22.8		33.3	33.3	8.1	8.1	97.4	97.0	6.9	6.9	5.4	5.4	<0.001	<0.001	2.9	3.1	0.04	0.04	<1.0	<1.0	
							0.49	305	22.9	22.9		33.2	33.2	8.2	8.2	106.6	105.9	7.6	7.5	1.1	1.1	<0.001	<0.001	2.1	2.2	0.02	0.02	<1.0	<1.0	
							0.09	196	22.8	22.8		33.3	33.3	8.1	8.1	98.0	98.5	7.0	7.0	2.2	2.2	<0.001	<0.001	3.2	3.1	0.04	0.04	<1.0	<1.0	
	IM6	Cloudy	Rough	14:12	16.7	S	1.7	268	23.0	23.0	22.9	33.3	33.3	8.1	8.1	103.3	103.5	7.3	7.3	1.7	1.9	<0.001	0.002	2.6	2.6	0.02	0.02	<1.0	<1.0	<1.0
							0.24	60	22.9	22.9		33.3	33.3	8.1	8.1	100.6	100.6	7.1	7.2	2.3	2.3	<0.001	<0.001	3.8	3.6	0.04	0.04	<1.0	<1.0	
							0.22	182	22.9	22.9		33.3	33.3	8.1	8.1	100.8	100.8	7.2	7.2	2.3	2.3	<0.001	<0.001	3.4	3.6	0.04	0.04	<1.0	<1.0	
							1.41	238	22.8	22.8		33.3	33.3	8.0	8.0	99.9	99.9	7.1	7.1	3.2	3.2	<0.001	0.002	4.4	4.7	0.04	0.04	<1.0	<1.0	
							0.39	19	22.8	22.8		33.3	33.3	8.0	8.0	99.9	99.9	7.1	7.1	3.1	3.2	0.002	0.002	5.0	4.7	0.04	0.04	<1.0	<1.0	
							0.39	19	22.8	22.8		33.3	33.3	8.0	8.0	99.9	99.9	7.1	7.1	3.1	3.2	0.002	0.002	5.0	4.7	0.04	0.04	<1.0	<1.0	

