

ANNEX G

CONSTRUCTION PHASE MARINE WATER QUALITY MONITORING RESULTS

Water Quality Monitoring Data Log Sheet

Date: 2021/09/01

Tide: Mid-Ebb

Monitoring Station	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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
E2	Cloudy	Calm	08:19	9.0	S	0.22	136	27.64	27.64	29.65	29.65	8.15	8.15	100.5	100.7	6.71	6.72	6.48	0.6	0.6	2.1	2.2	2.4	4.7
						0.22	136	27.64	27.64	29.65	29.65	8.15	8.15	100.8	100.8	6.73	6.72	6.48	0.6	0.6		2.5		
						1.20	318	27.41	27.40	29.98	30.00	8.12	8.12	92.8	93.3	6.21	6.24	6.48	0.3	0.4		3.0		
					M	1.20	318	27.38	27.38	30.02	30.02	8.12	8.12	93.7	93.7	6.27	6.24	6.48	0.4	0.4		3.6		
						0.69	129	26.17	26.21	31.35	31.34	7.83	7.83	39.6	36.8	2.68	2.49	2.49	5.3	5.3		8.3		
						0.11	19	26.24	26.21	31.33	31.34	7.83	7.83	34.0	36.8	2.30	2.49	2.49	5.3	5.3		8.8		
IM3	Cloudy	Calm	06:54	15.0	S	0.97	139	27.22	27.22	30.31	30.31	8.11	8.11	103.7	104.0	6.95	6.97	6.55	0.5	0.5	0.8	3.0	3.1	3.4
						0.97	139	27.22	27.22	30.30	30.30	8.11	8.11	104.2	104.2	6.98	6.97	6.55	0.5	0.5		3.2		
						0.32	49	27.22	27.24	30.41	30.40	8.06	8.08	83.6	91.6	5.60	6.14	6.55	0.7	0.8		3.0		
					M	0.48	70	27.25	27.24	30.38	30.40	8.09	8.08	99.6	91.6	6.67	6.14	6.55	0.8	0.8		3.2		
						0.83	195	24.08	24.09	34.17	34.15	7.67	7.67	15.8	14.3	1.10	0.99	0.99	1.2	1.3		3.5		
						0.83	195	24.09	24.09	34.12	34.15	7.66	7.67	12.8	14.3	0.88	0.99	0.99	1.3	1.3		4.4		
IM4	Cloudy	Calm	07:16	17.0	S	0.22	309	27.30	27.30	30.20	30.20	8.15	8.16	105.2	105.7	7.04	7.08	6.09	0.4	0.4	1.4	2.3	2.6	3.9
						0.22	309	27.30	27.30	30.20	30.20	8.16	8.16	106.2	105.7	7.11	7.08	6.09	0.3	0.4		2.9		
						0.56	154	27.22	27.23	30.93	30.91	8.03	8.04	71.8	76.4	4.79	5.10	6.09	0.6	0.7		3.0		
					M	0.56	154	27.24	27.23	30.88	30.91	8.05	8.04	80.9	76.4	5.40	5.10	6.09	0.7	0.7		2.1		
						1.21	155	24.36	24.37	33.60	33.59	7.71	7.70	13.6	13.2	0.94	0.91	0.91	3.1	3.3		6.0		
						1.21	155	24.37	24.37	33.58	33.59	7.69	7.70	12.8	13.2	0.88	0.91	0.91	3.4	3.3		7.0		
IM5	Cloudy	Calm	07:55	15.0	S	0.94	2	27.33	27.33	30.37	30.38	8.16	8.16	100.5	101.0	6.72	6.75	6.18	0.3	0.3	1.2	2.7	2.6	3.5
						0.94	2	27.33	27.33	30.39	30.38	8.16	8.16	101.4	101.0	6.78	6.75	6.18	0.3	0.3		2.4		
						0.77	336	27.41	27.42	30.97	30.98	8.09	8.10	81.6	84.4	5.43	5.62	6.18	0.4	0.4		2.0		
					M	0.77	336	27.42	27.42	30.98	30.98	8.10	8.10	87.2	84.4	5.80	5.62	6.18	0.4	0.4		2.8		
						0.54	281	24.84	24.86	33.64	33.63	7.85	7.84	35.4	33.6	2.42	2.30	2.30	2.8	3.0		5.4		
						0.54	281	24.88	24.86	33.62	33.63	7.83	7.84	31.8	33.6	2.17	2.30	2.30	3.1	3.0		5.7		
IM6	Cloudy	Calm	07:40	16.0	S	0.56	134	27.47	27.47	30.83	30.83	8.16	8.16	99.0	99.1	6.58	6.59	6.39	0.3	0.3	1.3	2.6	2.7	3.5
						0.56	134	27.47	27.47	30.83	30.83	8.16	8.16	99.1	99.1	6.59	6.59	6.39	0.3	0.3		2.8		
						0.51	81	28.08	28.12	32.47	32.57	8.12	8.13	93.0	94.9	6.07	6.19	6.39	0.4	0.2		2.7		
					M	0.57	234	28.15	28.12	32.66	32.57	8.13	8.13	96.8	94.9	6.30	6.19	6.39	0.0	0.2		2.6		
						1.00	90	25.12	24.83	34.15	34.18	7.90	7.87	43.9	40.2	3.01	2.76	2.76	3.2	3.5		5.1		
						1.00	90	24.53	24.83	34.21	34.18	7.84	7.87	36.5	40.2	2.50	2.76	2.76	3.8	3.5		5.4		

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2021/09/01

Tide: Mid-Flood

Monitoring Station	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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
F2	Cloudy	Calm	20:48	19.0	S	0.52	218	27.97	27.97	31.96	31.96	8.16	8.16	102.3	102.5	6.71	6.72	6.46	0.3	0.4	2.0	2.4	2.3	4.0
						0.52	218	27.97	27.97	31.96	31.96	8.16	8.16	102.6	102.5	6.73	6.72	6.46	0.3	0.4				
					M	0.58	155	27.90	27.90	32.37	32.36	8.12	8.13	93.5	94.8	6.12	6.21	6.21	0.4	0.4	2.0	2.2	2.5	
						0.41	243	27.90	27.90	32.34	32.36	8.13	8.13	96.1	94.8	6.29	6.21	6.21	0.3	0.4				
					B	0.81	186	23.22	23.22	34.74	34.74	7.80	7.80	29.5	27.4	2.06	1.91	1.91	5.2	5.3	2.0	7.1	7.3	
						0.29	306	23.22	23.22	34.74	34.74	7.79	7.80	25.2	27.4	1.76	1.91	1.91	5.4	5.3				
F3	Cloudy	Calm	20:02	17.0	S	0.71	182	27.89	27.89	31.35	31.35	8.17	8.17	104.3	104.6	6.87	6.89	6.64	0.2	0.2	1.5	1.5	1.6	2.9
						0.71	182	27.88	27.88	31.35	31.35	8.17	8.17	104.9	104.6	6.91	6.89	6.64	0.2	0.2				
					M	0.59	329	28.02	28.03	32.79	32.78	8.13	8.14	96.4	98.1	6.28	6.39	6.39	0.3	0.3	1.5	1.4	1.9	
						0.59	329	28.03	28.03	32.76	32.78	8.14	8.14	99.7	98.1	6.50	6.39	6.39	0.3	0.3				
					B	0.35	83	25.37	25.48	34.22	34.23	7.90	7.90	47.3	45.6	3.20	3.08	3.08	3.9	4.0	1.5	5.8	5.4	
						0.50	213	25.58	25.48	34.24	34.23	7.90	7.90	43.9	45.6	2.96	3.08	3.08	4.0	4.0				
IM3	Cloudy	Calm	18:52	15.0	S	0.30	171	27.46	27.48	30.12	30.11	8.12	8.14	120.8	124.9	8.07	8.34	6.79	0.6	0.6	1.0	3.4	3.8	4.7
						0.30	171	27.49	27.48	30.10	30.11	8.15	8.14	128.9	124.9	8.61	8.34	6.79	0.6	0.6				
					M	1.12	344	27.11	27.08	30.90	30.94	7.95	7.95	79.1	78.4	5.29	5.24	5.24	0.7	0.7	1.0	4.0	4.3	
						1.12	344	27.05	27.08	30.98	30.94	7.94	7.95	77.6	78.4	5.19	5.24	5.24	0.7	0.7				
					B	0.40	146	24.57	24.60	33.67	33.61	7.56	7.56	17.5	17.0	1.21	1.17	1.17	1.6	1.6	1.0	5.8	6.1	
						0.13	152	24.62	24.60	33.55	33.61	7.56	7.56	16.4	17.0	1.13	1.17	1.17	1.6	1.6				
IM4	Cloudy	Calm	19:15	16.0	S	0.30	287	27.55	27.55	30.25	30.25	8.17	8.17	115.7	116.1	7.71	7.74	7.08	0.4	0.4	1.4	5.8	6.3	5.3
						0.30	287	27.55	27.55	30.25	30.25	8.17	8.17	116.4	116.1	7.76	7.74	7.08	0.4	0.4				
					M	0.67	339	27.41	27.40	30.40	30.44	8.10	8.11	92.2	96.4	6.15	6.43	6.43	0.5	0.5	1.4	5.0	5.3	
						0.67	339	27.38	27.40	30.47	30.44	8.11	8.11	100.6	96.4	6.71	6.43	6.43	0.4	0.5				
					B	0.73	339	24.59	24.59	33.70	33.70	7.71	7.71	21.8	20.3	1.50	1.39	1.39	3.2	3.3	1.4	4.8	4.4	
						0.72	337	24.59	24.59	33.70	33.70	7.70	7.71	18.7	20.3	1.28	1.39	1.39	3.4	3.3				
IM5	Cloudy	Calm	19:35	15.0	S	0.94	308	27.68	27.69	30.57	30.57	8.19	8.20	114.6	115.9	7.61	7.69	6.14	0.6	0.6	2.4	3.0	2.6	4.1
						0.94	308	27.69	27.69	30.57	30.57	8.20	8.20	117.1	115.9	7.77	7.69	6.14	0.5	0.6				
					M	0.41	61	26.97	26.94	31.15	31.16	8.00	8.00	68.8	68.6	4.61	4.60	4.60	1.8	1.7	2.4	3.7	3.4	
						0.85	121	26.90	26.94	31.17	31.16	7.99	8.00	68.3	68.6	4.58	4.60	4.60	1.5	1.7				
					B	0.51	292	25.48	25.41	33.22	33.23	7.83	7.82	35.4	33.0	2.40	2.24	2.24	4.7	4.9	2.4	6.5	6.4	
						1.05	297	25.34	25.41	33.23	33.23	7.81	7.82	30.5	33.0	2.07	2.24	2.24	5.0	4.9				
IM6	Cloudy	Calm	19:48	15.0	S	1.23	21	27.79	27.79	31.07	31.07	8.18	8.18	107.1	107.3	7.08	7.09	6.80	0.4	0.4	1.1	1.9	1.7	2.4
						1.23	21	27.78	27.79	31.07	31.07	8.18	8.18	107.5	107.3	7.10	7.09	6.80	0.4	0.4				
					M	0.40	351	27.86	27.86	32.17	32.17	8.14	8.14	98.8	99.3	6.48	6.52	6.52	0.5	0.5	1.1	2.4	2.3	
						0.40	351	27.85	27.86	32.16	32.17	8.14	8.14	99.8	99.3	6.55	6.52	6.52	0.4	0.5				
					B	0.65	178	27.58	27.56	33.63	33.66	8.06	8.06	82.2	80.4	5.37	5.26	5.26	2.4	2.6	1.1	3.0	3.3	
						0.17	40	27.53	27.56	33.68	33.66	8.05	8.06	78.6	80.4	5.14	5.26	5.26	2.7	2.6				

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2021/09/03

Tide: Mid-Ebb

Monitoring Station	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)			Suspended Solids (mg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		
E2	Fine	Calm	09:55	8.0	S	0.45	169	28.17	28.20	30.10	30.07	8.36	8.36	121.4	121.9	8.01	8.04	7.92	0.6	0.6	0.8	3.5	3.1	2.5		
						0.45	169	28.23		30.04		8.36		122.3		8.07			0.6			2.6				
					M	0.47	182	28.06	28.01	30.21	30.28	8.34	8.35	117.1	118.1	7.74	7.81	0.7	0.7	0.7		3.2	2.9			
						0.47	182	27.96		30.35		8.35		119.0		7.87		0.7		2.5						
					B	1.22	112	27.17	27.17	31.32	31.27	8.20	8.20	74.3	71.5	4.95	4.77	4.77	1.1	1.2		1.1	2.0		1.7	
						0.99	175	27.17		31.21		8.19		68.7		4.58		1.2	1.4							
IM3	Fine	Calm	08:29	15.0	S	0.92	71	27.81	27.82	30.77	30.72	8.06	8.07	104.9	106.0	6.94	7.02	6.54	0.5	0.6	1.1	2.6	2.2	2.6		
						0.92	71	27.82		30.67		8.07		107.1		7.09			0.6			1.7				
					M	0.61	89	27.85	27.86	31.49	31.50	8.02	8.02	92.0	92.2	6.06	6.07		6.08	6.07		0.4	0.4		2.9	2.5
						0.61	89	27.86		31.50		8.02		92.3		6.08			0.4			2.0				
					B	0.54	64	27.55	27.58	33.03	33.05	7.97	7.97	74.8	74.8	4.91	4.91		4.91	2.5		2.5	2.5		3.6	3.2
						0.54	64	27.61		33.06		7.96		74.7		4.90			2.4	2.7						
IM4	Fine	Calm	08:52	17.0	S	1.01	60	27.86	27.86	31.01	30.99	8.16	8.17	99.7	101.2	6.58	6.68	6.31	0.6	0.7	2.8	2.1	2.6	4.8		
						0.37	218	27.86		30.97		8.17		102.7		6.78			0.7			3.0				
					M	0.37	17	28.14	28.16	32.86	32.86	8.12	8.13	91.1	91.3	5.93	5.94		5.94	5.94		1.0	1.0		3.1	2.7
						0.37	17	28.17		32.85		8.13		91.5		5.95			0.9			2.3				
					B	0.77	93	27.53	27.47	33.05	33.07	8.06	8.06	75.4	72.6	4.95	4.77		4.77	6.3		6.9	6.3		8.7	9.1
						0.77	93	27.41		33.08		8.05		69.8		4.59			7.5	9.4						
IM5	Fine	Calm	09:31	15.0	S	0.36	329	28.09	28.09	30.42	30.40	8.30	8.31	116.5	117.2	7.69	7.74	7.01	0.7	0.7	1.1	2.1	2.4	2.7		
						0.36	329	28.08		30.37		8.31		117.9		7.78			0.7			2.6				
					M	0.87	209	28.59	28.59	32.92	32.92	8.24	8.24	97.3	97.4	6.28	6.29		6.29	6.29		0.3	0.3		2.1	2.6
						0.87	209	28.59		32.92		8.24		97.4		6.29			0.3			3.0				
					B	0.44	236	28.02	28.03	33.35	33.35	8.19	8.20	85.2	85.5	5.54	5.56		5.56	5.56		2.4	2.3		3.4	3.1
						0.72	147	28.03		33.34		8.20		85.8		5.58			2.2			2.8				
IM6	Fine	Calm	09:16	16.0	S	1.00	312	27.88	27.86	30.25	30.24	8.29	8.30	120.2	121.3	7.97	8.04	7.21	0.6	0.7	0.3	3.4	3.6	2.3		
						1.00	312	27.84		30.22		8.30		122.3		8.11			0.7			3.8				
					M	0.42	162	28.67	28.67	33.29	33.30	8.21	8.22	99.1	99.2	6.37	6.38		6.38	6.38		0.0	0.0		1.7	1.4
						0.42	162	28.66		33.30		8.22		99.2		6.38			0.0			1.1				
					B	0.60	133	28.45	28.47	33.45	33.46	8.20	8.20	95.6	96.1	6.17	6.20		6.20	6.20		0.1	0.1		1.6	1.8
						1.38	148	28.49		33.46		8.20		96.6		6.23			0.1			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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2021/09/03

Tide: Mid-Flood

Monitoring Station	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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
F2	Fine	Calm	22:15	19.0	S	0.19	272	28.70	28.70	31.55	31.56	8.42	8.42	109.1	113.3	7.08	7.36	6.84	0.0	0.0	1.5	<1.0	1.0	2.8
						0.19	272	28.70	28.70	31.57	31.56	8.42	8.42	117.5	113.3	7.63	7.36		0.0	0.0		1.5	1.0	
					M	0.13	269	28.71	28.71	33.40	33.41	8.35	8.36	97.3	98.3	6.25	6.32	6.84	0.0	0.0		1.5	1.3	
						0.13	269	28.71	28.71	33.41	33.41	8.36	8.36	99.3	98.3	6.38	6.32		0.0	0.0		1.6	1.3	
					B	0.61	134	23.18	23.18	34.33	34.33	8.15	8.14	31.2	29.1	2.19	2.04	2.04	4.4	4.5		6.2	6.2	
						0.29	324	23.18	23.18	34.32	34.33	8.13	8.14	26.9	29.1	1.89	2.04		4.6	4.5		6.6	6.2	
F3	Fine	Calm	21:33	17.0	S	0.41	2	28.69	28.70	30.67	30.67	8.46	8.47	142.6	143.0	9.30	9.33	7.73	0.4	0.4	1.7	2.4	1.9	2.4
						0.41	2	28.70	28.70	30.66	30.67	8.47	8.47	143.3	143.0	9.35	9.33		0.4	0.4		1.4	1.9	
					M	0.59	296	28.44	28.46	33.45	33.39	8.33	8.33	94.3	95.1	6.08	6.14	5.16	0.8	0.8		2.1	2.1	
						0.59	296	28.48	28.46	33.32	33.39	8.33	8.33	95.9	95.1	6.19	6.14		0.7	0.8		2.5	2.1	
					B	0.94	244	27.53	27.54	33.68	33.68	8.29	8.29	79.6	78.8	5.21	5.16	5.16	3.8	3.8		3.3	3.3	
						0.62	161	27.55	27.54	33.68	33.68	8.29	8.29	78.0	78.8	5.10	5.16		3.8	3.8		3.7	3.3	
IM3	Fine	Calm	20:23	15.0	S	0.62	259	28.95	29.03	29.93	29.93	8.34	8.36	173.1	177.8	11.29	11.58	8.34	0.8	0.8	1.7	3.5	3.1	3.7
						0.62	259	29.10	29.03	29.93	29.93	8.37	8.36	182.4	177.8	11.87	11.58		0.8	0.8		2.6	3.1	
					M	0.32	316	27.46	27.41	32.03	31.74	8.10	8.10	77.3	76.9	5.11	5.10	5.54	1.4	1.3		3.7	3.7	
						0.32	316	27.35	27.41	31.45	31.74	8.09	8.10	76.5	76.9	5.08	5.10		1.2	1.3		3.4	3.8	
					B	0.64	348	28.05	28.05	33.34	33.34	8.14	8.14	85.7	85.2	5.57	5.54	5.54	2.8	2.9		4.2	4.2	
						0.64	348	28.04	28.05	33.34	33.34	8.13	8.14	84.6	85.2	5.50	5.54		2.9	2.9		4.7	4.2	
IM4	Fine	Calm	20:46	16.0	S	0.29	313	28.55	28.61	30.02	30.01	8.44	8.45	166.9	168.3	10.95	11.04	8.35	0.9	0.9	2.6	3.0	2.5	3.8
						0.29	313	28.67	28.61	30.00	30.01	8.46	8.45	169.7	168.3	11.12	11.04		0.9	0.9		2.0	2.5	
					M	0.19	347	27.66	27.66	31.94	31.89	8.24	8.24	85.9	86.0	5.66	5.67	5.33	2.3	2.2		3.6	3.6	
						0.21	6	27.65	27.66	31.83	31.89	8.24	8.24	86.0	86.0	5.67	5.67		2.1	2.2		3.7	3.6	
					B	0.31	357	27.98	27.99	33.37	33.37	8.22	8.22	82.3	81.9	5.35	5.33	5.33	4.5	4.6		5.4	5.4	
						0.14	60	27.99	27.99	33.37	33.37	8.22	8.22	81.5	81.9	5.30	5.33		4.6	4.6		5.7	5.4	
IM5	Fine	Calm	21:05	15.0	S	0.69	242	29.14	29.14	30.09	30.09	8.47	8.48	157.5	159.1	10.23	10.33	8.01	0.8	0.8	4.4	2.3	2.0	6.2
						0.69	242	29.14	29.14	30.09	30.09	8.49	8.48	160.6	159.1	10.43	10.33		0.8	0.8		1.6	2.0	
					M	1.23	200	27.73	27.75	31.91	31.98	8.28	8.28	86.0	86.4	5.66	5.69	4.55	2.0	1.9		3.2	3.2	
						1.23	200	27.76	27.75	32.05	31.98	8.28	8.28	86.8	86.4	5.71	5.69		1.8	1.9		2.9	3.2	
					B	0.42	101	27.72	27.72	33.34	33.34	8.24	8.24	70.1	69.6	4.58	4.55	4.55	10.2	10.5		13.4	13.4	
						0.70	210	27.72	27.72	33.34	33.34	8.23	8.24	69.1	69.6	4.51	4.55		10.8	10.5		13.3	13.4	
IM6	Fine	Calm	21:20	16.0	S	0.58	279	29.07	29.08	30.26	30.26	8.48	8.49	151.7	153.2	9.86	9.95	7.95	0.6	0.6	2.5	2.3	1.9	3.6
						0.58	279	29.09	29.08	30.26	30.26	8.49	8.49	154.6	153.2	10.04	10.04		0.5	0.6		1.4	1.9	
					M	0.31	303	28.16	28.17	32.81	32.84	8.32	8.32	91.4	91.5	5.94	5.95	5.43	2.9	3.2		4.0	4.0	
						0.31	303	28.18	28.17	32.87	32.84	8.31	8.32	91.5	91.5	5.95	5.95		3.4	3.2		3.7	4.0	
					B	0.45	155	27.86	27.82	33.64	33.65	8.30	8.30	85.1	83.4	5.54	5.43	5.43	3.7	3.9		4.8	4.8	
						0.45	155	27.77	27.82	33.66	33.65	8.29	8.30	81.7	83.4	5.32	5.43		4.1	3.9		4.7	4.8	