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2023/12/11

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level***	Current		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Total Residual Chlorine (mg/L)		Suspended Solids (mg/L)		Total Inorganic Nitrogen (mg/L)		5-day Biochemical Oxygen Demand (mg/L)		
							Velocity (m/s)	Direction	Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	Value	Average	DA*	Value	Average	Value	Average
Mid-Ebb	E2	Cloudy	Moderate	10:44	9.1	S	0.30	326	23.2	23.2	23.1	32.8	32.8	8.3	8.3	131.8	133.2	9.3	9.4	1.2	1.2	<0.001	<0.001	4.5	4.4	<0.02	<0.02	1.5	1.5
							0.07	255	23.2	23.2		32.8	32.8	8.3	8.3	134.5	133.2	9.5	9.4	1.2	1.2	<0.001	<0.001	4.3	4.4	<0.02	<0.02	1.4	1.5
							0.05	231	23.1	23.1		33.0	33.0	8.3	8.3	125.0	125.2	8.9	8.9	1.6	1.5	<0.001	<0.001	3.9	4.0	<0.02	<0.02	1.2	1.2
							0.33	182	23.1	23.1		33.0	33.0	8.3	8.3	125.4	125.2	8.9	8.9	1.4	1.5	<0.001	<0.001	4.1	4.0	<0.02	<0.02	1.2	1.2
							0.52	94	23.1	23.1		33.0	33.0	8.3	8.3	121.8	122.5	8.6	8.7	2.1	2.0	<0.001	<0.001	3.4	3.6	<0.02	<0.02	<1.0	<1.0
							0.36	192	23.1	23.1		33.0	33.0	8.3	8.3	123.1	123.1	8.7	8.7	1.8	1.8	<0.001	<0.001	3.7	3.7	<0.02	<0.02	<1.0	<1.0
	IM6	Cloudy	Moderate	10:13	16.9	S	0.21	120	23.0	23.0	23.0	33.2	33.2	8.1	8.1	112.1	112.3	7.9	8.0	1.0	1.0	<0.001	0.002	3.0	3.2	<0.02	<0.02	<1.0	<1.0
							0.21	313	23.0	23.0		33.2	33.2	8.1	8.1	110.0	110.1	7.8	7.8	1.0	1.0	<0.001	0.002	3.0	3.2	<0.02	<0.02	<1.0	<1.0
							0.21	120	23.0	23.0		33.2	33.2	8.1	8.1	112.5	112.3	8.0	8.0	1.0	1.0	<0.001	0.002	3.0	3.2	<0.02	<0.02	<1.0	<1.0
							0.21	313	23.0	23.0		33.2	33.2	8.1	8.1	110.2	110.1	7.8	7.8	1.1	1.2	<0.001	0.002	3.3	3.4	<0.02	<0.02	<1.0	<1.0