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2021/09/06

Tide: Mid-Ebb

Monitoring Station	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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
E2	Fine	Calm	12:01	9.0	S	0.60	86	29.13	29.21	31.22	31.18	8.32	8.33	131.2	133.3	8.47	8.60	8.44	1.8	1.7	2.7	4.8	4.7	5.8
						0.60	86	29.29	31.13	8.34	8.30	135.3	8.72	8.28	1.5	1.5	4.6							
						1.07	96	28.67	31.29	8.30	8.30	126.9	8.25	8.28	1.5	1.5	4.5							
					M	1.07	96	28.68	31.31	8.30	8.30	127.7	8.30	5.43	5.28	5.28	4.7	4.9	5.2					
						1.12	82	28.19	31.96	8.13	8.13	83.2	5.43	5.28	5.28	4.7	4.9	8.2						
						0.11	324	28.18	31.95	8.12	8.13	78.5	5.13	5.28	5.28	5.0	4.9	7.5						
IM3	Fine	Calm	10:20	15.0	S	0.75	143	27.88	27.81	31.54	31.53	8.09	8.09	100.6	100.8	6.62	6.64	6.35	1.1	1.1	1.3	5.6	5.5	4.8
						0.75	143	27.74	31.52	8.09	8.09	101.0	6.66	6.64	1.1	1.1	5.3							
						0.10	83	28.37	32.91	8.11	8.11	91.2	5.91	6.06	0.2	0.2	3.1							
					M	0.10	83	28.26	32.70	8.11	8.11	95.5	6.20	6.06	0.2	0.2	3.4							
						0.46	255	27.52	33.92	7.98	7.97	60.9	3.98	3.80	2.3	2.5	5.5							
						0.46	255	27.44	33.86	7.96	7.97	55.3	3.62	3.80	2.7	2.5	6.0							
IM4	Fine	Calm	10:44	17.0	S	0.66	31	28.71	28.70	31.12	31.13	8.29	8.30	136.1	140.2	8.85	9.12	6.19	1.1	1.1	10.3	3.7	4.2	16.7
						0.66	31	28.68	31.13	8.30	8.30	144.2	9.39	9.12	1.0	1.1	4.6							
						1.12	1	27.55	33.87	7.99	7.99	50.0	3.27	3.26	8.1	8.2	13.1							
					M	1.12	1	27.55	33.89	7.99	7.99	49.8	3.25	3.26	8.3	8.2	12.0							
						0.99	15	27.49	34.00	7.99	7.99	50.8	3.32	3.29	22.7	21.6	36.8							
						0.99	15	27.50	34.00	7.99	7.99	49.9	3.26	3.29	20.5	21.6	30.0							
IM5	Fine	Calm	11:35	15.0	S	1.17	93	28.70	28.74	30.92	30.92	8.36	8.36	154.4	156.5	10.06	10.19	8.33	0.3	0.3	1.7	3.7	3.5	4.2
						1.17	93	28.77	30.91	8.36	8.36	158.6	10.32	10.19	0.3	0.3	3.3							
						0.73	112	28.49	32.44	8.21	8.22	97.5	6.32	6.46	0.4	0.4	2.1							
					M	0.73	112	28.50	32.44	8.22	8.22	101.8	6.60	6.46	0.4	0.4	2.3							
						0.25	6	27.41	34.23	8.09	8.09	69.5	4.54	4.42	4.3	4.5	7.0							
						0.25	6	27.40	34.24	8.08	8.09	65.6	4.29	4.42	4.7	4.5	6.8							
IM6	Fine	Calm	11:19	16.0	S	0.72	24	28.54	28.55	31.15	31.15	8.30	8.31	140.3	142.1	9.15	9.27	7.88	0.2	0.2	0.3	3.0	3.4	3.6
						0.72	24	28.55	31.14	8.31	8.31	143.9	9.39	9.27	0.2	0.2	3.8							
						0.68	106	28.44	32.87	8.21	8.21	100.1	6.48	6.49	0.2	0.2	3.1							
					M	0.68	106	28.44	32.93	8.20	8.21	100.3	6.49	6.49	0.2	0.2	3.8							
						0.64	288	27.78	34.17	8.15	8.15	106.6	6.95	6.19	0.4	0.5	3.5							
						0.89	277	27.72	34.21	8.14	8.15	83.3	5.42	6.19	0.5	0.5	4.4							

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: 2021/09/06

Tide: Mid-Flood

Monitoring Station	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)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
F2	Fine	Calm	19:08	19.0	S	0.68	11	29.18	29.15	30.93	30.92	8.39	8.39	173.5	175.4	11.21	11.34	8.83	0.9	0.9	2.5	5.2	5.4	5.9	
						0.68	11	29.11	29.15	30.91	30.92	8.39	8.39	177.2	175.4	11.47	11.34		0.9						
						1.58	52	28.41	28.42	32.72	32.73	8.17	8.17	95.9	97.4	6.21	6.31		0.3						
					M	1.58	52	28.42	28.42	32.73	32.73	8.17	8.17	98.9	97.4	6.41	6.31	0.3	2.96	5.9	6.2	2.5	10.2	9.8	5.9
						0.58	108	24.68	24.62	34.49	34.51	7.94	7.93	46.7	43.3	3.19	2.96	6.4							
						0.39	29	24.56	24.62	34.53	34.51	7.92	7.93	39.9	43.3	2.73	2.96	6.4							
F3	Fine	Calm	18:24	17.0	S	0.45	88	29.05	29.07	31.05	31.05	8.41	8.41	174.8	176.8	11.31	11.44	8.08	0.3	0.3	4.8	3.3	3.7	8.2	
						0.45	88	29.08	29.07	31.04	31.05	8.41	8.41	178.7	176.8	11.56	11.44		0.3						
						0.15	172	27.63	27.65	33.77	33.76	8.07	8.07	72.0	72.4	4.70	4.72		3.0						
					M	0.15	172	27.66	27.65	33.74	33.76	8.07	8.07	72.7	72.4	4.74	4.72	3.3	3.30	10.7	10.9	4.8	4.7	5.3	8.2
						1.03	296	25.79	25.79	34.60	34.60	7.96	7.96	50.4	49.2	3.38	3.30	10.7							
						0.67	194	25.78	25.79	34.59	34.60	7.96	7.96	47.9	49.2	3.21	3.30	11.1							
B	1.39	257	28.15	28.14	31.21	31.22	8.22	8.22	149.5	149.7	9.81	9.83	1.7	7.85	1.6	1.7	3.6	6.0	5.9	6.9					
	1.39	257	28.12	28.14	31.22	31.22	8.22	8.22	149.8	149.7	9.84	9.83	1.6												
	0.35	273	27.67	27.67	31.94	31.94	8.00	8.01	84.8	89.0	5.59	5.87	2.7												
IM3	Fine	Calm	16:59	14.0	S	1.39	257	28.15	28.14	31.21	31.22	8.22	8.22	149.5	149.7	9.81	9.83	7.85	1.7	1.7	3.6	6.0	5.9	6.9	
						1.39	257	28.12	28.14	31.22	31.22	8.22	8.22	149.8	149.7	9.84	9.83		1.6						
						0.35	273	27.67	27.67	31.94	31.94	8.00	8.01	84.8	89.0	5.59	5.87		2.7						
					M	0.55	232	27.67	27.67	31.93	31.94	8.02	8.01	93.2	89.0	6.14	5.87	2.3	2.55	6.8	6.8	3.6	9.3	9.0	6.9
						0.42	78	26.45	26.46	34.48	34.46	7.76	7.77	39.7	38.4	2.63	2.55	6.7							
						0.42	78	26.46	26.46	34.44	34.46	7.78	7.77	37.1	38.4	2.46	2.55	6.7							
IM4	Fine	Calm	17:31	16.0	S	0.64	238	28.71	28.70	31.07	31.09	8.34	8.35	153.7	163.0	10.00	10.61	7.39	1.3	1.4	5.1	4.5	5.0	9.2	
						0.64	238	28.68	28.70	31.11	31.09	8.35	8.35	172.2	163.0	11.21	10.61		1.4						
						0.32	41	27.77	27.77	33.19	33.25	8.02	8.02	64.2	64.0	4.19	4.18		5.3						
					M	0.75	281	27.77	27.77	33.30	33.25	8.02	8.02	63.8	64.0	4.16	4.18	5.3	4.11	8.4	8.5	5.1	9.6	10.0	9.2
						0.46	274	27.37	27.37	34.15	34.15	8.02	8.02	63.5	62.9	4.15	4.11	8.4							
						0.64	222	27.36	27.37	34.15	34.15	8.02	8.02	62.2	62.9	4.07	4.11	8.6							
IM5	Fine	Calm	17:51	14.0	S	0.79	227	29.09	29.09	31.54	31.55	8.24	8.24	122.7	123.2	7.91	7.94	7.29	3.0	2.9	3.7	5.2	5.6	5.8	
						0.79	227	29.08	29.09	31.55	31.55	8.24	8.24	123.6	123.2	7.97	7.94		2.7						
						1.39	285	28.49	28.50	31.87	31.87	8.17	8.17	101.8	102.1	6.62	6.64		3.5						
					M	1.39	285	28.50	28.50	31.87	31.87	8.17	8.17	102.4	102.1	6.66	6.64	3.5	4.35	4.8	4.8	3.7	5.7	6.1	5.8
						1.14	254	27.80	27.79	33.61	33.63	8.05	8.05	67.9	66.8	4.42	4.35	4.8							
						1.14	254	27.78	27.79	33.64	33.63	8.04	8.05	65.7	66.8	4.28	4.35	4.8							
IM6	Fine	Calm	18:07	15.0	S	0.36	327	28.98	28.97	31.23	31.24	8.37	8.37	161.9	162.4	10.48	10.51	8.51	0.3	0.3	4.2	3.7	4.2	7.5	
						0.36	327	28.96	28.97	31.24	31.24	8.37	8.37	162.8	162.4	10.54	10.51		0.3						
						0.20	297	28.33	28.35	32.21	32.18	8.16	8.17	98.5	100.0	6.41	6.51		2.3						
					M	0.79	245	28.36	28.35	32.14	32.18	8.17	8.17	101.4	100.0	6.60	6.51	1.9	4.16	9.7	10.1	4.2	4.6	4.9	7.5
						0.97	313	26.81	26.80	34.30	34.31	8.02	8.02	64.9	63.0	4.28	4.16	9.7							
						0.40	318	26.78	26.80	34.32	34.31	8.01	8.02	61.1	63.0	4.03	4.16	10.4							

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2021/09/06

Tide: Mid-Ebb

Monitoring Station	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)			Suspended Solids (mg/L)									
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*							
E7A	Fine	Calm	11:45	5.9	S	0.20	117	29.25	29.26	25.05	25.06	7.82	7.82	97.1	97.5	6.48	6.51	6.51	1.9	1.8	3.7	5.1	5.0	8.4							
						0.44	172	29.26		25.06		7.82		97.9		6.53			1.7			4.8									
					B	0.57	230	28.10	28.10	28.11	28.11	7.79	7.80	88.4	87.1	5.91	5.82	5.82	5.1	5.5		12.0									
						0.57	230	28.10		28.11		7.80		85.7		5.73			5.9			11.5									
IM19	Fine	Calm	10:35	19.5	S	0.61	175	28.96	28.96	26.83	26.81	7.69	7.69	89.4	89.6	5.93	5.94	5.48	5.9	5.8	11.1	5.2	5.4	12.1							
						0.50	196	28.96		26.78		7.69		89.7		5.95			5.7			5.6									
					M	0.75	182	28.19	28.22	28.23	28.19	7.64	7.64	74.5	75.4	4.97	5.03	5.03	8.3	8.2		10.7									
						0.51	164	28.25		28.14		7.64		76.2		5.08			8.1			11.3									
					B	0.24	156	26.67	26.67	31.27	31.27	7.59	7.60	58.7	58.6	3.95	3.94	3.94	17.5	19.2		20.2									
						0.24	156	26.67		31.26		7.60		58.5		3.93			20.9			19.8									
						S	0.76	196		28.97		28.97		26.20		26.20			7.80			7.80	93.0		93.1	6.19	6.20	6.14	2.9	2.8	6.9
							0.76	196		28.96				26.20					7.80				93.2			6.21			2.7		6.3
M	0.48	271	28.87	28.88	26.32	26.32	7.79	7.79	90.7	91.1	6.04	6.07	6.07	3.7	3.6	7.1															
	0.40	232	28.88		26.31		7.79		91.5		6.10			3.4		7.1															
B	0.48	250	28.38	28.37	27.34	27.37	7.77	7.77	83.4	83.2	5.57	5.56	5.56	10.9	10.8	15.8															
	0.36	258	28.36		27.39		7.77		82.9		5.54			10.7		16.5															
	S	0.42	196		29.36		29.27		26.03		26.11			7.80		7.80	95.4	94.6	6.32	6.27	6.01	4.5	4.7	8.0							
		0.42	196		29.18				26.18					7.79			93.7		6.22			4.9		7.3							
M	0.26	210	28.64	28.63	26.69	26.71	7.77	7.77	86.4	86.2	5.77	5.76	5.76	8.1	8.2	13.7															
	0.28	194	28.62		26.73		7.77		86.0		5.74			8.3		13.2															
	B	0.47	199		28.34		28.34		27.40		27.42			7.75		7.75	83.4	82.7	5.57	5.52	5.52	11.8	12.4	17.6							
		0.47	199		28.33				27.43					7.75			81.9		5.47			13.0		17.7							
IM22A	Fine	Calm	11:03	5.5	S	0.15	275	29.87	29.86	27.41	27.39	7.73	7.74	88.7	89.3	5.78	5.82	5.82	11.1	10.3	12.5	15.1	14.9	16.7							
						0.53	356	29.84		27.37		7.74		89.9		5.86			9.5			14.6									
					B	0.38	236	29.73	29.74	27.59	27.57	7.70	7.70	85.3	85.1	5.57	5.56	5.56	14.4	14.6		18.8									
						0.26	284	29.74		27.55		7.70		84.9		5.54			14.8			18.4									

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: 2021/09/06

Tide: Mid-Flood

Monitoring Station	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)			Suspended Solids (mg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		
F6	Fine	Calm	18:34	13.8	S	0.32	344	29.63	29.64	24.74	24.75	7.82	7.82	94.5	95.3	6.27	6.32	5.80	4.3	4.3	21.0	5.9	6.2	26.2		
						0.59	251	29.64	24.75	24.75	7.82	7.82	96.0	95.3	6.37	6.32	5.80	4.3	4.3	21.0	6.4	6.2				
					M	0.46	297	28.31	28.31	28.06	28.06	7.79	7.80	79.3	79.3	5.28	5.28	5.28	5.28	5.28	5.4	5.8	21.0		6.8	7.0
						0.64	325	28.31	28.31	28.06	28.06	7.80	7.80	79.3	79.3	5.28	5.28	5.28	5.28	5.28	5.4	5.8	21.0		7.1	7.0
					B	0.54	299	27.27	27.27	29.97	29.97	7.73	7.73	64.5	64.0	4.33	4.29	4.29	4.29	4.29	52.2	52.9	21.0		66.0	65.4
						0.54	299	27.27	27.27	29.97	29.97	7.73	7.73	63.4	64.0	4.25	4.29	4.29	4.29	4.29	53.5	52.9	21.0		64.7	65.4
IM19	Fine	Calm	17:56	17.1	S	0.41	134	29.20	29.20	23.98	23.96	7.75	7.75	81.8	81.8	5.49	5.49	4.96	4.5	4.4	56.4	6.8	7.0	62.7		
						0.23	108	29.20	23.93	23.96	7.75	7.75	81.8	81.8	5.49	5.49	4.96	4.3	4.4	56.4	7.2	7.0				
					M	0.49	2	27.81	27.82	28.97	28.95	7.73	7.73	66.4	66.4	4.44	4.44	4.44	4.44	4.44	10.7	10.4	56.4		15.3	15.2
						0.49	2	27.82	27.82	28.93	28.95	7.72	7.73	66.3	66.4	4.43	4.44	4.44	4.43	4.44	10.1	10.4	56.4		15.0	15.2
					B	0.66	360	27.45	27.44	29.71	29.72	7.72	7.72	63.7	63.7	4.26	4.26	4.26	4.26	4.26	153.3	154.4	56.4		165.0	166.0
						0.66	360	27.43	27.44	29.73	29.72	7.72	7.72	63.6	63.7	4.26	4.26	4.26	4.26	4.26	155.5	154.4	56.4		167.0	166.0
IM20A	Fine	Calm	17:13	5.2	S	0.28	276	30.44	30.45	23.96	23.95	7.58	7.58	81.7	81.8	5.38	5.39	5.39	5.39	5.39	15.1	13.1	13.1	18.4		
						0.28	276	30.46	30.45	23.94	23.95	7.57	7.58	81.9	81.8	5.39	5.39	5.39	5.39	5.39	13.0	13.1	15.1		14.3	14.1
					B	0.59	80	30.09	30.09	24.32	24.32	7.66	7.64	77.8	77.3	5.14	5.11	5.11	5.11	5.11	16.9	17.1	15.1		22.5	22.8
						0.43	26	30.09	30.09	24.31	24.32	7.62	7.64	76.7	77.3	5.07	5.11	5.11	5.11	5.11	17.3	17.1	15.1		23.1	22.8
					S	0.49	46	31.97	31.74	24.95	24.95	7.60	7.60	85.5	85.1	5.46	5.45	5.45	5.45	5.45	20.3	20.3	19.4		26.2	26.4
						0.49	46	31.50	31.74	24.94	24.95	7.60	7.60	84.6	85.1	5.44	5.45	5.45	5.45	5.45	20.2	20.3	19.4		26.6	26.4
B	0.26	88	29.71	29.59	25.12	25.20	7.59	7.59	78.4	76.9	5.19	5.10	5.10	5.10	5.10	17.6	18.6	19.4	25.0	25.3						
	0.61	30	29.46	29.59	25.27	25.20	7.59	7.59	75.4	76.9	5.00	5.10	5.10	5.10	5.10	19.6	18.6	19.4	25.5	25.3						
IM22A	Fine	Calm	17:37	3.6	S	0.74	83	29.40	29.49	25.34	25.17	7.64	7.64	76.8	76.9	5.10	5.11	5.11	5.11	5.11	27.6	13.4	14.0	41.2		
						0.74	83	29.58	29.49	25.00	25.17	7.63	7.64	77.0	76.9	5.11	5.11	5.11	5.11	5.11	14.7	15.5	27.6		14.5	14.0
					B	0.77	89	29.21	29.20	25.58	25.62	7.64	7.64	75.8	75.7	5.04	5.04	5.04	5.04	5.04	36.8	39.8	27.6		67.5	68.4
						0.77	89	29.18	29.20	25.65	25.62	7.64	7.64	75.6	75.7	5.03	5.04	5.04	5.04	5.04	42.7	39.8	27.6		69.2	68.4

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2021/09/08

Tide: Mid-Ebb

Monitoring Station	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)			Suspended Solids (mg/L)					
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
E2	Fine	Calm	12:56	9.0	S	0.42	67	29.70	29.72	31.66	31.66	8.34	8.34	148.9	148.8	9.50	9.50	9.11	0.9	0.9	3.3	5.6	5.4	7.5			
						0.68	250	29.73		31.66		8.34		148.7		9.49			0.9			5.2					
					M	0.14	87	28.61	28.62	31.72	31.72	8.29	8.29	134.0	134.5	8.70	8.73	2.1	2.0	2.1		2.0	5.3				
						0.50	40	28.62		31.72		8.29		134.9		8.76		1.9		6.2							
					B	0.61	340	28.30	28.31	31.79	31.79	8.18	8.18	100.4	99.8	6.55	6.51	6.51	6.51	6.8		7.0	6.8		11.4	11.4	
						0.61	340	28.31		31.79		8.18		99.2		6.47		7.1		11.4							
IM3	Fine	Calm	11:23	16.0	S	0.45	56	28.66	28.67	31.82	31.82	8.10	8.10	113.9	114.4	7.39	7.42	7.05	2.0	2.1	1.7	6.9	6.8	4.3			
						0.45	56	28.68		31.81		8.10		114.8		7.44			2.1			6.7					
					M	0.63	86	28.90	28.89	33.24	33.21	8.10	8.11	102.1	104.4	6.54	6.69		4.0	0.4		0.4	0.4		2.0		
						0.26	124	28.88		33.18		8.11		106.6		6.84			0.4			1.8					
					B	0.72	137	27.88	27.89	33.68	33.66	7.94	7.95	71.1	70.8	4.62	4.60		4.60	4.60		2.6	2.5		4.7	4.3	4.3
						0.62	41	27.90		33.64		7.95		70.4		4.58			2.4			3.8					
IM4	Fine	Calm	11:47	17.0	S	0.63	59	28.95	28.98	31.84	31.84	8.24	8.25	126.3	127.7	8.15	8.24	6.19	1.4	1.3	5.6	4.3	4.0	7.9			
						0.41	22	29.00		31.83		8.25		129.1		8.33			1.2			3.6					
					M	0.86	286	27.71	27.69	33.03	33.07	8.02	8.02	64.2	63.3	4.20	4.14		4.9	5.4		5.8	5.4		8.5		
						0.42	256	27.66		33.11		8.01		62.4		4.08			5.8			8.8					
					B	0.74	197	27.52	27.54	33.35	33.32	7.98	7.98	56.2	55.1	3.68	3.61		3.61	3.61		9.9	10.3		10.9	11.2	10.6
						0.38	119	27.55		33.29		7.98		54.0		3.54			10.6								
IM5	Fine	Calm	12:31	16.0	S	0.86	68	29.35	29.37	31.61	31.60	8.36	8.37	154.3	155.7	9.91	10.00	8.55	0.1	0.1	3.3	2.2	2.5	6.0			
						0.86	68	29.38		31.58		8.37		157.0		10.08			0.1			2.8					
					M	0.68	47	28.52	28.41	32.39	32.40	8.23	8.21	114.7	109.5	7.43	7.11		0.7	0.8		0.8	0.8		2.1		
						0.49	204	28.30		32.40		8.19		104.2		6.78			0.8			2.6					
					B	1.00	62	27.37	27.37	33.46	33.46	8.04	8.04	61.9	60.8	4.06	3.99		3.99	3.99		8.8	9.2		13.6	13.3	12.9
						0.28	207	27.36		33.46		8.04		59.6		3.91			9.5								
IM6	Fine	Calm	12:15	16.0	S	0.33	129	29.37	29.36	31.55	31.55	8.36	8.37	157.2	158.9	10.09	10.21	8.54	0.3	0.3	1.5	3.2	3.4	4.2			
						0.58	48	29.34		31.54		8.37		160.6		10.32			0.3			3.6					
					M	0.39	236	28.67	28.68	33.03	33.04	8.21	8.22	105.4	106.6	6.79	6.87		6.87	6.87		0.1	0.1		1.9		
						0.07	323	28.68		33.04		8.22		107.7		6.94			0.1			2.0					
					B	0.33	199	26.17	26.18	34.34	34.34	7.98	7.98	51.5	50.5	3.43	3.36		3.36	3.36		4.2	4.2		7.2	7.3	7.3
						0.33	199	26.18		34.34		7.98		49.4		3.29			4.2								

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: 2021/09/08

Tide: Mid-Flood

Monitoring Station	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)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
F2	Fine	Calm	19:43	19.0	S	0.47	110	28.83	28.91	31.56	31.56	8.43	8.45	149.7	153.8	9.70	9.95	8.32	1.6	1.5	3.1	4.5	4.7	6.2	
						0.67	262	28.98	28.91	31.55	31.56	8.46	8.45	157.8	153.8	10.20	9.95	1.6	1.5	4.8					
					M	0.87	218	28.47	28.47	32.89	32.89	8.30	8.30	102.6	103.3	6.64	6.68	1.6	1.6	3.0					
						0.89	324	28.47	28.47	32.89	32.89	8.30	8.30	103.9	103.3	6.72	6.68	1.5	1.6	3.1					
					B	0.28	193	25.25	25.25	34.54	34.54	8.03	8.03	41.4	41.4	2.80	2.80	2.80	2.80	6.1		6.1			10.2
						0.28	193	25.25	25.25	34.54	34.54	8.03	8.03	41.4	41.4	2.80	2.80	2.80	2.80	6.1		6.1			11.5
F3	Fine	Calm	18:58	17.0	S	0.57	32	29.58	29.58	31.66	31.67	8.40	8.40	133.6	133.9	8.54	8.56	7.94	0.7	0.7	4.1	2.8	2.7	7.1	
						0.57	32	29.57	29.58	31.67	31.67	8.40	8.40	134.1	133.9	8.58	8.56	0.7	0.7	2.6					
					M	1.33	341	28.66	28.66	32.06	32.06	8.33	8.34	112.2	113.1	7.27	7.33	7.38	7.33	1.3		1.3			4.5
						1.33	341	28.66	28.66	32.06	32.06	8.34	8.34	113.9	113.1	7.38	7.33	1.2	1.3	3.7					
					B	1.10	282	26.43	26.43	34.16	34.16	8.09	8.09	52.0	51.1	3.45	3.39	3.39	3.39	10.4		10.3			13.9
						1.10	282	26.43	26.43	34.16	34.16	8.09	8.09	50.2	51.1	3.33	3.39	3.39	3.39	10.1		10.3			14.8
IM3	Fine	Calm	17:41	14.0	S	0.80	278	29.36	29.34	31.48	31.49	8.44	8.44	179.4	179.8	11.53	11.56	8.81	2.3	2.3	2.4	6.6	6.9	5.6	
						0.26	122	29.32	29.34	31.49	31.49	8.43	8.44	180.1	179.8	11.58	11.56	2.2	2.3	7.2					
					M	0.23	256	28.32	28.31	33.01	33.06	8.13	8.14	94.5	93.6	6.12	6.06	6.06	6.06	1.7		1.6			4.6
						0.76	232	28.29	28.31	33.10	33.06	8.14	8.14	92.6	93.6	6.00	6.06	1.5	1.6	5.1					
					B	0.36	271	27.90	27.91	33.59	33.58	8.00	8.01	72.4	71.7	4.71	4.67	4.67	4.67	3.1		3.2			5.0
						0.36	271	27.91	27.91	33.56	33.58	8.01	8.01	71.0	71.7	4.62	4.67	4.67	4.67	3.3		3.2			4.8
IM4	Fine	Calm	18:06	16.0	S	0.59	311	29.52	29.64	31.87	31.84	8.43	8.44	151.4	155.7	9.68	9.94	7.83	1.0	1.0	4.9	4.7	5.1	9.6	
						0.68	236	29.76	29.64	31.80	31.84	8.45	8.44	159.9	155.7	10.19	9.94	0.9	1.0	5.5					
					M	0.39	130	28.02	28.02	32.48	32.49	8.21	8.21	87.6	87.7	5.72	5.73	5.73	5.73	3.3		3.4			9.0
						0.39	130	28.02	28.02	32.49	32.49	8.21	8.21	87.8	87.7	5.73	5.73	5.73	5.73	3.4		3.4			8.1
					B	1.30	280	27.69	27.69	33.18	33.19	8.11	8.11	59.2	58.2	3.87	3.81	3.81	3.81	9.7		10.3			14.9
						1.30	280	27.68	27.69	33.19	33.19	8.10	8.11	57.2	58.2	3.74	3.81	3.81	3.81	10.8		10.3			15.6
IM5	Fine	Calm	18:25	15.0	S	0.30	18	29.97	30.02	31.75	31.75	8.45	8.45	151.1	150.9	9.60	9.58	8.20	0.4	0.4	2.5	2.7	3.2	5.7	
						0.17	134	30.06	30.02	31.75	31.75	8.45	8.45	150.6	150.9	9.55	9.58	0.4	0.4	3.6					
					M	0.24	99	28.42	28.41	32.08	32.08	8.29	8.29	104.5	105.0	6.79	6.83	6.83	6.83	2.9		2.9			5.0
						0.05	81	28.40	28.41	32.08	32.08	8.29	8.29	105.5	105.0	6.86	6.83	6.83	6.83	2.8		2.9			6.0
					B	0.32	304	27.64	27.63	33.17	33.18	8.17	8.17	72.4	71.4	4.74	4.67	4.67	4.67	4.2		4.3			7.8
						0.46	319	27.62	27.63	33.18	33.18	8.17	8.17	70.3	71.4	4.60	4.67	4.67	4.67	4.4		4.3			8.8
IM6	Fine	Calm	18:43	15.0	S	0.22	210	29.45	29.54	31.68	31.67	8.43	8.42	147.1	144.2	9.43	9.23	9.00	0.8	0.8	3.0	3.2	3.4	5.8	
						0.44	272	29.62	29.54	31.66	31.67	8.41	8.42	141.2	144.2	9.02	9.23	0.7	0.8	3.5					
					M	0.58	323	28.74	28.74	31.82	31.82	8.40	8.40	134.7	135.4	8.73	8.78	8.78	8.78	1.0		1.0			3.4
						0.68	325	28.74	28.74	31.82	31.82	8.40	8.40	136.1	135.4	8.82	8.78	0.9	1.0	3.6					
					B	0.39	40	27.27	27.26	33.47	33.48	8.16	8.16	67.7	67.7	4.45	4.45	4.45	4.45	7.2		7.2			10.7
						0.39	40	27.25	27.26	33.48	33.48	8.16	8.16	67.7	67.7	4.45	4.45	4.45	4.45	7.2		7.2			10.2

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: 2021/09/08

Tide: Mid-Ebb

Monitoring Station	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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
E7A	Fine	Calm	11:50	6.4	S	0.76	109	29.05	29.03	27.77	27.80	7.86	7.86	79.1	79.1	5.21	5.21	5.23	4.3	4.3	6.4	5.9	8.4	
						0.37	240	29.01	27.82	27.80	7.86	7.86	79.0	79.1	5.21	5.21	4.3		4.3					
					M	0.27	191	28.66	28.67	28.09	28.09	7.90	7.90	79.2	79.3	5.24	5.25	5.16	5.3	5.6	6.4	7.0		
						0.27	191	28.67	28.09	28.09	7.89	7.89	79.4	79.3	5.26	5.25	5.3		5.6					
					B	0.35	248	28.48	28.48	28.33	28.33	7.93	7.92	78.3	77.8	5.19	5.16	5.16	9.0	9.3	6.4	12.2		
						0.35	248	28.48	28.48	28.33	28.33	7.91	7.92	77.2	77.8	5.12	5.16		9.5	9.3				
IM19	Fine	Calm	12:39	18.2	S	0.64	196	29.48	29.48	27.78	27.78	7.88	7.88	81.0	81.0	5.30	5.30	5.15	8.2	8.3	10.2	11.0		
						0.76	223	29.47	27.77	27.78	7.88	7.88	81.0	81.0	5.30	5.30	8.3		8.3					
					M	0.39	147	28.52	28.54	29.80	29.81	7.95	7.95	75.9	76.2	4.99	5.01	4.59	11.0	11.2	10.2	13.2		
						0.21	139	28.55	28.54	29.81	29.81	7.95	7.95	76.4	76.2	5.02	5.01		11.4	11.2				
					B	0.32	109	27.59	27.59	30.57	30.57	7.90	7.91	69.3	69.0	4.61	4.59	4.59	11.1	11.0	10.2	14.1		
						0.32	109	27.59	27.59	30.57	30.57	7.91	7.91	68.7	69.0	4.57	4.59		10.9	11.0				
IM20A	Fine	Calm	12:07	7.3	S	0.44	238	29.35	29.36	27.20	27.22	7.84	7.84	79.9	79.9	5.26	5.26	5.22	4.4	4.5	6.2	6.7		
						0.21	350	29.36	27.24	27.22	7.84	7.84	79.9	79.9	5.25	5.26	4.6		4.5					
					M	0.51	287	29.17	29.20	27.45	27.42	7.83	7.83	78.7	78.8	5.19	5.19	5.14	5.2	5.0	6.2	7.0		
						0.51	287	29.22	29.20	27.38	27.42	7.83	7.83	78.8	78.8	5.19	5.19		4.8	5.0				
					B	0.24	176	28.88	28.86	27.64	27.65	7.83	7.84	78.0	77.7	5.16	5.14	5.14	8.6	9.2	6.2	10.7		
						0.18	165	28.84	28.86	27.66	27.65	7.84	7.84	77.3	77.7	5.12	5.14		9.7	9.2				
IM21A	Fine	Calm	12:16	7.4	S	0.64	212	28.99	28.99	27.47	27.47	7.85	7.85	76.2	76.2	5.04	5.04	5.05	11.6	11.5	12.4	13.5		
						0.40	196	28.99	28.99	27.47	27.47	7.85	7.85	76.2	76.2	5.04	5.04		11.4	11.5				
					M	0.63	261	28.92	28.92	27.58	27.59	7.85	7.85	76.5	76.5	5.06	5.06	5.11	11.8	12.2	12.4	18.4		
						0.24	261	28.92	28.92	27.59	27.59	7.85	7.85	76.4	76.5	5.05	5.06		12.6	12.2				
					B	0.21	228	28.89	28.88	27.62	27.64	7.84	7.85	77.8	77.3	5.15	5.11	5.11	13.5	13.5	12.4	18.7		
						0.33	154	28.87	28.88	27.65	27.64	7.85	7.85	76.7	77.3	5.07	5.11		13.5	13.5				
IM22A	Fine	Calm	12:24	5.3	S	0.10	233	30.41	30.42	27.74	27.74	7.87	7.87	84.7	84.8	5.46	5.47	5.47	9.4	9.3	10.8	12.9		
						0.38	71	30.42	30.42	27.74	27.74	7.87	7.87	84.9	84.8	5.47	5.47		9.1	9.3				
					B	0.20	172	30.05	30.04	27.74	27.75	7.85	7.86	81.2	81.0	5.27	5.26	5.26	12.5	12.4	10.8	17.4		
						0.71	327	30.03	30.04	27.75	27.75	7.86	7.86	80.8	81.0	5.24	5.26		12.2	12.4				

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2021/09/08

Tide: Mid-Flood

Monitoring Station	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)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
F6	Fine	Calm	05:40	13.2	S	0.08	3	28.79	28.80	27.24	27.24	7.66	7.66	80.5	80.6	5.34	5.35	5.24	5.0	5.0	7.1	7.3	6.9	8.9	
						0.04	108	28.81	28.81	27.23	27.24	7.66	7.66	80.7	80.7	5.36	5.35		5.0	5.0		6.4			
						0.11	284	28.36	28.36	28.53	28.54	7.70	7.70	77.2	77.2	5.12	5.12		6.4	6.3		7.9			
					M	0.22	296	28.35	28.35	28.55	28.54	7.70	7.70	77.2	77.2	5.12	5.12	5.12	5.12	6.2	6.3	7.0	7.5		
						B	0.10	243	28.40	28.40	28.75	28.74	7.70	7.70	78.1	77.8	5.17	5.15	5.15	5.15	9.7	9.9	12.5		12.3
							0.10	243	28.40	28.40	28.73	28.74	7.70	7.70	77.4	77.8	5.13	5.15	5.15	5.15	10.0	9.9	12.0		12.3
IM19	Fine	Calm	06:16	17.4	S	0.51	4	28.82	28.81	25.86	25.85	7.71	7.71	77.2	77.3	5.16	5.17	5.11	5.1	4.9	24.7	7.7	8.2	41.6	
						0.18	260	28.79	28.79	25.83	25.85	7.70	7.71	77.4	77.3	5.18	5.17		4.7	4.9		8.6			
						0.63	355	28.25	28.26	28.62	28.61	7.77	7.77	76.0	76.1	5.05	5.06		8.5	8.3		12.8			
					M	0.75	347	28.26	28.26	28.60	28.61	7.77	7.77	76.1	76.1	5.06	5.06	8.1	8.3	11.2	12.0				
						B	0.70	337	27.72	27.72	29.97	29.97	7.77	7.77	71.3	71.3	4.75	4.75	61.5	61.0	99.4	104.7			
							0.74	344	27.71	27.71	29.97	29.97	7.77	7.77	71.2	71.2	4.74	4.75	60.5	61.0	110	104.7			
IM20A	Fine	Calm	06:57	6.2	S	0.92	48	28.59	28.58	25.44	25.37	7.71	7.72	76.7	76.9	5.16	5.18	5.10	5.1	4.7	16.5	4.7	5.1	18.9	
						0.92	48	28.56	28.58	25.30	25.37	7.72	7.72	77.0	76.9	5.19	5.18		4.2	4.7		5.4			
						0.64	44	28.85	28.85	27.13	27.13	7.69	7.69	75.6	75.6	5.02	5.02		15.9	16.0		14.9			
					M	0.83	35	28.85	28.85	27.13	27.13	7.69	7.69	75.5	75.5	5.01	5.02	16.0	16.0	15.8	15.4				
						B	0.48	51	28.81	28.82	27.32	27.31	7.70	7.70	76.0	75.8	5.04	5.03	5.03	5.03	29.0	29.0	35.5		36.4
							0.48	51	28.82	28.82	27.30	27.31	7.70	7.70	75.6	75.6	5.01	5.03	5.03	5.03	28.9	29.0	37.3		36.4
IM21A	Fine	Calm	06:48	6.4	S	0.65	37	28.70	28.72	25.62	25.69	7.70	7.70	77.6	77.6	5.21	5.21	5.14	4.8	4.8	8.4	5.5	5.0	9.0	
						0.65	37	28.73	28.73	25.75	25.69	7.70	7.70	77.6	77.6	5.20	5.21		4.7	4.8		4.5			
						0.57	333	28.95	28.95	26.46	26.51	7.68	7.68	76.4	76.4	5.08	5.08		7.8	8.0		9.4			
					M	0.67	12	28.95	28.95	26.56	26.51	7.68	7.68	76.3	76.3	5.07	5.08	8.1	8.0	8.1	8.8				
						B	0.50	17	28.96	28.96	26.85	26.85	7.68	7.68	76.5	76.3	5.08	5.06	5.06	5.06	11.8	12.4	13.9		13.3
							0.40	10	28.96	28.96	26.84	26.85	7.68	7.68	76.0	76.3	5.04	5.06	5.06	5.06	12.9	12.4	12.7		13.3
IM22A	Fine	Calm	06:34	4.1	S	0.28	70	29.01	29.01	25.91	25.88	7.68	7.68	78.2	78.2	5.21	5.21	5.21	5.21	5.8	5.6	7.5	6.1	6.7	8.5
						0.60	43	29.01	29.01	25.84	25.88	7.68	7.68	78.1	78.1	5.21	5.21	5.21	5.21	5.4	5.6		7.3		
					B	0.32	271	29.05	29.02	26.66	26.78	7.68	7.69	79.5	78.9	5.27	5.23	5.23	5.23	8.6	9.3	10.4	10.2		
						0.32	271	28.98	28.98	26.90	26.78	7.69	7.69	78.3	78.3	5.19	5.23	5.23	5.23	10.0	9.3	10.0	10.2		