							0.08	221	23.0	23.0		33.2	33.2	8.1	8.1	108.3	108.4	7.7	7.7	2.2	2.1	<0.001	0.005	4.1	3.9	<0.02	<0.02	<1.0	<1.0
							0.06	221	23.0	23.0		33.2	33.2	8.1	8.1	108.5	108.4	7.7	7.7	1.9	2.1	0.008	0.005	3.7	3.9	<0.02	<0.02	<1.0	<1.0
Mid-Flood	F3	Cloudy	Moderate	15:37	18.1	S	0.03	243	23.6	23.6	23.2	33.2	33.2	8.2	8.2	118.4	118.4	8.3	8.3	0.2	0.2	<0.001	<0.001	1.2	1.4	<0.02	<0.02	<1.0	<1.0
							0.09	98	23.5	23.5		33.2	33.2	8.2	8.2	118.4	118.4	8.3	8.3	0.2	0.2	<0.001	<0.001	1.5	1.4	<0.02	<0.02	<1.0	<1.0
							0.07	285	23.0	23.0		33.2	33.2	8.2	8.2	110.0	110.8	7.8	7.9	1.2	1.1	<0.001	<0.001	1.8	1.9	<0.02	<0.02	<1.0	<1.0
							0.35	304	23.0	23.0		33.2	33.2	8.2	8.2	111.6	110.8	7.9	7.9	1.0	1.1	<0.001	<0.001	2.0	1.9	<0.02	<0.02	<1.0	<1.0
							0.4	4	23.0	23.0		33.2	33.3	8.2	8.2	106.8	106.8	7.6	7.6	1.3	1.3	<0.001	<0.001	2.5	2.4	<0.02	0.02	<1.0	<1.0
							0.4	4	23.0	23.0		33.3	33.3	8.2	8.2	106.7	106.8	7.6	7.6	1.3	1.3	<0.001	<0.001	2.3	2.4	0.02	0.02	<1.0	<1.0
	IM6	Cloudy	Moderate	15:23	16.7	S	0.13	343	23.1	23.1	23.0	33.2	33.2	8.1	8.1	114.4	114.7	8.1	8.1	0.5	0.6	<0.001	<0.001	1.8	2.0	<0.02	<0.02	<1.0	<1.0
							0.13	343	23.1	23.1		33.2	33.2	8.1	8.1	115.0	114.7	8.1	8.1	0.6	0.6	<0.001	<0.001	2.2	2.0	<0.02	<0.02	<1.0	<1.0
							0.67	1	23.0	23.0		33.3	33.3	8.1	8.1	109.7	110.1	7.8	7.8	1.1	1.1	<0.001	<0.001	2.8	2.6	<0.02	<0.02	<1.0	<1.0
							0.07	5	23.0	23.0		33.3	33.3	8.1	8.1	110.5	110.1	7.8	7.8	1.0	1.1	<0.001	<0.001	2.4	2.6	<0.02	<0.02	<1.0	<1.0
							0.43	286	23.0	23.0		33.3	33.3	8.1	8.1	107.7	107.8	7.6	7.6	3.3	3.4	<0.001	<0.001	3.6	3.6	<0.02	<0.02	<1.0	<1.0
							0.02	341	23.0	23.0		33.3	33.3	8.1	8.1	107.8	107.8	7.6	7.6	3.4	3.4	<0.001	<0.001	4.2	3.9	<0.02	<0.02	<1.0	<1.0