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: 2021/09/13

Tide: Mid-Ebb

Monitoring Station	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)			Suspended Solids (mg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
E2	Fine	Calm	17:06	9.0	S	0.72	44	29.99	29.98	31.82	31.83	8.10	8.11	101.3	101.1	6.43	6.42	6.63	2.5	2.5	3.3	3.0	3.2	4.4		
						0.72	44	29.97		31.83		8.11		100.9		6.41			2.4			3.0				
					M	0.47	337	29.39	29.36	32.10	32.13	8.12	8.12	106.1	106.9	6.79	6.84	2.4	2.4	3.7		3.4				
						0.33	279	29.32		32.15		8.12		107.6		6.89		2.4		3.4						
					B	0.33	24	28.63	28.70	32.89	32.81	8.01	8.03	64.1	67.2	4.13	4.33	4.33	4.33	5.5		5.1	6.3		6.6	
						0.99	197	28.77		32.72		8.04		70.3		4.53		4.7		6.9						
IM3	Fine	Calm	15:34	15.0	S	0.60	81	29.10	29.07	31.43	31.43	7.97	7.97	97.5	97.9	6.29	6.32	4.89	1.9	1.9	6.0	2.8	3.1	6.5		
						0.65	176	29.04		31.42		7.97		98.2		6.34			1.8			3.4				
					M	0.17	56	28.00	28.00	33.31	33.31	7.86	7.87	53.2	53.4	3.46	3.47		4.2	4.3		3.7	3.7			
						0.17	56	28.00		33.30		7.87		53.5		3.48			4.3			3.7				
					B	0.69	321	27.18	27.18	34.50	34.50	7.80	7.81	42.5	42.1	2.78	2.75		2.75	2.75		11.7	11.9		12.0	12.6
						0.89	108	27.17		34.49		7.81		41.6		2.72			12.1			13.2				
IM4	Fine	Calm	15:58	16.0	S	0.21	326	29.88	29.89	31.79	31.79	8.18	8.18	133.0	133.7	8.46	8.50	6.81	1.5	1.5	4.5	3.4	3.8	7.0		
						0.45	73	29.89		31.79		8.18		134.3		8.54			1.4			4.1				
					M	0.84	17	28.75	28.78	32.89	32.85	8.05	8.05	78.6	79.7	5.06	5.13		1.5	1.4		2.0	2.4			
						0.51	166	28.80		32.81		8.05		80.7		5.19			1.3			2.7				
					B	0.45	236	27.91	27.91	34.10	34.10	8.00	8.00	62.1	61.8	4.03	4.01		4.01	4.01		11.1	10.8		15.2	14.8
						0.60	96	27.91		34.10		8.00		61.5		3.99			10.4			14.4				
IM5	Fine	Calm	16:40	15.0	S	0.34	291	30.03	29.93	31.64	31.67	8.12	8.12	102.6	101.4	6.51	6.45	6.00	1.9	1.9	5.0	1.8	2.2	4.5		
						0.59	69	29.82		31.69		8.11		100.1		6.38			1.9			2.5				
					M	0.69	131	28.66	28.66	33.27	33.26	8.09	8.09	86.2	86.4	5.55	5.56		1.5	1.5		3.0	3.4			
						0.70	218	28.66		33.25		8.09		86.6		5.57			1.4			3.7				
					B	0.44	237	27.74	27.74	34.32	34.33	8.05	8.05	72.4	71.3	4.70	4.63		4.63	4.63		10.7	11.5		7.7	8.1
						0.41	73	27.73		34.33		8.04		70.2		4.56			12.3			8.4				
IM6	Fine	Calm	16:23	16.0	S	0.67	69	29.22	29.24	32.26	32.24	8.12	8.12	97.7	97.9	6.26	6.28	6.11	0.8	0.9	3.3	1.3	1.4	4.7		
						0.91	235	29.26		32.22		8.12		98.1		6.29			0.9			1.5				
					M	0.75	128	28.86	28.86	33.58	33.63	8.12	8.12	93.0	93.0	5.95	5.95		0.3	0.3		1.8	1.5			
						0.65	242	28.85		33.68		8.12		93.0		5.95			0.3			1.2				
					B	1.37	305	27.37	27.37	34.50	34.50	8.05	8.05	72.6	72.0	4.74	4.70		4.70	4.70		8.5	8.8		8.0	11.2
						1.37	355	27.37		34.50		8.05		71.3		4.65			9.1			14.3				

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: 2021/09/13

Tide: Mid-Flood

Monitoring Station	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)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
F2	Fine	Calm	09:57	19.0	S	0.85	221	29.37	29.37	32.33	32.33	8.14	8.14	101.7	101.9	6.50	6.51	6.12	0.3	0.3	1.9	3.0	2.7	4.8	
						0.46	222	29.36	29.37	32.32	32.33	8.14	8.14	102.0	101.9	6.52	6.51	6.12	0.3	0.3	1.9	2.4	2.7		
					M	0.50	286	28.83	28.85	33.45	33.44	8.13	8.14	89.0	89.5	5.70	5.74	5.72	0.2	0.2	4.6	2.6	3.1		7.0
						0.28	253	28.86	28.72	33.43	34.07	8.14	8.18	90.0	89.3	5.77	5.72	5.72	0.2	0.4	4.6	3.5	3.1		
					B	0.26	312	26.96	26.98	34.88	34.87	7.98	7.99	59.7	59.5	3.91	3.90	3.90	5.1	5.2	4.78	8.8	8.5		6.1
						0.26	312	27.00	27.06	34.86	34.79	7.99	8.12	59.3	59.5	3.89	4.78	4.78	5.3	5.2	4.78	8.2	14.9		
F3	Fine	Calm	11:31	17.0	S	0.92	99	29.61	29.65	31.23	31.22	8.14	8.14	88.1	88.2	5.64	5.65	5.68	1.7	1.7	4.6	2.8	3.1	7.0	
						0.64	260	29.69	29.65	31.20	34.07	8.14	8.18	88.3	89.3	5.65	5.72	5.72	1.7	1.7	4.6	3.3	3.1		
					M	0.51	192	28.71	28.72	34.08	34.07	8.18	8.18	89.3	89.3	5.72	5.72	5.72	0.4	0.4	4.6	2.7	3.1		6.1
						0.54	356	28.72	27.06	34.06	34.79	8.18	8.12	89.2	89.3	5.71	4.78	4.78	0.4	11.2	4.6	3.5	3.9		
					B	0.23	352	27.06	27.06	34.79	34.79	8.12	8.12	73.1	72.9	4.79	4.78	4.78	11.2	11.6	4.6	15.7	14.9		10.6
						0.83	258	27.06	28.74	34.79	31.50	8.12	8.04	72.6	84.6	4.76	5.49	5.31	11.9	1.8	4.6	14.1	3.9		
IM3	Fine	Calm	10:24	14.0	S	0.85	279	28.75	28.74	31.50	31.50	8.04	8.04	84.9	84.6	5.51	5.49	5.31	1.7	1.8	3.7	3.5	3.9	6.1	
						0.85	279	28.73	28.74	31.50	31.50	8.04	8.04	84.2	84.6	5.46	5.49	5.31	1.9	1.8	3.7	4.2	3.9		
					M	0.35	309	28.74	28.75	32.16	32.16	8.06	8.06	79.1	79.4	5.11	5.13	5.13	1.9	1.9	3.7	3.6	3.9		10.6
						0.23	134	28.75	27.73	32.16	34.45	8.06	8.07	79.7	60.3	5.15	3.91	3.91	1.8	7.4	3.7	4.2	10.6		
					B	0.71	90	27.73	27.73	34.45	34.45	8.07	8.07	60.6	60.3	3.93	3.91	3.91	7.2	7.4	3.7	11.1	10.6		10.6
						0.71	90	27.73	27.87	34.45	34.34	8.07	8.10	60.0	66.3	3.89	4.30	4.30	7.5	7.4	3.7	10.0	21.1		
IM4	Fine	Calm	10:48	16.0	S	0.98	191	29.67	29.49	32.63	32.70	8.14	8.14	88.8	87.0	5.64	5.54	4.74	1.0	1.1	6.4	3.2	3.8	10.6	
						0.94	175	29.30	29.49	32.76	33.65	8.13	8.08	85.1	61.1	5.43	3.95	4.74	1.1	4.5	6.4	4.3	3.8		
					M	0.42	157	28.18	28.21	33.71	33.65	8.08	8.08	61.5	61.1	3.98	3.95	3.95	4.6	4.5	6.4	6.4	6.8		10.6
						0.22	226	28.23	27.87	33.59	34.34	8.07	8.10	60.6	66.3	3.92	4.30	4.30	4.4	13.7	7.2	22.1	21.1		
					B	0.52	161	27.87	27.87	34.34	34.34	8.10	8.10	66.5	66.3	4.31	4.30	4.30	13.3	13.7	6.4	22.1	21.1		10.3
						0.52	161	27.87	29.16	34.34	31.85	31.85	8.13	8.13	81.8	81.9	5.26	5.27	4.62	2.3	2.2	5.6	4.7		
IM5	Fine	Calm	11:10	15.0	S	0.46	294	29.17	29.16	31.84	31.85	8.13	8.13	81.8	81.9	5.26	5.27	4.62	2.3	2.2	5.6	3.7	4.2	10.3	
						0.64	352	29.15	29.16	31.84	31.85	8.13	8.13	81.9	81.9	5.27	5.27	4.62	2.1	2.2	5.6	4.7	4.2		
					M	0.57	80	28.36	28.41	33.31	33.27	8.07	8.07	59.9	61.7	3.87	3.98	3.98	3.8	3.6	5.6	5.5	6.0		10.3
						0.19	285	28.45	28.05	33.22	34.02	8.07	8.12	63.4	68.8	4.09	4.45	4.45	3.3	11.0	5.6	6.4	20.7		
					B	0.70	261	28.04	28.05	34.02	34.02	8.12	8.12	69.2	68.8	4.48	4.45	4.45	11.4	11.0	5.6	21.0	20.7		10.3
						0.70	261	28.05	27.95	34.01	34.42	8.11	8.15	68.3	78.6	4.42	5.09	5.09	10.6	7.7	5.6	20.3	12.1		
IM6	Fine	Calm	11:44	15.0	S	0.72	246	29.33	29.34	31.48	31.48	8.14	8.14	88.0	88.0	5.66	5.66	5.64	1.9	1.9	3.7	2.0	1.9	5.4	
						0.37	170	29.34	29.34	31.48	32.63	8.14	8.17	87.9	87.6	5.65	5.63	5.64	1.9	1.5	3.7	1.8	1.9		
					M	0.77	99	28.93	28.93	32.59	32.63	8.16	8.17	87.3	87.6	5.61	5.63	5.63	1.5	1.5	3.7	2.0	2.2		10.3
						0.64	232	28.93	27.95	32.67	34.42	8.17	8.15	87.9	78.6	5.65	5.09	5.09	1.4	7.7	3.7	2.4	2.2		
					B	0.86	230	27.95	27.95	34.42	34.42	8.15	8.15	78.7	78.6	5.09	5.09	5.09	7.8	7.7	3.7	12.4	12.1		10.3
						0.86	230	27.95	27.95	34.42	34.42	8.15	8.15	78.5	78.6	5.08	5.08	5.08	7.6	7.7	3.7	11.7	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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2021/09/17

Tide: Mid-Ebb

Monitoring Station	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)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
E2	Fine	Calm	08:05	9.0	S	0.33	252	28.68	28.67	31.45	31.41	7.93	7.94	92.9	93.9	6.04	6.11	5.95	0.9	0.9	3.4	5.2	5.3	7.1	
						0.55	163	28.66	31.37	7.94	94.9	6.17	6.11	0.8											
						0.31	335	28.71	31.57	7.90	88.5	5.74	5.79	1.1											
					M	0.73	29	28.70	31.56	7.91	89.9	5.84	5.79	1.2	2.86	2.86	2.86	8.1	3.4	1.2	8.1	3.4	5.2	5.3	7.1
						0.76	26	27.45	33.80	7.76	44.8	2.93	2.86	7.9											
						0.76	26	27.47	33.74	7.76	42.7	2.79	2.86	8.2											
IM3	Fine	Calm	09:39	15.0	S	0.63	78	28.68	28.68	31.01	31.01	7.99	8.00	93.3	93.7	6.08	6.11	4.29	0.3	0.3	2.4	3.2	3.3	4.7	
						0.45	153	28.68	31.01	8.00	94.1	6.13	6.11	0.3											
						0.46	307	26.53	34.05	7.85	37.5	2.49	2.47	2.2											
					M	0.18	240	26.53	34.05	7.85	36.8	2.44	2.47	2.7	1.60	1.60	1.60	4.4	2.4	2.5	2.4	2.4	4.4	4.6	4.7
						0.08	4	24.91	34.46	7.77	24.3	1.65	1.60	4.3											
						0.47	350	24.91	34.46	7.77	22.7	1.54	1.60	4.4											
IM4	Fine	Calm	09:14	17.0	S	0.72	159	28.65	28.66	30.85	30.85	8.02	8.03	100.4	101.1	6.55	6.59	4.11	0.3	0.2	5.7	2.1	2.3	8.3	
						0.77	272	28.66	30.84	8.03	101.7	6.63	6.59	0.1											
						0.93	67	26.75	33.93	7.79	24.2	1.60	1.64	4.7											
					M	1.07	100	26.78	33.91	7.79	25.3	1.67	1.64	4.1	1.55	1.55	1.55	12.6	4.11	4.4	5.7	5.7	6.3	6.6	8.3
						1.12	114	25.50	34.34	7.77	23.5	1.58	1.55	12.5											
						1.12	114	25.49	34.34	7.77	22.6	1.52	1.55	12.6											
IM5	Fine	Calm	08:29	15.0	S	0.81	11	28.97	28.97	31.07	31.07	8.12	8.12	119.6	121.0	7.75	7.84	6.14	0.1	0.1	2.0	3.8	3.9	4.5	
						0.80	134	28.97	31.06	8.12	122.3	7.93	7.84	0.1											
						0.69	154	27.47	33.76	7.97	68.7	4.50	4.43	0.2											
					M	0.85	24	27.38	33.80	7.97	66.5	4.36	4.43	0.1	2.46	2.46	2.46	5.7	6.14	0.2	2.0	2.0	1.6	1.9	4.5
						0.73	14	25.28	34.38	7.80	37.9	2.56	2.46	5.2											
						0.73	14	25.26	34.39	7.79	34.7	2.35	2.46	6.2											
IM6	Fine	Calm	08:49	16.0	S	0.73	194	29.15	29.16	31.17	31.17	8.11	8.11	102.5	102.7	6.62	6.63	5.34	0.0	0.0	1.3	1.7	1.8	3.2	
						0.18	237	29.16	31.17	8.11	102.9	6.64	6.63	0.0											
						0.88	36	27.15	33.90	7.96	62.7	4.12	4.05	0.2											
					M	0.31	301	26.70	33.96	7.94	60.0	3.97	4.05	0.2	2.44	2.44	2.44	3.8	5.34	0.2	0.2	1.3	1.5	1.7	3.2
						1.43	351	24.53	34.50	7.81	36.2	2.48	2.44	4.1											
						1.43	351	24.57	34.49	7.81	35.0	2.39	2.44	3.4											

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: 2021/09/17

Tide: Mid-Flood

Monitoring Station	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)			Suspended Solids (mg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		
F2	Fine	Calm	17:21	19.0	S	0.73	303	29.48	29.49	30.81	30.81	8.07	8.07	116.1	116.7	7.47	7.51	5.44	0.6	0.7	3.9	2.9	2.7	4.5		
						0.73	303	29.50	29.49	30.81	30.81	8.07	8.07	117.3	116.7	7.55	7.51	5.44	0.6	0.7	3.9	2.5	2.7			
					M	0.17	202	26.98	26.99	33.71	33.70	7.93	7.94	50.4	50.9	3.33	3.36	2.16	2.16	2.16	1.7	1.7	3.9		1.5	2.0
						0.24	21	27.00	26.99	33.69	33.69	7.94	7.94	51.4	50.9	3.39	3.36	2.16	2.16	2.16	1.6	1.7	3.9		2.4	2.0
					B	0.56	333	23.36	23.36	34.59	34.59	7.82	7.82	31.7	30.9	2.21	2.16	2.16	2.16	2.16	9.1	9.4	3.9		8.7	9.0
						0.56	333	23.36	23.36	34.59	34.59	7.82	7.82	30.1	30.9	2.10	2.16	2.16	2.16	2.16	9.7	9.4	3.9		9.2	9.0
F3	Fine	Calm	16:39	17.0	S	0.21	58	29.68	29.69	30.83	30.83	8.34	8.34	181.2	181.8	11.62	11.66	8.23	0.2	0.2	2.7	2.6	3.1	4.5		
						0.21	58	29.70	29.69	30.83	30.83	8.34	8.34	182.4	181.8	11.70	11.66	8.23	0.2	0.2	2.7	3.5	3.1			
					M	0.17	118	28.16	28.14	32.67	32.73	8.03	8.03	74.0	73.8	4.82	4.81	2.35	2.35	2.35	0.3	0.3	2.7		1.4	1.6
						0.59	273	28.11	28.14	32.79	32.73	8.03	8.03	73.6	73.8	4.79	4.81	2.35	2.35	2.35	0.3	0.3	2.7		1.7	1.6
					B	1.07	20	24.47	24.47	34.44	34.44	7.84	7.84	35.3	34.2	2.42	2.35	2.35	2.35	2.35	7.5	7.6	2.7		9.4	9.0
						0.79	52	24.47	24.47	34.43	34.44	7.83	7.84	33.1	34.2	2.27	2.35	2.35	2.35	2.35	7.6	7.6	2.7		8.6	9.0
IM3	Fine	Calm	15:27	15.0	S	0.97	356	29.72	29.79	30.90	30.89	8.17	8.19	149.4	153.7	9.57	9.84	8.00	1.3	1.2	1.6	4.4	4.7	4.4		
						0.87	310	29.86	29.79	30.87	30.89	8.20	8.19	158.0	153.7	10.10	9.84	8.00	1.1	1.2	1.6	5.0	4.7			
					M	0.72	41	28.74	28.75	31.67	31.65	8.00	8.00	94.4	95.1	6.12	6.17	6.17	6.17	6.17	0.6	0.6	1.6		3.2	3.3
						0.43	328	28.76	28.75	31.63	31.65	8.00	8.00	95.8	95.1	6.21	6.17	6.17	6.17	6.17	0.6	0.6	1.6		3.4	3.3
					B	1.36	188	25.17	25.21	34.44	34.42	7.71	7.72	25.7	24.3	1.74	1.65	1.65	1.65	1.65	3.1	3.1	1.6		5.2	5.1
						1.36	188	25.24	25.21	34.40	34.42	7.73	7.72	22.9	24.3	1.55	1.65	1.65	1.65	1.65	3.1	3.1	1.6		4.9	5.1
IM4	Fine	Calm	15:48	16.0	S	0.41	233	29.68	29.72	31.21	31.20	8.19	8.20	143.2	144.9	9.17	9.27	7.53	0.6	0.6	3.7	3.9	4.1	5.5		
						0.26	229	29.76	29.72	31.18	31.20	8.20	8.20	146.6	144.9	9.37	9.27	7.53	0.5	0.6	3.7	4.3	4.1			
					M	0.40	59	28.60	28.66	32.23	32.19	8.04	8.05	86.5	89.3	5.60	5.78	5.78	5.78	5.78	1.2	1.2	3.7		4.0	4.3
						0.67	249	28.72	28.66	32.14	32.19	8.05	8.05	92.1	89.3	5.96	5.78	5.78	5.78	5.78	1.2	1.2	3.7		4.5	4.3
					B	0.77	265	25.55	25.54	34.24	34.24	7.83	7.83	33.0	31.8	2.22	2.14	2.14	2.14	2.14	9.2	9.3	3.7		7.5	8.0
						0.77	265	25.53	25.54	34.24	34.24	7.83	7.83	30.5	31.8	2.06	2.14	2.14	2.14	2.14	9.4	9.3	3.7		8.5	8.0
IM5	Fine	Calm	16:08	15.0	S	0.63	185	29.32	29.34	31.51	31.51	8.17	8.18	127.6	129.7	8.20	8.33	6.98	0.6	0.6	1.6	3.6	4.0	4.4		
						0.84	271	29.35	29.34	31.50	31.51	8.18	8.18	131.7	129.7	8.46	8.33	6.98	0.5	0.6	1.6	4.3	4.0			
					M	0.38	196	28.43	28.41	32.36	32.39	8.04	8.04	86.7	86.8	5.63	5.64	5.64	5.64	5.64	1.0	1.0	1.6		4.6	4.6
						0.69	265	28.38	28.41	32.42	32.39	8.04	8.04	86.9	86.8	5.64	5.64	5.64	5.64	5.64	1.0	1.0	1.6		4.5	4.6
					B	0.77	308	25.89	25.87	34.12	34.13	7.91	7.91	47.1	46.6	3.16	3.13	3.13	3.13	3.13	2.9	3.1	1.6		5.0	4.6
						0.44	307	25.84	25.87	34.13	34.13	7.91	7.91	46.0	46.6	3.09	3.13	3.13	3.13	3.13	3.3	3.1	1.6		4.2	4.6
IM6	Fine	Calm	16:25	15.0	S	0.75	246	29.65	29.71	31.08	31.07	8.27	8.27	158.4	158.7	10.15	10.16	7.73	0.3	0.3	1.9	4.0	3.6	4.4		
						0.72	302	29.76	29.71	31.06	31.07	8.27	8.27	159.0	158.7	10.17	10.16	7.73	0.3	0.3	1.9	3.2	3.6			
					M	0.50	332	28.74	28.76	32.04	32.03	8.05	8.05	81.4	81.9	5.27	5.30	5.30	5.30	5.30	0.3	0.3	1.9		1.7	1.9
						0.50	332	28.78	28.76	32.01	32.03	8.05	8.05	82.3	81.9	5.32	5.30	5.30	5.30	5.30	0.3	0.3	1.9		2.0	1.9
					B	0.68	317	25.43	25.44	34.21	34.21	7.89	7.89	42.2	41.9	2.85	2.83	2.83	2.83	2.83	5.1	5.1	1.9		7.5	7.9
						0.68	317	25.44	25.44	34.20	34.21	7.88	7.89	41.5	41.9	2.80	2.83	2.83	2.83	2.83	5.1	5.1	1.9		8.2	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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2021/09/20

Tide: Mid-Ebb

Monitoring Station	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)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
E5	Fine	Calm	11:56	6.5	S	0.39	230	28.83	28.82	30.24	30.23	7.98	7.98	83.1	82.9	5.42	5.41	5.43	6.0	5.9	8.1	6.9	6.7	6.2	
						0.36	150	28.80		30.22		7.98		82.7		5.40			5.8			6.5			
					M	0.08	118	28.47	28.47	30.60	30.61	7.98	7.99	83.1	83.1	5.44	5.44	5.6	5.7	6.3	6.5	6.6			
						0.50	162	28.46		30.61		7.99		83.0		5.44		5.7		6.6					
					B	0.08	84	28.37	28.37	30.82	30.82	7.93	7.94	77.4	77.1	5.07	5.05	5.05	5.05	11.9	12.6	5.8	5.5		5.1
						0.34	195	28.37		30.82		7.94		76.7		5.03		13.3		5.5					
IM15	Fine	Calm	12:14	9.5	S	0.69	197	28.75	28.92	30.40	30.33	8.01	8.01	86.2	86.3	5.63	5.62	5.36	4.5	4.4	8.5	4.0	3.7	10.2	
						0.69	197	29.08		30.25		8.01		86.3		5.61			4.3			3.4			
					M	0.32	240	28.42	28.43	30.68	30.68	7.99	7.99	77.7	77.9	5.09	5.10	9.5	8.9	11.8	12.3	12.8			
						0.58	209	28.43		30.67		7.99		78.0		5.11		8.3		12.8					
					B	0.38	180	28.41	28.41	30.69	30.69	7.98	7.98	77.2	77.0	5.06	5.05	5.05	5.05	11.6	12.2	14.9	14.6		14.2
						0.38	180	28.40		30.69		7.98		76.7		5.03		12.8		14.2					

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: 2021/09/20

Tide: Mid-Flood

Monitoring Station	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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
F5	Fine	Calm	17:23	5.0	S	0.33	29	29.28	29.28	29.83	29.83	7.84	7.85	79.5	79.5	5.16	5.16	5.16	17.1	17.0	18.0	17.5	20.0	
						0.17	11	29.27		29.83		7.85		79.5		5.16								
					B	0.42	19	28.95	28.96	30.12	30.11	7.80	7.81	78.4	78.1	5.11	5.09	5.09	19.0	19.0	16.8	21.9	23.2	
						0.74	17	28.96		30.10		7.81		77.8		5.07								
IM15	Fine	Calm	18:05	8.0	S	0.78	322	29.58	29.59	28.59	28.58	7.89	7.90	80.3	80.2	5.22	5.22	5.21	12.0	12.0	15.7	15.1	13.8	
						0.56	353	29.59		28.56		7.90		80.1		5.21								
					M	0.20	38	29.42	29.46	28.99	28.89	7.90	7.90	79.9	79.8	5.20	5.20	5.20	15.2	14.7	14.2	13.8	12.9	
						0.20	38	29.50		28.78		7.90		79.7		5.19								
					B	0.55	315	29.61	29.62	28.46	28.46	7.89	7.89	83.4	81.6	5.43	5.31	5.31	14.0	14.7	15.4	12.4	12.8	
						0.24	275	29.62		28.46		7.89		79.8		5.19								

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: 2021/09/21

Tide: Mid-Ebb

Monitoring Station	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)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
E2	Fine	Calm	12:03	9.0	S	0.47	141	30.56	30.61	30.79	30.79	8.29	8.29	139.1	139.5	8.80	8.82	8.18	0.1	0.1	1.9	< 1.0	0.5	3.1	
						0.47	141	30.66	30.61	30.79	30.79	8.29	8.29	139.8	139.5	8.83	8.82	8.18	0.1	0.1		< 1.0			
					M	0.42	204	29.33	29.44	31.38	31.33	8.18	8.21	110.3	117.6	7.09	7.55	6.90	6.90	2.9		2.9	4.6		4.3
						0.87	37	29.54	29.09	31.28	31.54	8.24	8.15	124.8	106.9	8.00	6.79	6.90	6.90	2.7		2.7	4.5		4.6
					B	1.06	67	29.13	29.09	31.51	31.54	8.14	8.15	105.3	106.9	6.79	6.90	6.90	6.90	2.9		2.7	4.5		4.6
						1.09	70	29.05	29.09	31.56	31.54	8.16	8.15	108.5	106.9	7.00	6.90	6.90	6.90	2.5		2.7	4.6		4.6
IM3	Fine	Calm	10:37	15.0	S	1.41	169	29.42	29.41	31.47	31.47	8.15	8.15	115.8	115.9	7.43	7.44	6.53	1.6	1.6	3.6	3.4	3.9	5.1	
						1.41	169	29.40	29.41	31.47	31.47	8.15	8.15	116.0	115.9	7.45	7.44	6.53	1.5	1.6		4.3	3.9		
					M	1.64	106	28.14	28.14	31.92	31.92	8.00	8.00	85.3	85.9	5.58	5.62	3.26	3.26	2.1		2.0	4.6		4.9
						1.60	340	28.14	28.14	31.91	31.92	8.00	8.00	86.4	85.9	5.65	5.62	3.26	3.26	1.9		2.0	5.1		4.9
					B	0.20	40	26.82	26.84	33.15	33.13	7.84	7.85	49.2	49.0	3.27	3.26	3.26	3.26	7.0		7.1	6.2		6.7
						0.20	40	26.85	26.84	33.11	33.13	7.85	7.85	48.8	49.0	3.24	3.26	3.26	3.26	7.2		7.1	7.2		6.7
IM4	Fine	Calm	11:01	17.0	S	0.90	349	28.61	28.59	31.73	31.74	8.08	8.08	97.5	97.6	6.33	6.34	5.65	2.1	2.2	3.5	3.6	3.5	5.1	
						0.90	349	28.57	28.59	31.74	31.74	8.08	8.08	97.7	97.6	6.35	6.34	5.65	2.2	2.2		3.4	3.5		
					M	0.35	311	27.78	27.79	32.04	32.04	7.97	7.97	75.2	75.5	4.94	4.96	3.71	3.71	2.5		2.5	5.5		5.4
						0.35	311	27.79	27.79	32.03	32.04	7.97	7.97	75.7	75.5	4.97	4.96	3.71	3.71	2.5		2.5	5.2		5.4
					B	0.20	119	27.54	27.57	32.56	32.54	7.92	7.92	55.4	56.3	3.65	3.71	3.71	3.71	6.1		6.0	6.2		6.4
						0.73	198	27.60	27.57	32.51	32.54	7.92	7.92	57.2	56.3	3.76	3.71	3.71	3.71	5.8		6.0	6.6		6.4
IM5	Fine	Calm	11:40	16.0	S	0.06	12	30.12	30.23	30.99	30.96	8.30	8.30	143.6	143.5	9.14	9.12	7.96	0.0	0.0	4.0	1.2	1.2	4.5	
						0.06	12	30.33	30.23	30.93	30.96	8.30	8.30	143.3	143.5	9.09	9.12	7.96	0.0	0.0		1.1	1.2		
					M	0.37	14	28.91	28.91	31.67	31.67	8.13	8.13	104.8	105.2	6.78	6.81	3.71	3.71	0.3		0.3	1.6		1.6
						0.68	57	28.91	28.91	31.67	31.67	8.13	8.13	105.6	105.2	6.83	6.81	3.71	3.71	0.3		0.3	1.5		1.6
					B	0.41	256	26.48	26.49	33.29	33.28	7.77	7.77	26.1	25.4	1.74	1.70	1.70	1.70	12.0		11.8	11.1		10.9
						0.41	256	26.49	26.49	33.27	33.28	7.77	7.77	24.7	25.4	1.65	1.70	1.70	1.70	11.5		11.8	10.6		10.9
IM6	Fine	Calm	11:25	16.0	S	0.40	63	30.02	30.01	30.91	30.92	8.26	8.26	132.9	134.1	8.47	8.55	7.26	0.1	0.1	1.4	2.1	2.3	3.7	
						0.54	359	30.00	30.01	30.93	30.92	8.26	8.26	135.3	134.1	8.63	8.55	7.26	0.1	0.1		2.5	2.3		
					M	0.47	153	28.58	28.65	31.83	31.79	8.08	8.10	87.8	92.1	5.70	5.97	2.23	2.23	0.6		0.6	2.8		3.0
						1.06	47	28.71	28.65	31.75	31.79	8.11	8.10	96.3	92.1	6.24	5.97	2.23	2.23	0.6		0.6	3.2		3.0
					B	0.15	140	25.46	25.35	33.78	33.85	7.82	7.82	33.8	32.8	2.29	2.23	2.23	2.23	3.7		3.6	5.9		5.8
						0.15	140	25.23	25.35	33.91	33.85	7.81	7.82	31.8	32.8	2.16	2.23	2.23	2.23	3.5		3.6	5.6		5.8

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2021/09/21

Tide: Mid-Flood

Monitoring Station	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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
F2	Fine	Calm	04:52	19.0	S	1.64	302	30.06	30.08	31.27	31.26	8.24	8.25	137.1	137.8	8.72	8.76	6.72	0.4	0.4	1.9	< 1.0	0.5	3.3
						1.64	302	30.09		31.25		8.25		138.5		8.80			0.4			< 1.0		
						0.75	287	27.54		32.58		7.94		70.1		4.61			2.7			4.7		
					M	0.85	92	27.56	32.56	7.94	72.0	4.74	2.5	4.2	2.6	2.8	2.7	5.4	5.0					
						1.04	322	24.40	34.38	7.67	24.5	1.68	2.8	4.2										
						1.04	322	24.39	34.37	7.68	22.7	1.56	2.6	4.5										
B	0.59	295	29.49	30.77	30.86	8.21	8.21	123.9	124.1	7.97	7.99	6.87	0.3	0.3	1.8	< 1.0	0.5	2.6						
	0.59	295	29.41	30.95		8.20		124.3		8.00			0.3			< 1.0								
	0.47	56	28.45	31.77		8.05		88.8		5.65			1.2			1.7								
M	0.47	56	28.49	31.74	31.76	8.06	8.06	90.2	88.5	5.87	5.76	6.87	1.2	1.2	1.8	1.9	1.8	2.6						
	0.75	46	25.34	33.80		7.80		30.6		2.07			3.7			5.6								
	0.75	46	25.28	33.84		7.79		28.6		1.94			4.1			5.2								
B	0.24	34	29.24	31.52	31.52	8.19	8.20	119.6	120.4	7.70	7.75	7.13	1.0	1.0	2.7	2.5	3.0	3.7						
	0.24	34	29.26	31.52		8.20		121.1		7.79			0.9			3.4								
	0.21	326	28.59	31.73		8.08		100.2		6.51			2.5			4.0								
M	0.87	256	28.59	31.73	31.73	8.08	8.08	100.2	100.2	6.51	6.51	7.13	2.5	2.5	2.7	3.7	3.9	3.7						
	0.48	61	27.51	32.30		7.95		70.8		4.67			4.5			4.6								
	1.25	258	27.58	32.22		7.96		70.1		4.62			4.5			3.9								
B	1.01	67	29.82	30.97	30.97	8.27	8.28	132.0	132.7	8.44	8.48	7.17	0.0	0.0	3.7	1.4	1.2	5.0						
	1.01	67	29.83	30.97		8.28		133.3		8.52			0.0			1.0								
	0.40	346	28.68	31.84		8.07		89.7		5.82			1.7			3.4								
M	1.14	234	28.69	31.83	31.84	8.07	8.07	90.8	90.3	5.89	5.86	7.17	1.7	1.7	3.7	3.6	3.5	5.0						
	0.07	359	26.61	33.31		7.84		35.7		2.38			9.4			10.6								
	0.07	359	26.64	33.29		7.83		34.4		2.29			9.3			10.0								
B	0.65	339	29.85	30.79	30.79	8.26	8.26	129.1	129.5	8.26	8.29	7.62	0.3	0.3	1.9	< 1.0	0.5	2.3						
	0.65	339	29.86	30.79		8.26		129.9		8.31			0.3			< 1.0								
	0.85	329	29.17	31.43		8.15		107.2		6.91			0.9			1.0								
M	0.19	157	29.18	31.43	31.43	8.15	8.15	108.5	107.9	6.99	6.95	7.62	0.9	0.9	1.9	1.3	1.2	2.3						
	0.55	93	26.90	33.05		7.84		39.5		2.62			4.4			4.8								
	0.55	93	27.00	32.97		7.85		38.9		2.58			4.3			5.6								
B	0.39	38	29.54	30.59	30.59	8.25	8.26	129.1	129.3	8.31	8.34	7.81	0.1	0.1	0.7	< 1.0	0.5	1.3						
	0.39	38	29.40	30.39		8.26		129.4		8.36			0.1			< 1.0								
	0.69	277	29.10	31.37		8.16		112.6		7.27			0.3			1.0								
M	0.56	345	29.04	31.39	31.39	8.15	8.16	112.8	112.7	7.29	7.28	7.81	0.3	0.3	0.7	1.2	1.1	1.3						
	0.76	324	27.81	32.34		7.97		74.2		4.87			1.6			1.9								
	0.76	324	27.81	32.34		7.96		65.4		4.29			1.6			2.4								

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: 2021/09/22

Tide: Mid-Ebb

Monitoring Station	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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
E5	Fine	Calm	11:53	7.4	S	0.53	162	29.03	29.08	29.84	29.83	7.87	7.88	73.0	73.5	4.76	4.79	4.65	7.4	7.2	11.7	5.7	6.1	11.2
						0.53	162	29.12		29.81		7.88		74.0		4.82			7.0			6.5		
					M	0.50	227	28.63	28.64	29.92	29.92	7.85	7.86	68.7	68.8	4.51	4.51	11.9	11.7	11.3	11.2	11.0		
						0.37	207	28.65		29.91		7.86		68.8		4.51		11.4		16.1				
					B	0.13	339	28.62	28.62	29.94	29.94	7.85	7.85	69.4	69.2	4.55	4.54	4.54	4.54	16.4	16.4	16.3	16.3	
						0.13	339	28.62		29.94		7.85		69.0		4.53		16.3		16.5				
IM15	Fine	Calm	11:41	9.5	S	1.26	200	29.84	29.87	27.58	27.57	7.75	7.75	77.5	78.0	5.05	5.08	4.80	3.1	2.9	7.6	5.1	5.6	9.8
						1.26	200	29.89		27.56		7.75		78.4		5.10			2.7			6.0		
					M	0.07	38	28.60	28.63	30.04	30.00	7.79	7.79	68.6	69.0	4.50	4.52	8.5	8.3	9.2	8.7	8.1		
						0.18	293	28.65		29.96		7.79		69.3		4.54		8.1		8.1				
					B	0.35	159	28.55	28.55	30.11	30.11	7.77	7.78	68.1	67.7	4.47	4.44	4.44	4.44	11.8	11.7	15.3	15.3	
						0.35	159	28.55		30.10		7.78		67.2		4.41		11.6		15.2				

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: 2021/09/22

Tide: Mid-Flood

Monitoring Station	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)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
F5	Fine	Calm	08:06	6.7	S	0.19	29	28.47	28.47	30.09	30.09	7.98	7.99	73.1	73.1	4.80	4.80	4.82	41.2	36.6	48.5	52.4	52.0	59.3	
						0.86	14	28.47	28.47	30.08	30.09	7.99	7.99	73.0	73.1	4.80	4.80		31.9	36.6		51.6	52.0		
					M	0.67	64	28.47	28.47	30.12	30.11	7.98	7.98	73.5	73.5	4.83	4.83	4.86	53.5	53.5	46.0	53.2	52.7		64.5
						0.62	10	28.47	28.47	30.10	30.11	7.98	7.98	73.5	73.5	4.83	4.83		53.5	53.5		52.1	52.7		
					B	0.60	276	28.48	28.48	30.14	30.13	7.97	7.97	74.2	74.2	4.87	4.87	5.11	54.8	55.5	46.0	71.0	73.1		64.5
						0.60	276	28.47	28.48	30.12	30.13	7.97	7.97	73.7	74.0	4.84	4.86		56.1	55.5		75.2	73.1		
IM15	Fine	Calm	08:30	8.1	S	1.32	42	28.95	28.95	29.06	29.07	8.01	8.01	77.9	77.9	5.11	5.11	5.11	40.3	38.7	46.0	55.0	54.5	64.5	
						1.32	42	28.95	28.95	29.07	29.07	8.01	8.01	77.9	77.9	5.11	5.11		37.1	38.7		54.0	54.5		
					M	1.22	31	28.95	28.95	29.03	29.04	8.00	8.00	77.9	77.9	5.11	5.11	5.14	46.9	44.8	46.0	58.7	60.5		64.5
						1.22	31	28.95	28.95	29.04	29.04	8.00	8.00	77.9	77.9	5.11	5.11		42.7	44.8		62.3	60.5		
					B	1.03	10	28.96	28.96	28.95	28.97	8.01	8.01	78.9	78.4	5.17	5.14	5.14	51.7	54.5	46.0	78.6	78.4		64.5
						0.88	8	28.96	28.96	28.98	28.97	8.00	8.00	77.9	78.4	5.11	5.14		57.2	54.5		78.2	78.4		

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: 2021/09/23

Tide: Mid-Ebb

Monitoring Station	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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value
E2	Cloudy	Calm	13:41	8.9	S	0.24	222	29.85	29.85	31.07	31.07	8.36	8.36	145.0	145.1	9.26	9.27	9.30	0.6	0.6	0.8	4.3	4.5	3.6
						0.60	182	29.85	29.85	31.07	31.07	8.36	8.36	145.2	145.2	9.28	9.28		0.6	0.6		4.6		
						1.18	203	29.71	29.71	31.07	31.07	8.35	8.35	145.6	145.8	9.32	9.33		0.7	0.7		4.0		
					M	1.30	30	29.71	29.71	31.07	31.07	8.35	8.35	145.9	145.9	9.34	9.34	0.7	0.7	3.7				
						0.81	355	29.47	29.47	31.04	31.04	8.32	8.32	133.9	134.2	8.61	8.63	1.0	1.1	2.8				
						0.81	355	29.45	29.46	31.06	31.05	8.31	8.32	134.5	134.2	8.65	8.63	1.1	1.1	2.3				
IM3	Cloudy	Calm	12:04	15.1	S	0.62	259	29.40	29.41	31.34	31.34	8.24	8.25	130.0	130.4	8.35	8.38	7.86	0.6	0.6	3.6	2.1	2.3	5.3
						0.62	259	29.42	29.41	31.34	31.34	8.26	8.25	130.8	130.4	8.40	8.38		0.6	0.6		2.4		
						0.42	282	29.04	29.06	31.39	31.38	8.14	8.15	111.1	113.6	7.18	7.34		1.3	1.4		2.3		
					M	0.57	185	29.07	29.06	31.37	31.38	8.16	8.15	116.0	113.6	7.49	7.34	1.4	1.4	2.9				
						0.52	136	27.02	26.92	32.63	32.68	7.80	7.80	51.2	47.8	3.40	3.18	8.4	8.8	11.4				
						0.52	136	26.82	26.92	32.73	32.68	7.79	7.80	44.3	47.8	2.95	3.18	9.1	8.8	10.6				
IM4	Cloudy	Calm	12:29	17.0	S	1.42	208	29.58	29.59	31.22	31.22	8.29	8.30	131.1	131.6	8.40	8.43	7.88	0.6	0.7	3.5	2.1	2.4	5.7
						1.42	208	29.59	29.59	31.22	31.22	8.30	8.30	132.0	131.6	8.46	8.43		0.7	0.7		2.6		
						0.37	69	29.46	29.46	31.31	31.32	8.23	8.23	112.9	114.0	7.25	7.32		1.9	1.9		3.4		
					M	0.45	97	29.45	29.46	31.33	31.32	8.23	8.23	115.1	114.0	7.39	7.32	1.9	1.9	3.9				
						0.78	241	27.04	27.03	32.72	32.73	7.85	7.85	42.3	40.6	2.80	2.69	7.5	8.1	11.5				
						0.78	241	27.02	27.03	32.74	32.73	7.84	7.85	38.9	40.6	2.58	2.69	8.6	8.1	10.5				
IM5	Cloudy	Calm	13:13	15.2	S	0.66	206	29.49	29.49	31.12	31.12	8.31	8.31	133.9	134.4	8.60	8.63	8.12	0.5	0.5	0.9	1.3	1.6	2.7
						0.66	206	29.49	29.49	31.12	31.12	8.31	8.31	134.8	134.4	8.66	8.63		0.5	0.5		1.9		
						0.46	288	29.21	29.22	31.18	31.18	8.26	8.27	117.5	117.9	7.58	7.60		0.1	0.1		1.9		
					M	0.54	36	29.22	29.22	31.18	31.18	8.27	8.27	118.2	117.9	7.62	7.60	0.1	0.1	1.7				
						0.86	280	28.34	28.38	31.73	31.72	8.06	8.07	77.7	78.7	5.07	5.13	2.0	2.0	5.0				
						0.94	320	28.41	28.38	31.70	31.72	8.08	8.07	79.6	78.7	5.19	5.13	2.0	2.0	4.3				
IM6	Cloudy	Calm	12:53	16.1	S	1.30	245	29.41	29.45	31.07	31.05	8.30	8.31	126.7	127.3	8.15	8.19	7.29	0.1	0.1	3.4	2.0	1.8	5.5
						1.34	225	29.48	29.45	31.02	31.05	8.31	8.31	127.9	127.3	8.22	8.19		0.1	0.1		1.5		
						1.77	75	28.87	28.84	31.41	31.42	8.18	8.18	98.4	98.6	6.37	6.39		1.6	1.5		2.1		
					M	1.77	75	28.81	28.84	31.43	31.42	8.17	8.18	98.8	98.6	6.41	6.39	1.4	1.5	3.0				
						0.61	217	27.03	26.99	32.75	32.78	7.85	7.85	38.2	36.2	2.53	2.40	8.1	8.6	12.5				
						0.42	117	26.94	26.99	32.80	32.78	7.84	7.85	34.1	36.2	2.26	2.40	9.1	8.6	11.8				