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2023/12/18

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level***	Current		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Total Residual Chlorine (mg/L)		Suspended Solids (mg/L)		Total Inorganic Nitrogen (mg/L)		5-day Biochemical Oxygen Demand (mg/L)			
							Velocity (m/s)	Direction	Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value
Mid-Ebb	E2	Cloudy	Moderate	16:33	9.4	S	0.57	132	21.8	21.8	21.8	32.8	21.8	8.1	8.1	95.9	95.7	7.0	6.9	10.4	10.1	<0.001	<0.001	10.5	10.7	0.16	0.16	<1.0	<1.0	2.1
							0.20	35	21.8	32.8		21.8	8.1	8.1	95.4	96.5	6.9	7.0	9.7	10.5	<0.001	<0.001	10.8	10.7	0.16	0.16	1.8	1.4		
							0.21	263	21.8	21.8		32.8	21.8	8.1	8.1	96.8	96.5	7.0	7.0	10.9	10.7	<0.001	<0.001	11.8	12.0	0.16	0.16	1.5	1.7	
						0.21	4	21.8	21.8	32.8		21.8	8.1	8.1	96.2	96.5	7.0	7.0	10.5	10.7	<0.001	<0.001	12.1	12.0	0.16	0.16	1.9	1.7		
						0.19	175	21.8	21.8	32.7		21.7	8.1	8.1	100.3	99.5	7.3	7.2	13.1	13.2	<0.001	0.001	14.2	14.1	0.17	0.17	2.9	3.3		
						0.33	282	21.8	21.8	32.7		21.7	8.1	8.1	98.7	99.5	7.2	7.2	13.3	13.2	0.001	0.001	13.9	14.1	0.17	0.17	3.6	3.3		
	IM6	Cloudy	Moderate	15:58	17.0	S	0.24	84	22.2	22.2	22.2	33.1	33.1	8.1	8.1	99.6	99.6	7.2	7.2	5.2	4.8	<0.001	<0.001	5.3	5.2	0.10	0.10	1.3	1.2	
							0.27	212	22.2	22.2		33.1	33.1	8.1	8.1	99.7	99.5	7.2	7.2	4.4	4.8	<0.001	<0.001	5.1	5.2	0.09	0.09	1.1	1.2	
							0.27	212	22.2	22.2		33.1	33.1	8.1	8.1	99.3	99.5	7.1	7.2	6.6	6.8	<0.001	<0.001	7.2	7.2	0.09	0.09	<1.0	<1.0	
						0.19	298	22.2	22.2	33.1		33.1	8.1	8.1	101.2	100.8	7.3	7.2	6.9	6.8	<0.001	<0.001	7.1	7.2	0.08	0.09	<1.0	<1.0		
						0.19	298	22.2	22.2	33.1		33.1	8.1	8.1	101.2	100.8	7.3	7.2	8.3	8.2	<0.001	0.003	10.7	10.8	0.09	0.09	<1.0	<1.0		
						0.19	298	22.2	22.2	33.1		33.1	8.1	8.1	100.3	99.5	7.2	7.2	8.1	8.2	0.004	0.003	10.8	10.8	0.09	0.09	<1.0	<1.0		
Mid-Flood	F3	Cloudy	Rough	11:02	18	S	0.22	191	22.0	22.0	22.0	32.9	32.9	8.0	8.0	98.9	98.9	7.1	7.1	5.5	5.4	<0.001	<0.001	6.1	6.3	0.09	0.09	<1.0	<1.0	
							0.24	317	22.0	22.0		32.9	32.9	8.0	8.0	98.8	98.9	7.1	7.1	5.3	5.4	<0.001	<0.001	6.4	6.3	0.08	0.09	<1.0	<1.0	
							0.19	267	22.0	22.0		32.9	32.9	8.0	8.0	98.2	98.3	7.1	7.1	6.3	6.9	<0.001	0.001	5.0	5.2	0.09	0.09	<1.0	<1.0	
						0.32	297	22.0	22.0	32.9		32.9	8.0	8.0	98.0	97.9	7.1	7.1	6.3	6.9	0.001	0.001	5.4	5.2	0.09	0.09	<1.0	<1.0		
						0.35	317	22.0	22.0	32.9		32.9	8.0	8.0	97.7	97.9	7.1	7.1	6.3	6.9	<0.001	<0.001	5.4	5.2	0.09	0.09	<1.0	<1.0		
						0.24	297	22.0	22.0	32.9		32.9	8.0	8.0	98.0	97.9	7.1	7.1	6.3	6.9	<0.001	<0.001	5.4	5.2	0.09	0.09	<1.0	<1.0		
	IM6	Cloudy	Rough	10:40	16	S	0.24	26	21.9	21.9	21.9	32.9	32.9	7.9	7.9	97.5	97.5	7.1	7.1	5.5	5.5	<0.001	<0.001	6.5	6.4	0.10	0.10	<1.0	<1.0	
							0.24	295	21.9	21.9		32.9	32.9	7.9	7.9	97.4	97.5	7.1	7.1	5.5	5.5	<0.001	<0.001	6.2	6.4	0.10	0.10	<1.0	<1.0	
							0.16	271	21.9	21.9		32.9	32.9	7.9	7.9	97.0	97.0	7.0	7.0	5.6	5.6	<0.001	0.001	7.0	6.9	0.10	0.11	<1.0	<1.0	
						0.07	200	21.9	21.9	32.9		32.9	7.9	7.9	97.0	97.0	7.0	7.0	5.6	5.6	0.001	0.001	6.8	6.9	0.11	0.11	<1.0	<1.0		
						0.28	153	21.9	21.9	32.9		32.9	7.9	7.9	96.6	96.5	7.0	7.0	7.3	8.0	<0.001	0.001	10.8	9.3	0.10	0.10	<1.0	<1.0		
						0.45	334	21.9	21.9	32.9		32.9	7.9	7.9	96.4	96.4	7.0	7.0	8.6	8.0	0.001	0.001	7.8	9.3	0.10	0.10	<1.0	<1.0		