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2021/09/23

Tide: Mid-Flood

Monitoring Station	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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value
F2	Cloudy	Calm	06:30	19.0	S	0.66	185	29.34	29.35	31.33	31.33	8.21	8.22	117.0	117.8	7.53	7.58	6.03	0.2	0.2	1.8	3.2	3.4	4.0
						0.66	185	29.35		31.32		8.22		118.5		7.62			0.2			3.5		
						0.47	101	28.07		31.80		7.89		68.1		4.46			2.7			4.6		
					M	1.40	246	28.10	31.78	7.89	69.0	4.52	2.6	4.0										
						1.00	293	25.49	33.87	7.74	30.6	2.07	2.5	4.2										
						1.16	276	25.54	33.82	7.75	30.3	2.05	2.3	4.7										
F3	Cloudy	Calm	07:11	17.0	S	0.55	320	29.43	29.44	30.64	30.69	8.25	8.26	118.9	119.2	7.67	7.69	7.08	0.2	0.2	2.2	1.6	1.7	3.2
						0.35	248	29.45		30.74		8.26		119.5		7.70			0.2			1.8		
						0.78	293	29.02		31.60		8.14		99.8		6.44			1.0			2.2		
					M	0.50	68	28.94	31.64	8.13	100.7	6.51	1.1	1.9										
						0.32	280	26.74	33.00	7.84	36.7	2.44	5.2	6.3										
						0.32	280	26.30	33.23	7.81	34.4	2.30	5.3	5.4										
IM3	Cloudy	Calm	08:34	15.1	S	0.73	287	28.95	28.95	31.32	31.33	8.13	8.13	104.5	104.8	6.76	6.78	6.15	0.9	1.0	3.8	1.9	2.0	5.3
						0.83	302	28.95		31.33		8.13		105.1		6.80			1.0			2.0		
						0.78	296	28.32		31.39		8.02		82.5		5.39			2.2			2.4		
					M	0.44	350	28.39	31.37	8.02	86.4	5.64	1.9	2.4										
						0.58	104	26.99	32.48	7.87	49.1	3.26	8.7	11.0										
						0.58	104	27.10	32.41	7.88	49.2	3.26	8.0	12.1										
IM4	Cloudy	Calm	08:06	17.0	S	0.30	23	29.36	29.36	31.09	31.08	8.24	8.25	119.6	119.9	7.70	7.72	7.37	0.5	0.5	2.4	2.0	2.4	6.0
						0.29	115	29.36		31.06		8.25		120.1		7.73			0.5			2.8		
						1.67	265	29.37		31.30		8.20		107.6		6.92			1.5			3.0		
					M	0.66	329	29.37	31.34	8.20	110.8	7.12	1.4	4.0										
						0.77	247	27.61	32.31	7.90	52.1	3.43	4.7	11.8										
						0.60	261	27.46	32.44	7.87	45.4	2.99	5.9	12.2										
IM5	Cloudy	Calm	07:39	15.2	S	0.43	330	29.39	29.39	30.98	30.99	8.28	8.28	124.0	124.2	7.98	8.00	7.80	0.2	0.2	1.7	2.2	2.7	3.9
						1.19	64	29.39		30.99		8.28		124.4		8.01			0.2			3.2		
						0.71	322	29.36		31.22		8.24		117.0		7.53			0.8			2.6		
					M	1.13	308	29.36	31.22	8.24	119.2	7.67	0.7	3.4										
						0.73	236	28.03	32.22	7.96	61.3	4.01	4.0	5.5										
						0.73	236	28.04	32.22	7.96	61.0	3.99	4.1	6.3										
IM6	Cloudy	Calm	07:23	16.2	S	0.07	251	29.32	29.32	30.34	30.31	8.25	8.26	118.6	118.6	7.67	7.68	7.40	0.4	0.4	2.7	1.4	1.9	5.6
						0.29	16	29.32		30.28		8.26		118.6		7.68			0.3			2.3		
						1.27	288	29.37		31.42		8.18		109.7		7.05			0.9			3.9		
					M	0.77	24	29.41	31.40	8.19	112.1	7.20	0.9	2.6										
						1.53	271	27.23	32.71	7.88	45.3	2.99	6.8	12.4										
						1.53	271	27.17	32.75	7.87	42.9	2.84	7.1	11.0										

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: 2021/09/24

Tide: Mid-Ebb

Monitoring Station	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)			Suspended Solids (mg/L)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*					
E5	Cloudy	Calm	13:08	6.7	S	0.09	355	28.99	28.99	29.77	29.77	7.98	7.98	85.1	85.1	5.55	5.55	5.52	4.7	5.1	6.0	7.2	7.1	8.1					
						0.09	355	28.99	28.99	29.77	29.77	7.98	7.98	85.1	85.1	5.55	5.55		5.4	5.7		6.9	7.4						
						0.58	1	28.92	28.93	29.78	29.78	7.97	7.97	84.0	84.1	5.49	5.50		5.8	5.7		7.2	7.4						
					M	0.43	14	28.94	28.82	29.78	29.78	7.97	7.97	84.2	84.2	5.50	5.50	5.5	5.5	5.35	8.0	7.4	6.4	9.9	9.7	8.1			
						0.14	242	28.80	28.82	29.82	29.82	7.96	7.96	82.0	81.7	5.37	5.35	5.5	5.5		8.0	7.4		9.9	9.7				
						0.39	18	28.83	28.82	29.81	29.82	7.96	7.96	81.4	81.7	5.32	5.35	5.5	5.5		6.8	7.4		9.5	9.7				
					IM15	Cloudy	Calm	12:55	7.7	S	0.71	250	29.34	29.36	28.58	28.55	7.90	7.90	84.6	84.9	5.52	5.54	5.37	3.3	3.2	6.4	3.9	3.8	8.1
											0.71	250	29.37	29.36	28.51	28.55	7.90	7.90	85.1	84.9	5.56	5.54		3.0	3.2		3.6	3.8	
											0.32	29	28.81	28.81	29.88	29.88	7.92	7.92	79.5	79.5	5.20	5.20		7.5	7.6		9.5	9.6	
M	0.60	103	28.81	28.81						29.88	29.88	7.92	7.92	79.4	79.4	5.19	5.20	5.2	5.20	5.20	5.20	7.6	7.6	6.4	9.7	9.6	8.1		
	0.36	139	28.81	28.81						29.91	29.91	7.91	7.91	79.1	79.1	5.17	5.17	5.17	5.17	8.6	8.5	11.0	10.8						
	0.36	139	28.80	28.81						29.91	29.91	7.91	7.91	79.0	79.1	5.17	5.17	5.17	5.17	8.4	8.5	10.6	10.8						

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: 2021/09/24

Tide: Mid-Flood

Monitoring Station	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)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value
F5	Cloudy	Calm	08:47	5.8	S	0.71	181	28.78	28.79	29.25	29.25	7.88	7.88	81.0	81.1	5.32	5.33	5.33	5.1	5.1	12.4	7.8	8.0	16.3	
						1.30	53	28.79		29.24		7.88		81.2		5.33			5.0			8.2			
					B	0.87	60	28.61	28.61	29.88	29.87	7.86	7.87	77.2	77.0	5.07	5.05	5.05	18.9	19.7		24.9			
						1.10	27	28.61		29.86		7.87		76.7		5.03			20.4			24.2			
IM15	Cloudy	Calm	09:36	7.1	S	1.02	6	28.94	28.94	28.97	28.98	7.94	7.94	78.1	78.2	5.12	5.13	5.12	22.7	22.5	25.9	35.2	35.1	33.7	
						1.02	6	28.94		28.98		7.94		78.3		5.14			22.2			34.9			
					M	0.83	18	28.93	28.93	28.94	28.94	7.94	7.94	77.7	77.7	5.10	5.10	5.10	25.5	25.7		33.6			
						0.51	4	28.93		28.94		7.94		77.7		5.10			25.9			33.0			
					B	1.09	52	28.92	28.92	28.90	28.91	7.94	7.94	77.4	77.3	5.08	5.08	5.08	29.4	29.5	32.6				
						0.34	330	28.92		28.91		7.94		77.2		77.3			5.07		5.08	29.6	33.1		32.9

Remark: * DA: Depth-Averaged

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Water Quality Monitoring Data Log Sheet

Date: 2021/09/27

Tide: Mid-Ebb

Monitoring Station	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)			Suspended Solids (mg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		
E5	Fine	Moderate	14:19	7.4	S	0.48	5	29.49	29.45	28.95	29.04	7.95	7.96	87.2	86.7	5.67	5.64	5.29	4.0	4.3	10.6	4.0	4.3	11.1		
						0.15	283	29.40		29.13		7.96		86.2		5.61			4.5							
					M	0.12	75	29.01	29.02	29.78	29.77	7.91	7.91	75.8	75.9	4.94	4.95	13.9	13.2	12.3		13.0				
						0.12	75	29.03		29.75		7.91		75.9		4.95		12.4								
					B	0.19	84	29.00	29.00	29.80	29.80	7.90	7.91	77.1	76.6	5.03	5.00	5.00	5.00	14.3		14.5	14.7		16.2	
						0.19	84	28.99		29.80		7.91		76.0		4.96		15.5								
IM15	Fine	Moderate	14:36	7.4	S	0.35	62	29.70	29.83	28.79	28.69	8.03	8.04	90.5	91.5	5.87	5.92	5.55	2.5	2.4	6.0	2.0	2.4	4.9		
						0.35	62	29.95		28.59		8.04		92.4		5.97			2.2							
					M	0.27	14	29.00	29.01	30.15	30.15	7.98	7.99	79.6	79.7	5.18	5.19		5.19	5.19		7.4	7.0		5.0	5.4
						0.11	354	29.01		30.14		7.99		79.8		5.19			6.6							
					B	0.44	76	28.97	28.97	30.22	30.22	7.97	7.97	81.2	80.1	5.29	5.22		5.22	5.22		8.3	8.7		6.4	7.0
						0.44	76	28.97		30.21		7.97		79.0		5.14			9.1			7.5				

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: 2021/09/27

Tide: Mid-Flood

Monitoring Station	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)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value
F5	Fine	Moderate	09:46	5.4	S	0.55	271	29.03	29.02	29.64	29.72	7.90	7.91	82.3	82.3	5.37	5.37	5.37	5.4	5.5	10.0	4.1	4.7	11.7	
						0.26	78	29.00	29.80	7.91	82.2	5.36	5.37	5.4	5.5										
					B	0.53	52	28.86	28.87	30.64	30.63	7.88	7.89	78.2	77.8	5.09	5.07	5.07	14.8	14.5		18.8			18.8
						0.34	276	28.87	30.61	7.90	77.4	5.04	5.07	14.1	14.5										
IM15	Fine	Moderate	10:20	7.4	S	0.38	250	29.13	29.17	28.46	28.38	7.95	7.94	85.2	85.7	5.59	5.62	5.50	2.8	2.7	7.5	2.1	2.4	8.0	
						0.41	359	29.20	28.30	7.93	7.94	86.2	85.7	5.65	5.62	2.5	2.7								
					M	0.68	8	28.92	28.90	30.05	30.17	7.98	7.98	82.7	82.5	5.39	5.38		7.4	8.1		6.8			8.8
						0.69	359	28.88	30.29	7.98	7.98	82.2	82.5	5.36	5.38	8.7	8.1		10.7	8.8					
					B	0.35	331	28.85	28.86	30.42	30.41	7.99	7.99	82.1	81.8	5.35	5.33	5.33	12.2			11.8	13.8		13.0
						0.41	333	28.86	30.39	7.99	7.99	81.5	81.8	5.31	5.33	11.4	11.8	12.1	13.0						

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: 2021/09/29

Tide: Mid-Ebb

Monitoring Station	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)			Suspended Solids (mg/L)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*					
E5	Fine	Calm	04:40	7.3	S	0.07	109	29.80	29.80	27.70	27.71	7.84	7.84	88.3	88.4	5.75	5.76	5.64	0.8	0.8	2.5	2.4	2.0	2.7					
						0.07	109	29.80	29.80	27.71	27.71	7.84	7.84	88.5	88.4	5.76	5.76		0.8	0.8									
						0.21	204	29.75	29.75	28.26	28.26	7.85	7.85	84.0	84.9	5.46	5.52		1.2	1.2									
					M	0.29	186	29.75	29.75	28.26	28.26	7.85	7.85	85.8	84.9	5.58	5.52	1.2	1.2	5.4	5.5	2.8	3.4						
						0.25	186	29.46	29.46	29.48	29.48	7.82	7.83	75.3	74.7	4.88	4.85	5.4	5.5										
						0.37	221	29.46	29.46	29.48	29.48	7.83	7.83	74.1	74.7	4.81	4.85	5.6	5.5										
					IM15	Fine	Calm	04:57	8.3	S	0.46	241	29.44	29.45	27.80	27.80	7.88	7.88	87.8	88.2	5.75	5.77	5.45	0.8	0.8	2.3	1.5	1.7	2.4
											0.46	241	29.45	29.45	27.80	27.80	7.87	7.87	88.5	88.2	5.79	5.77		0.8	0.8				
											0.29	146	29.67	29.68	29.01	29.03	7.88	7.88	79.2	79.3	5.13	5.14		1.0	1.0				
M	0.63	234	29.68	29.68						29.05	29.05	7.88	7.88	79.4	79.3	5.14	5.14	0.9	0.9	2.1	2.5								
	0.31	188	29.48	29.48						29.50	29.50	7.87	7.87	73.2	72.6	4.75	4.71	4.8	5.2	2.9									
	0.68	131	29.48	29.48						29.50	29.50	7.86	7.87	72.0	72.6	4.67	4.71	5.5	5.2	2.8									
B	0.68	131	29.48	29.48						29.50	29.50	7.86	7.87	72.0	72.6	4.67	4.71	5.5	5.2	3.2	3.0								

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: 2021/09/29

Tide: Mid-Flood

Monitoring Station	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)			Suspended Solids (mg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average
F5	Fine	Calm	16:58	5.0	S	0.36	359	30.27	30.28	27.12	27.11	7.95	7.95	97.0	98.1	6.29	6.36	6.36	2.3	2.3	4.2	2.0	2.2	2.9		
						0.36	359	30.28		27.10		7.95		99.2		6.43			2.3			2.3				
					B	0.13	316	29.44	29.44	30.13	30.12	7.93	7.94	83.9	81.8	5.42	5.29	5.29	5.9	6.1		5.9	3.6			
						0.22	280	29.44		30.10		7.94		79.6		5.15			6.3			4.0				
IM15	Fine	Calm	16:19	7.2	S	0.31	31	30.06	30.04	27.47	27.50	7.91	7.91	95.1	95.0	6.18	6.17	5.80	4.5	4.5	5.4	3.4	3.6	4.3		
						0.31	31	30.02		27.53		7.91		94.8		6.16			4.5			4.5			3.7	
					M	0.17	354	29.63	29.63	28.90	28.90	7.91	7.91	83.2	83.6	5.40	5.43	5.4	5.5	5.4		5.5	4.0		3.8	
						0.17	354	29.63		28.89		7.91		84.0		5.45		5.5		3.6						
					B	0.31	334	29.56	29.56	29.44	29.44	7.91	7.91	80.0	79.8	5.18	5.17	5.17	6.1	6.2		6.1	6.2		5.3	5.6
						0.03	344	29.56		29.44		7.91		79.6		5.15			6.2			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; B: 1 m above the seabed

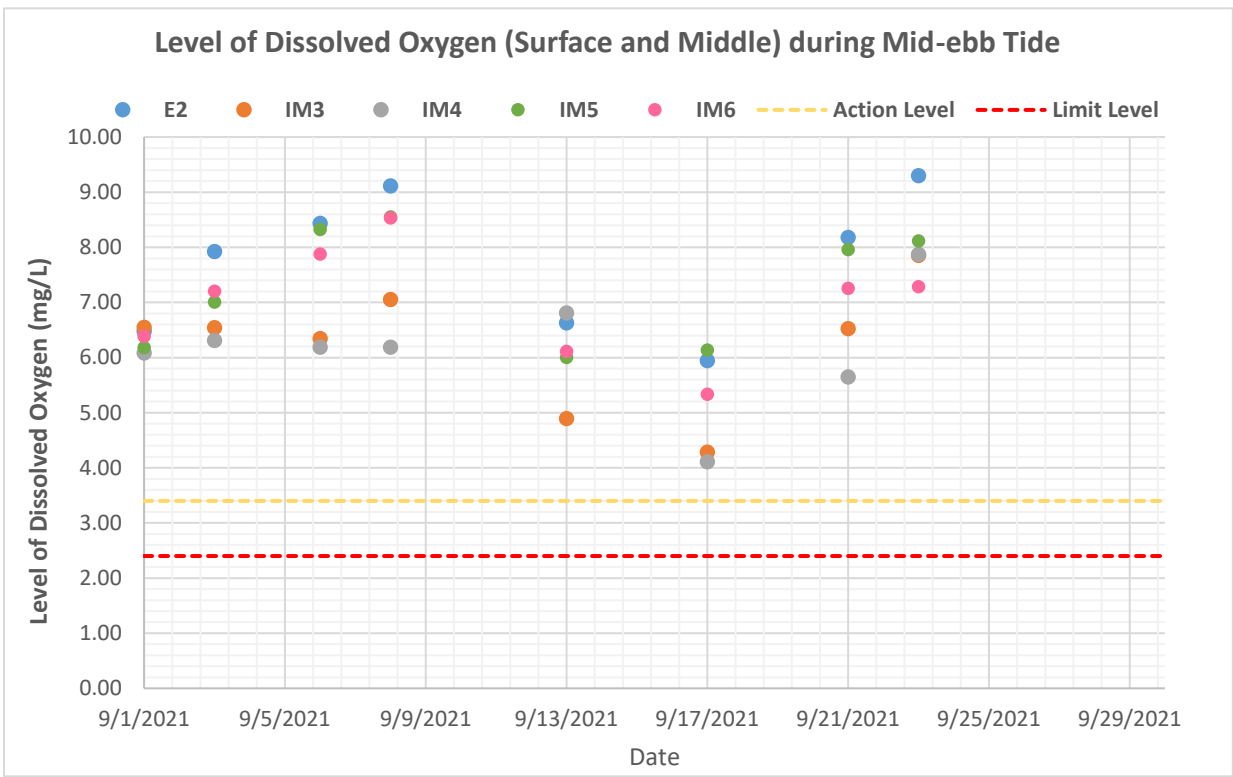


Figure G1a: Levels of Surface and Middle Dissolved Oxygen (mg/L) at control station (E2) and impact stations (IM3-IM6) under Group 2 during mid-ebb tides in September 2021.

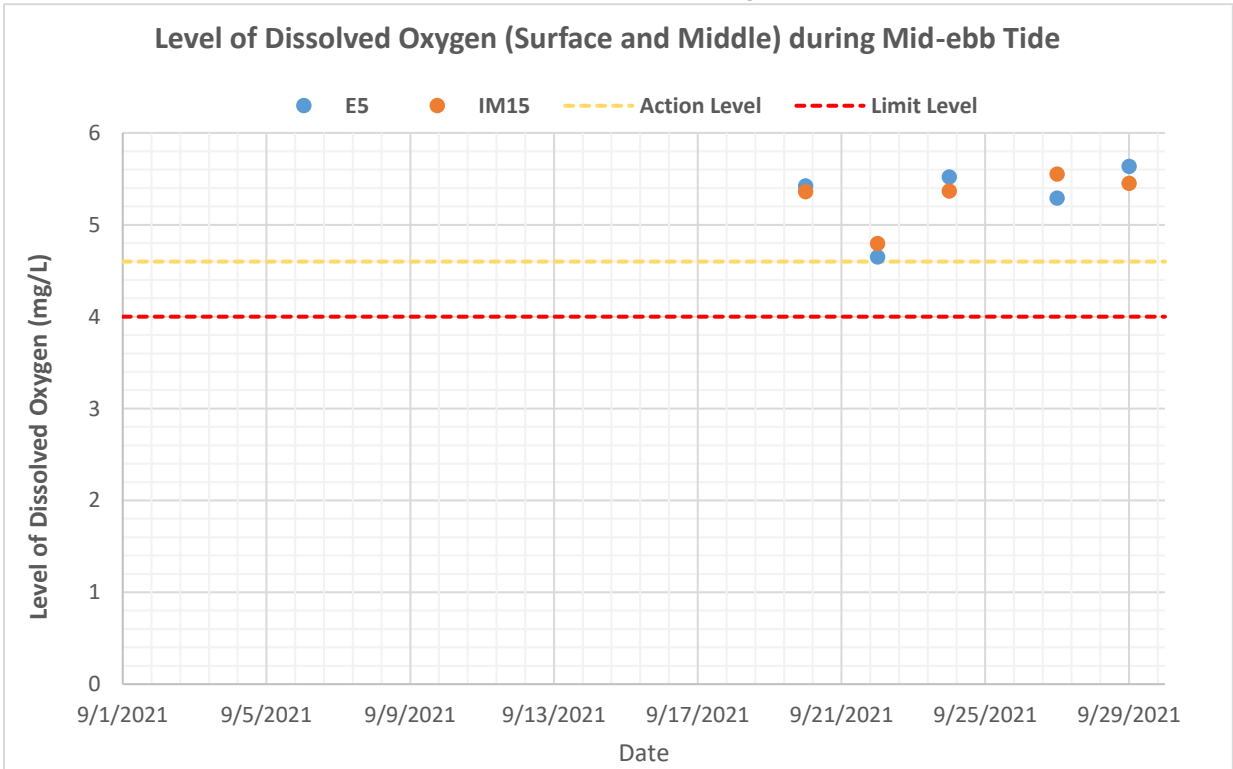


Figure G1b: Levels of Surface and Middle Dissolved Oxygen (mg/L) at control station (E5) and impact station (IM15) under Group 5 during mid-ebb tides in September 2021.

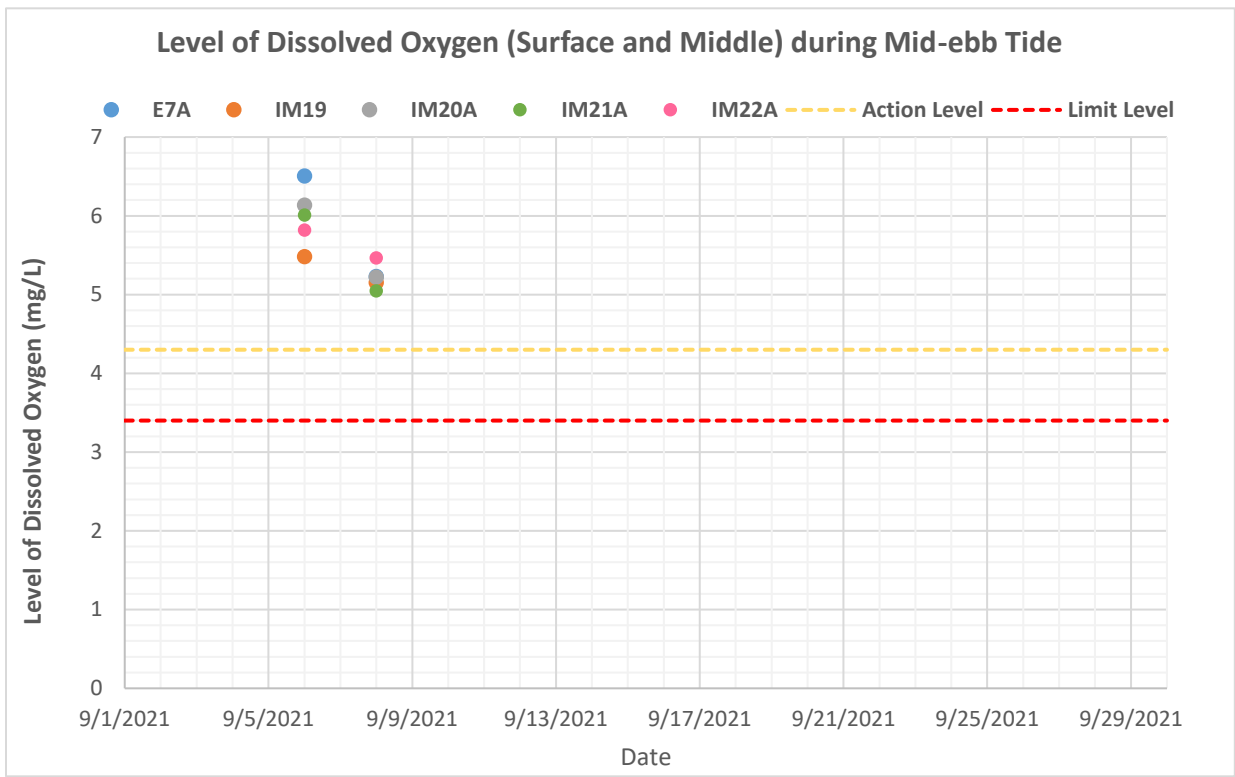


Figure G1c: Levels of Surface and Middle Dissolved Oxygen (mg/L) at control station (E7A) and impact stations (IM19-IM22A) under Group 8 during mid-ebb tides in September 2021.

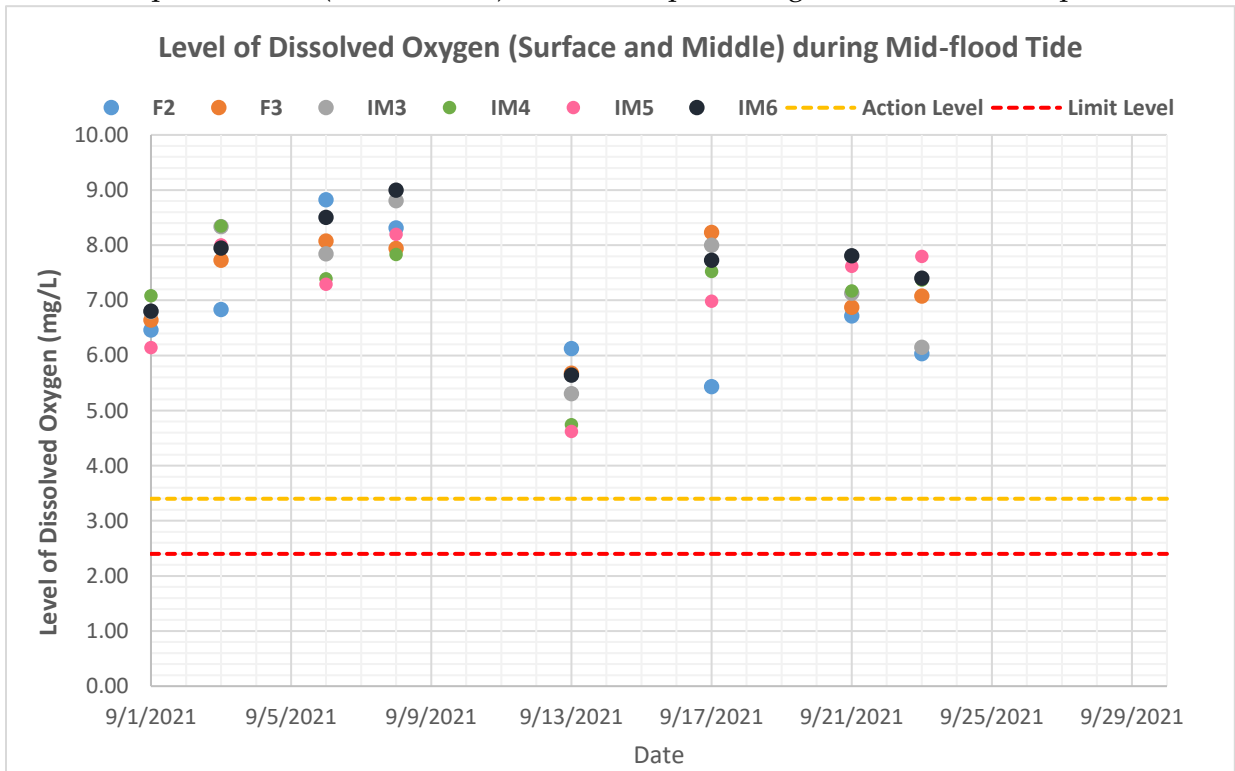


Figure G1d: Levels of Surface and Middle Dissolved Oxygen (mg/L) at control stations (F2-F3) and impact stations (IM3-IM6) under Group 2 during mid-flood tides in September 2021.

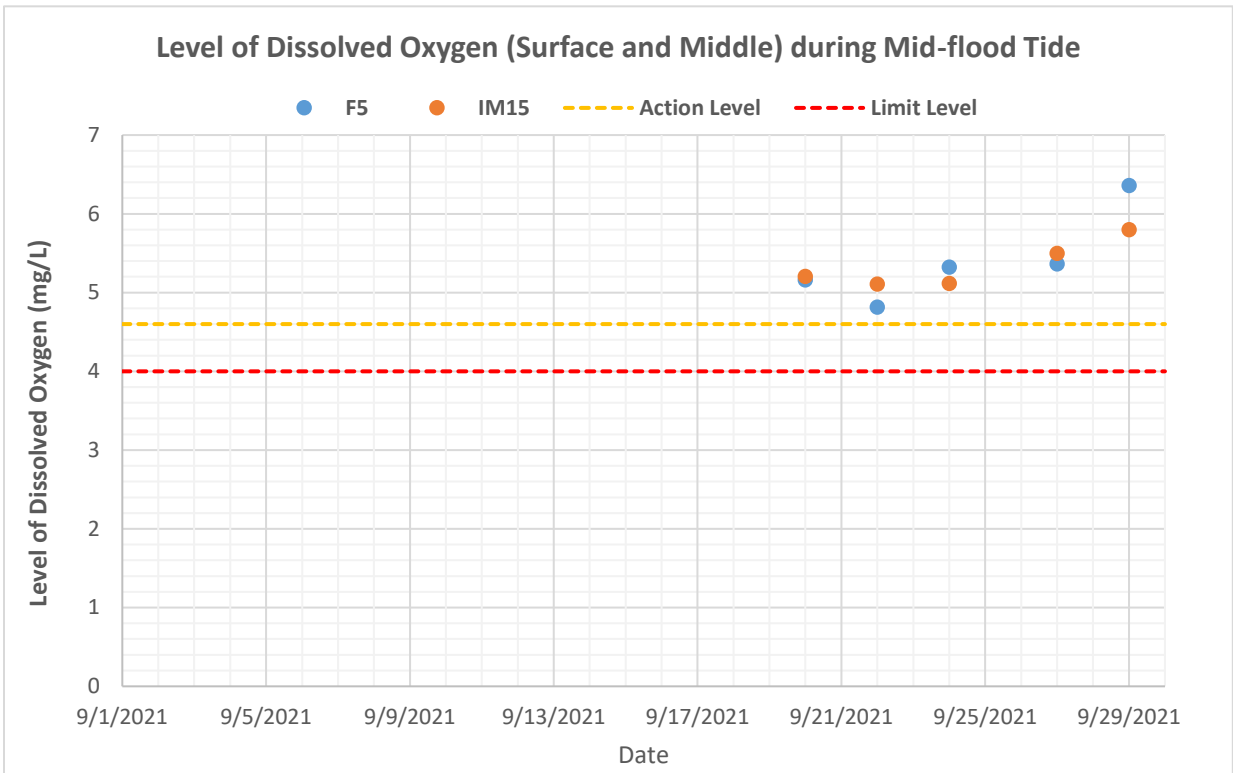


Figure G1e: Levels of Surface and Middle Dissolved Oxygen (mg/L) at control station (F5) and impact station (IM15) under Group 5 during mid-flood tides in September 2021.

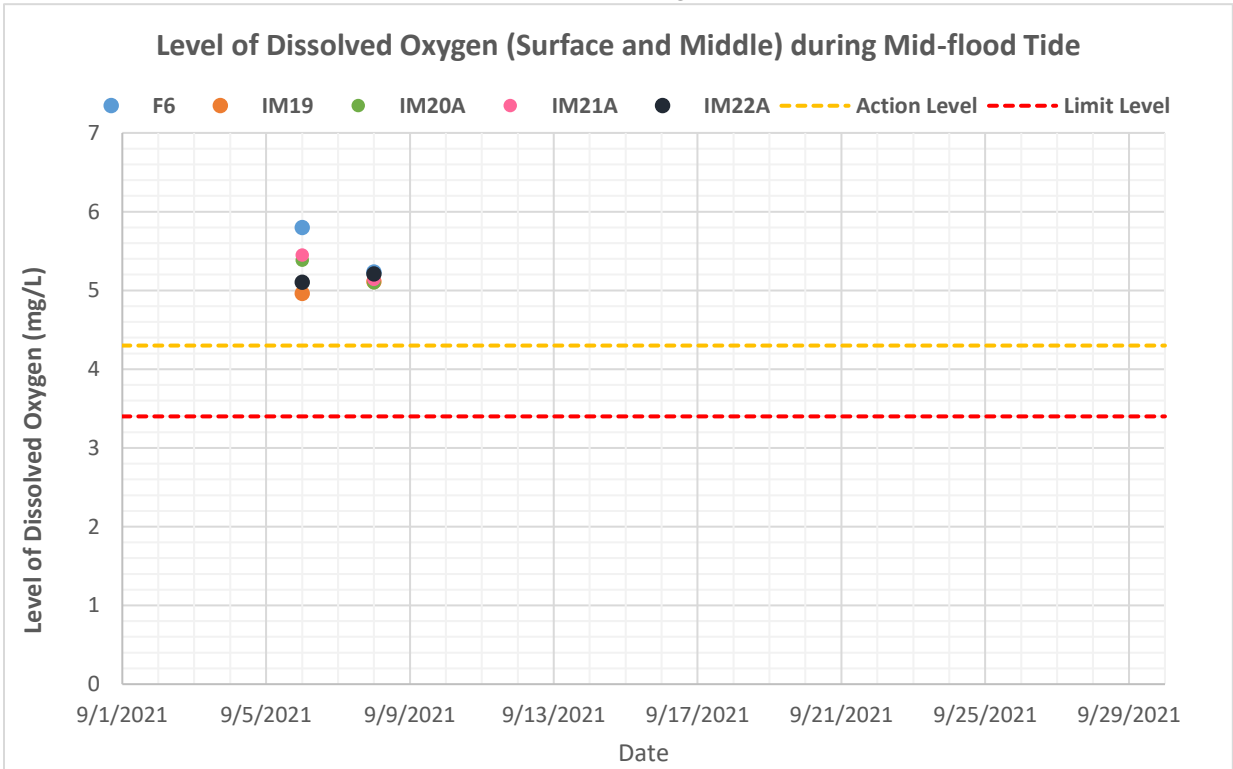


Figure G1f: Levels of Surface and Middle Dissolved Oxygen (mg/L) at control station (F6) and impact stations (IM19-IM22A) under Group 8 during mid-flood tides in September 2021.

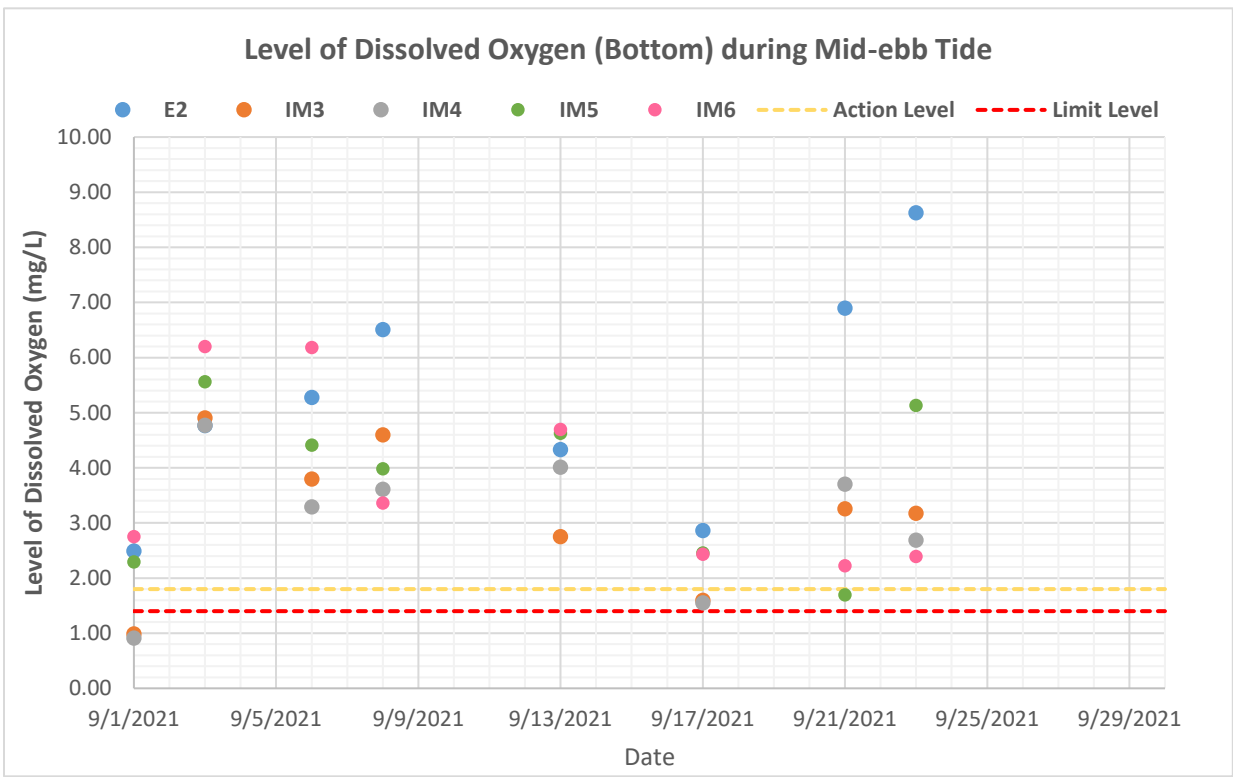


Figure G2a: Levels of Bottom Dissolved Oxygen (mg/L) at control station (E2) and impact stations (IM3-IM6) under Group 2 during mid-ebb tides in September 2021.

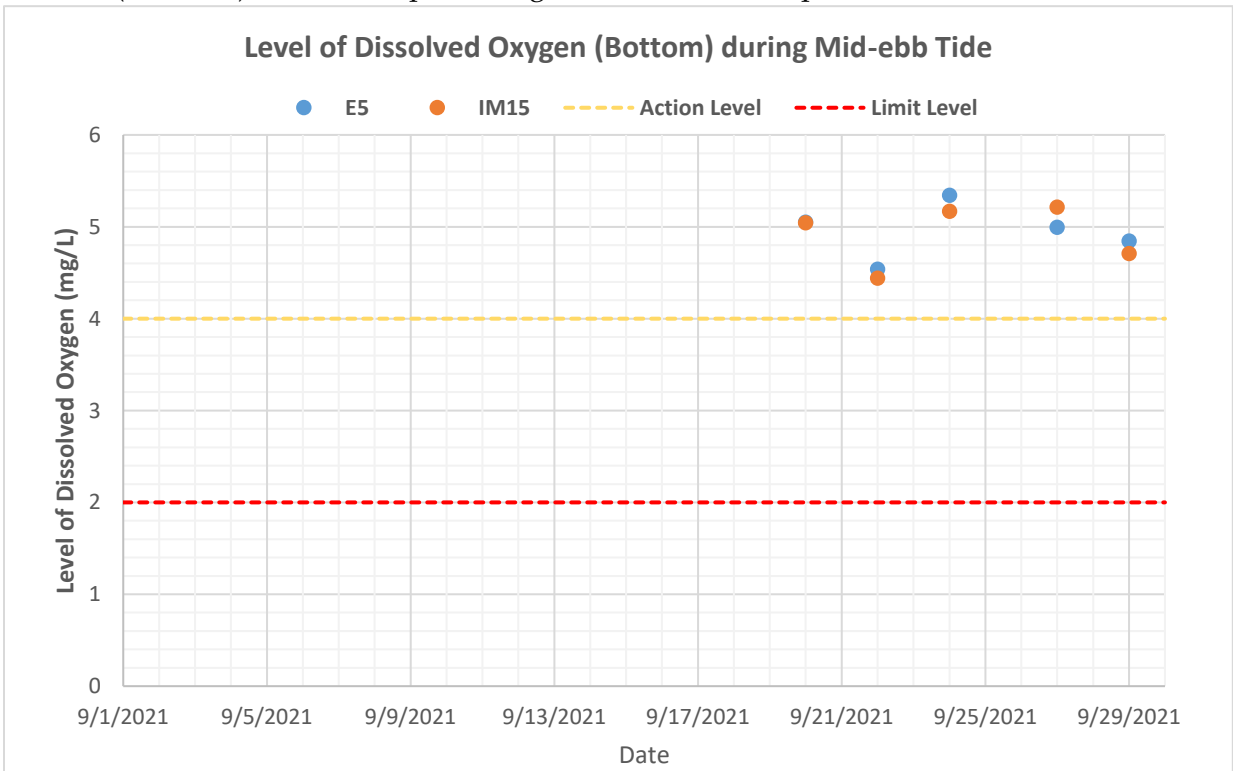


Figure G2b: Levels of Bottom Dissolved Oxygen (mg/L) at control station (E5) and impact station (IM15) under Group 5 during mid-ebb tides in September 2021.