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2023/12/28

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Total Residual Chlorine (mg/L)		Suspended Solids (mg/L)		Total Inorganic Nitrogen (mg/L)		5-day Biochemical Oxygen Demand (mg/L)				
							Velocity (m/s)	Direction	Value	Average	DA	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value
Mid-Ebb	E2	Fine	Moderate	12:23	9.1	S	0.09	160	19.4	19.4	19.3	33.4	33.4	8.2	8.2	99.9	100.1	7.6	7.6	4.0	3.9	<0.001	<0.001	4.8	4.6	0.06	0.06	<1.0	<1.0		
							0.10	256	19.5	19.2		33.4	33.4	8.2	8.2	100.3	100.3	7.6	7.6	3.8	3.8	<0.001	<0.001	4.4	4.6	0.06	0.06	<1.0	<1.0		
							0.16	8	19.2	19.2		33.4	33.4	8.2	8.2	98.8	98.9	7.5	7.5	4.8	4.9	<0.001	<0.001	5.7	6.0	0.06	0.06	<1.0	<1.0		
						0.25	51	19.2	19.2	33.4		33.4	8.2	8.2	98.9	98.9	7.5	7.5	4.9	4.9	<0.001	<0.001	6.2	6.0	0.06	0.06	<1.0	<1.0			
						0.15	30	19.2	19.2	33.4		33.4	8.1	8.1	99.3	99.1	7.5	7.5	5.4	5.6	<0.001	<0.001	7.3	7.2	0.07	0.07	<1.0	<1.0			
						0.16	5	19.2	19.2	33.4		33.4	8.1	8.1	98.9	98.9	7.5	7.5	5.8	5.6	<0.001	<0.001	7.1	7.2	0.07	0.07	<1.0	<1.0			
	IM6	Fine	Moderate	11:53	17.0	S	0.17	100	19.7	19.7	19.5	33.4	33.4	8.1	8.1	99.6	100.0	7.5	7.5	3.4	3.6	<0.001	<0.001	3.8	3.5	0.05	0.05	<1.0	<1.0		
							0.17	100	19.7	19.7		33.4	33.4	8.1	8.1	100.3	100.0	7.5	7.5	3.7	3.6	<0.001	<0.001	3.2	3.5	0.04	0.05	<1.0	<1.0		
							0.18	37	19.5	19.5		33.4	33.4	8.1	8.1	98.6	98.6	7.4	7.4	3.7	3.8	<0.001	<0.001	4.4	4.3	0.05	0.05	<1.0	<1.0		
						0.18	37	19.5	19.5	33.4		33.4	8.1	8.1	98.6	98.6	7.4	7.4	3.9	3.8	<0.001	<0.001	4.2	4.3	0.05	0.05	<1.0	<1.0			
						0.12	181	19.4	19.4	33.4		33.4	8.1	8.1	97.5	97.5	7.4	7.4	4.4	4.4	<0.001	<0.001	5.2	5.2	0.06	0.06	<1.0	<1.0			
						0.15	333	19.4	19.4	33.4		33.4	8.1	8.1	97.5	97.5	7.4	7.4	4.2	4.3	<0.001	<0.001	5.2	5.2	0.06	0.06	<1.0	<1.0			
Mid-Flood	F3	Cloudy	Rough	7:54	17.6	S	0.41	309	19.4	19.4	19.4	33.5	33.5	8.2	8.2	98.8	99.0	7.5	7.5	3.7	3.6	<0.001	<0.001	4.4	4.5	0.06	0.06	<1.0	<1.0		
							0.41	309	19.4	19.4		33.5	33.5	8.2	8.2	99.1	99.1	7.5	7.5	3.5	3.5	<0.001	<0.001	4.6	4.5	0.06	0.06	<1.0	<1.0		
							0.39	260	19.4	19.4		33.5	33.5	8.2	8.2	98.0	98.3	7.4	7.4	4.5	4.2	<0.001	<0.001	3.6	3.5	0.06	0.06	<1.0	<1.0		
						0.22	323	19.4	19.4	33.5		33.5	8.2	8.2	98.5	98.3	7.4	7.4	3.9	4.2	<0.001	<0.001	3.3	3.5	0.06	0.06	<1.0	<1.0			
						0.22	323	19.4	19.4	33.5		33.5	8.2	8.2	98.0	98.0	7.4	7.4	7.0	6.7	<0.001	<0.001	11.2	10.7	0.06	0.06	<1.0	<1.0			
						0.22	323	19.4	19.4	33.5		33.5	8.2	8.2	98.0	98.0	7.4	7.4	6.4	6.7	<0.001	<0.001	10.1	10.7	0.06	0.06	<1.0	<1.0			
	IM6	Cloudy	Rough	7:36	16.3	S	0.12	290	19.5	19.5	19.6	33.5	33.5	8.1	8.1	97.8	97.9	7.4	7.4	7.4	7.4	<0.001	<0.001	9.1	8.0	0.08	0.08	1.4	1.3		
							0.23	303	19.5	19.5		33.5	33.5	8.1	8.1	98.0	98.0	7.4	7.4	7.4	7.4	<0.001	<0.001	6.9	8.0	0.08	0.08	1.2	1.3		
							0.2	192	19.6	19.6		33.5	33.5	8.1	8.1	97.6	97.7	7.3	7.4	8.1	8.5	<0.001	0.002	11.9	11.9	0.05	0.06	<1.0	<1.0		
						0.23	109	19.6	19.6	33.5		33.5	8.1	8.1	97.7	97.7	7.4	7.4	8.9	8.5	0.002	0.002	11.9	11.9	0.06	0.06	<1.0	<1.0			
						0.18	283	19.6	19.6	33.5		33.5	8.1	8.1	98.9	98.5	7.4	7.4	9.0	8.4	<0.001	<0.001	9.3	9.5	0.06	0.06	<1.0	<1.0			
						0.42	248	19.6	19.6	33.5		33.5	8.1	8.1	98.0	98.0	7.4	7.4	7.7	8.4	<0.001	<0.001	9.6	9.5	0.06	0.06	<1.0	<1.0			

Remark: \* DA: Depth-Averaged

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

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