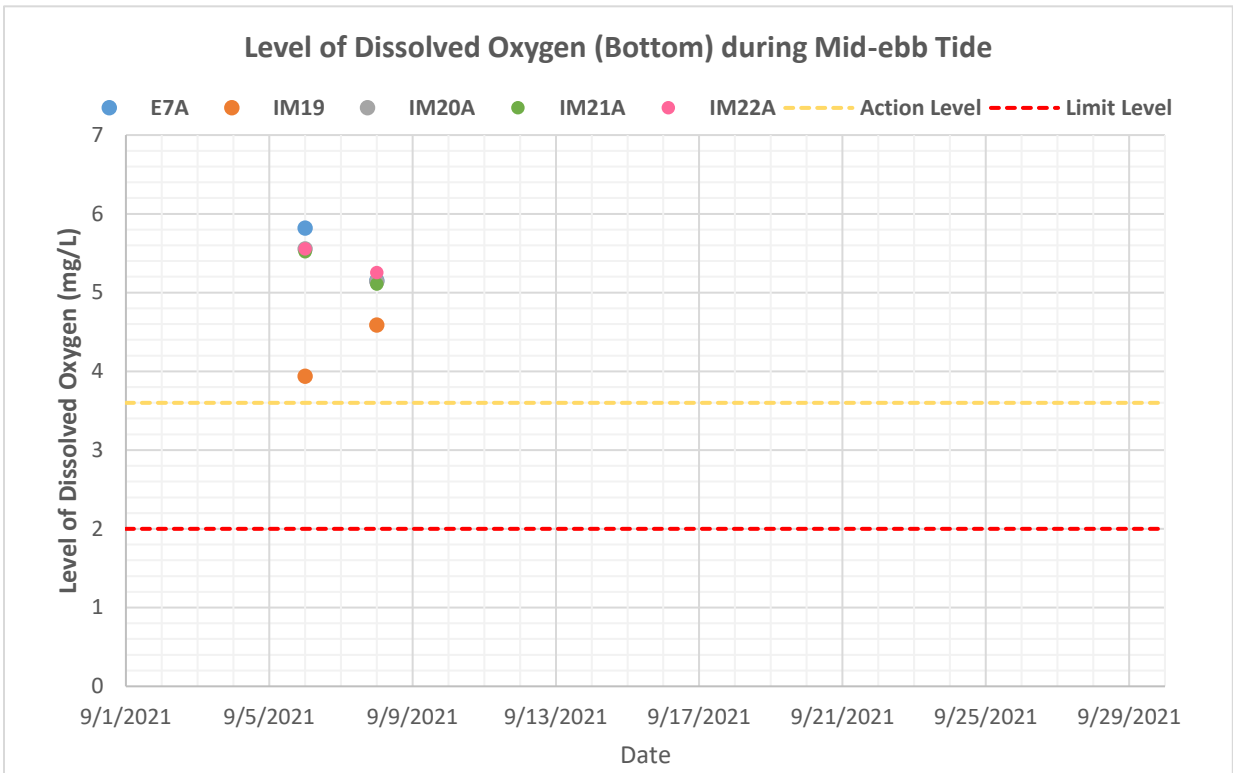


Figure G2c: Levels of Bottom Dissolved Oxygen (mg/L) at control station (E7A) and impact stations (IM19-IM22A) under Group 8 during mid-ebb tides in September 2021.

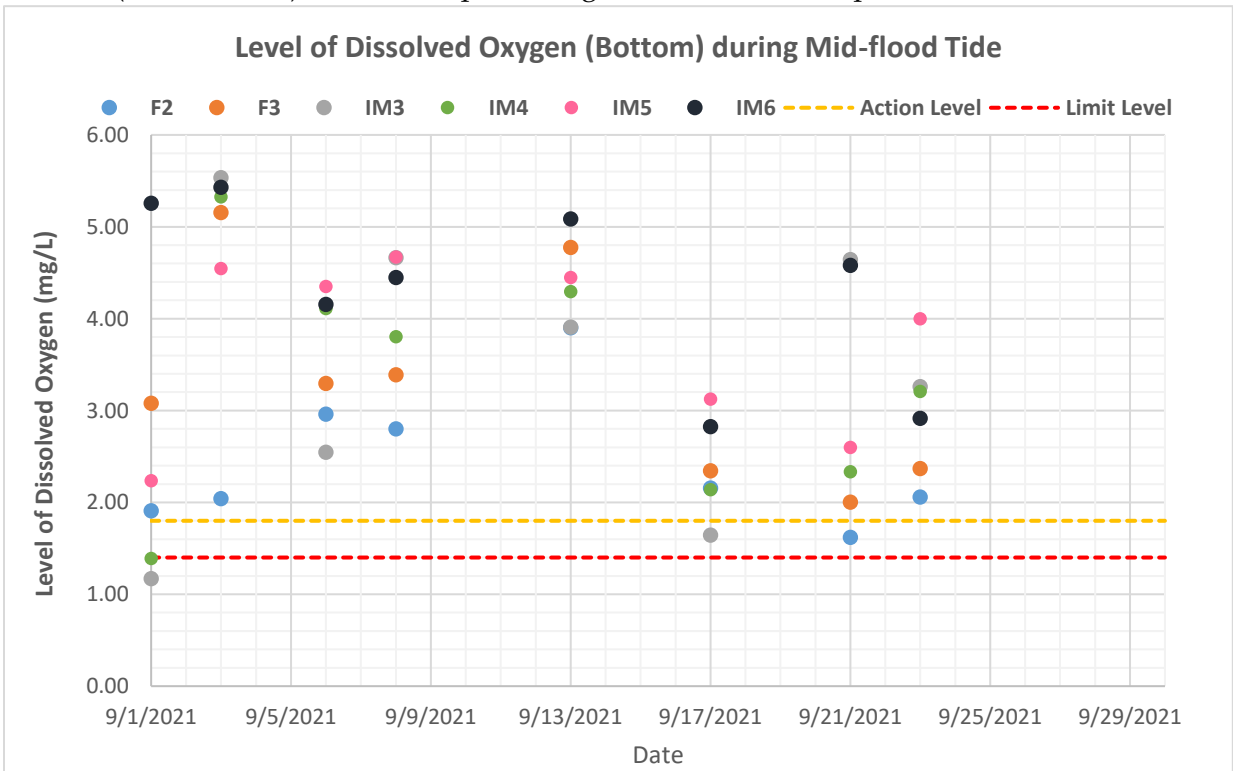


Figure G2d: Levels of Bottom Dissolved Oxygen (mg/L) at control stations (F2-F3) and impact stations (IM3-IM6) under Group 2 during mid-flood tides in September 2021.

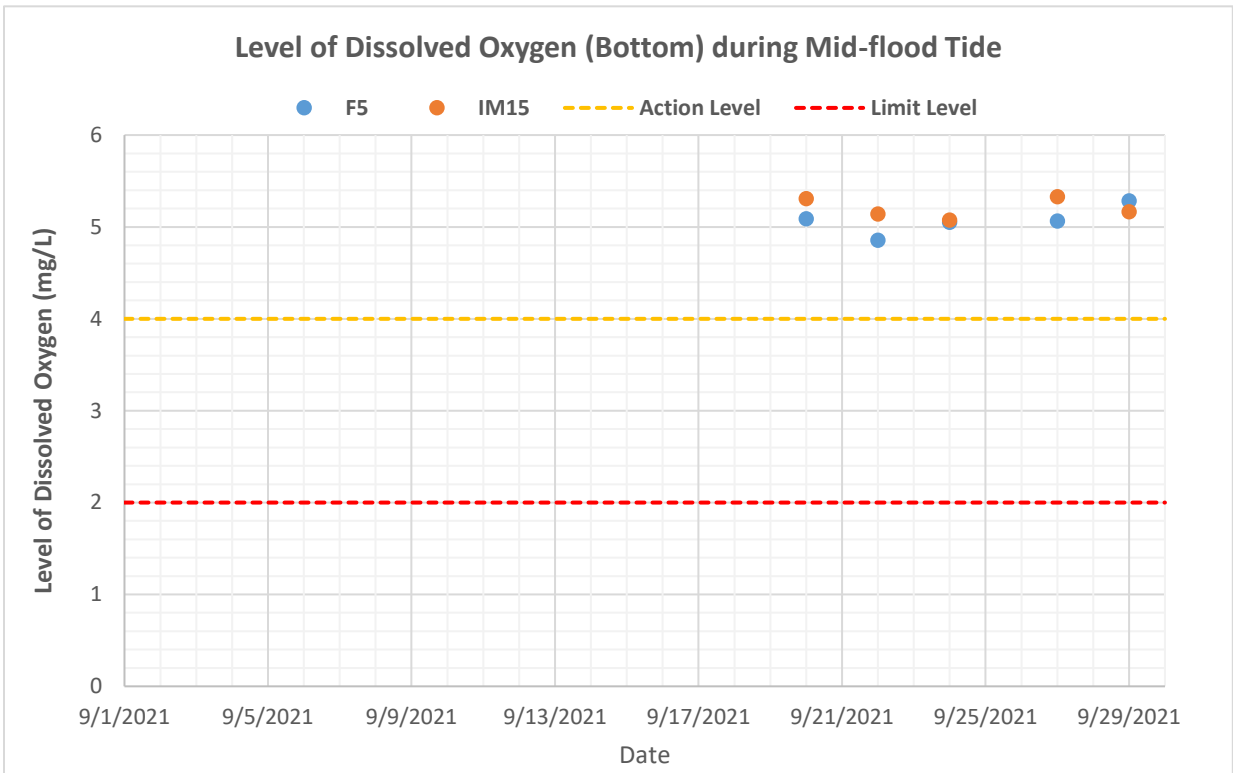


Figure G2e: Levels of Bottom Dissolved Oxygen (mg/L) at control station (F5) and impact station (IM15) under Group 5 during mid-flood tides in September 2021.

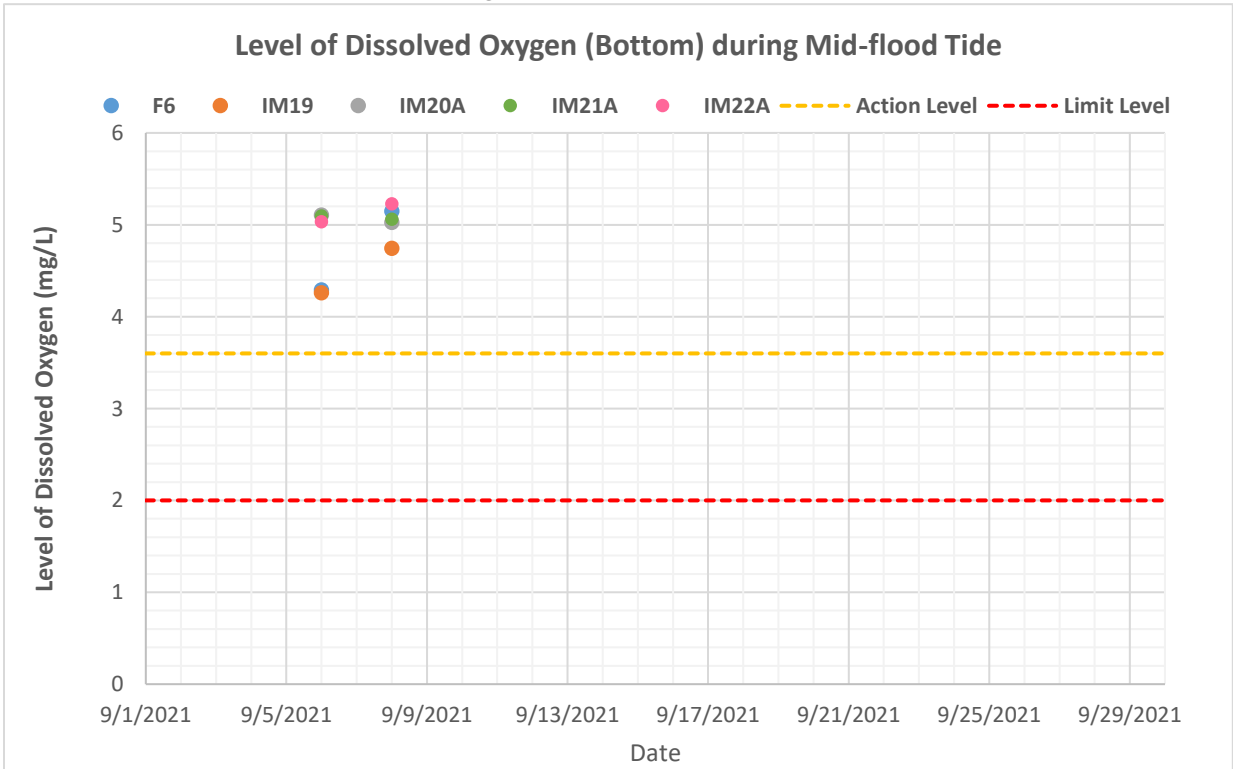


Figure G2f: Levels of Bottom Dissolved Oxygen (mg/L) at control station (F6) and impact stations (IM19-IM22A) under Group 8 during mid-flood tides in September 2021.

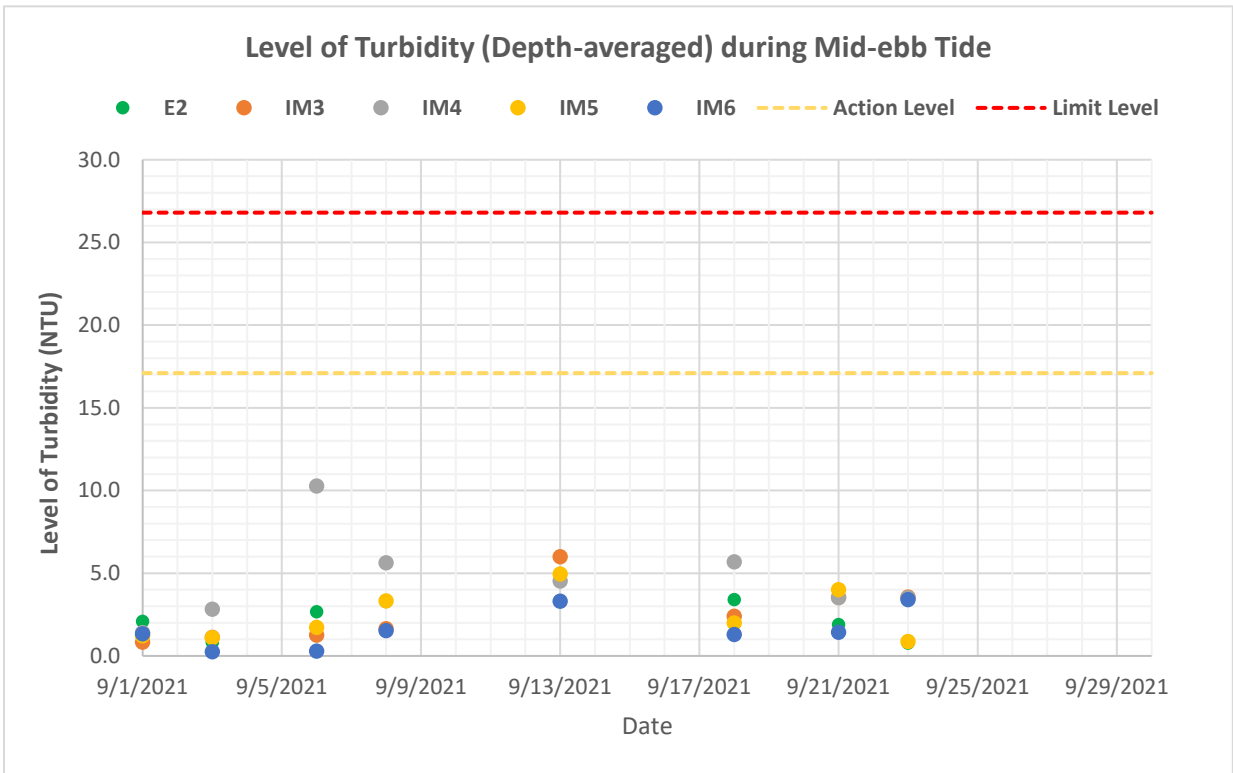


Figure G3a: Levels of Depth-averaged Turbidity (NTU) at control station (E2) and impact stations (IM3-IM6) under Group 2 during mid-ebb tides in September 2021.

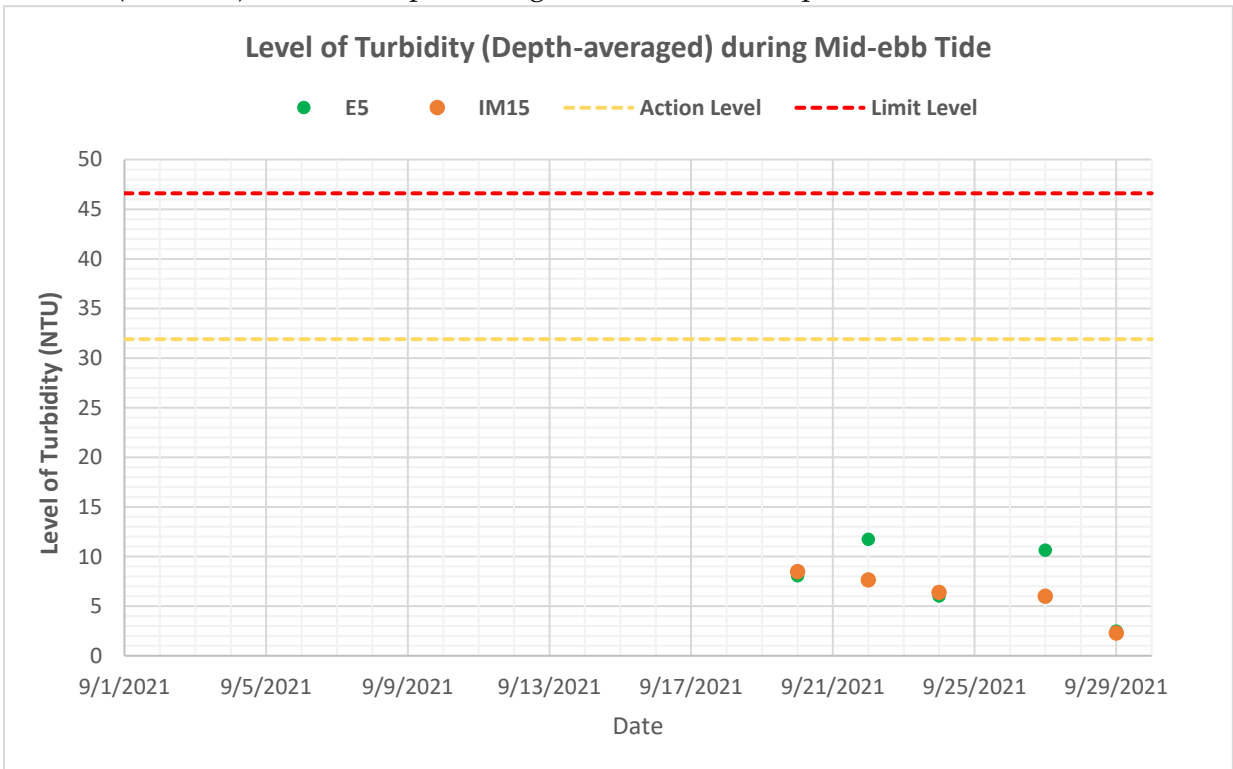


Figure G3b: Levels of Depth-averaged Turbidity (NTU) at control station (E5) and impact station (IM15) under Group 5 during mid-ebb tides in September 2021.

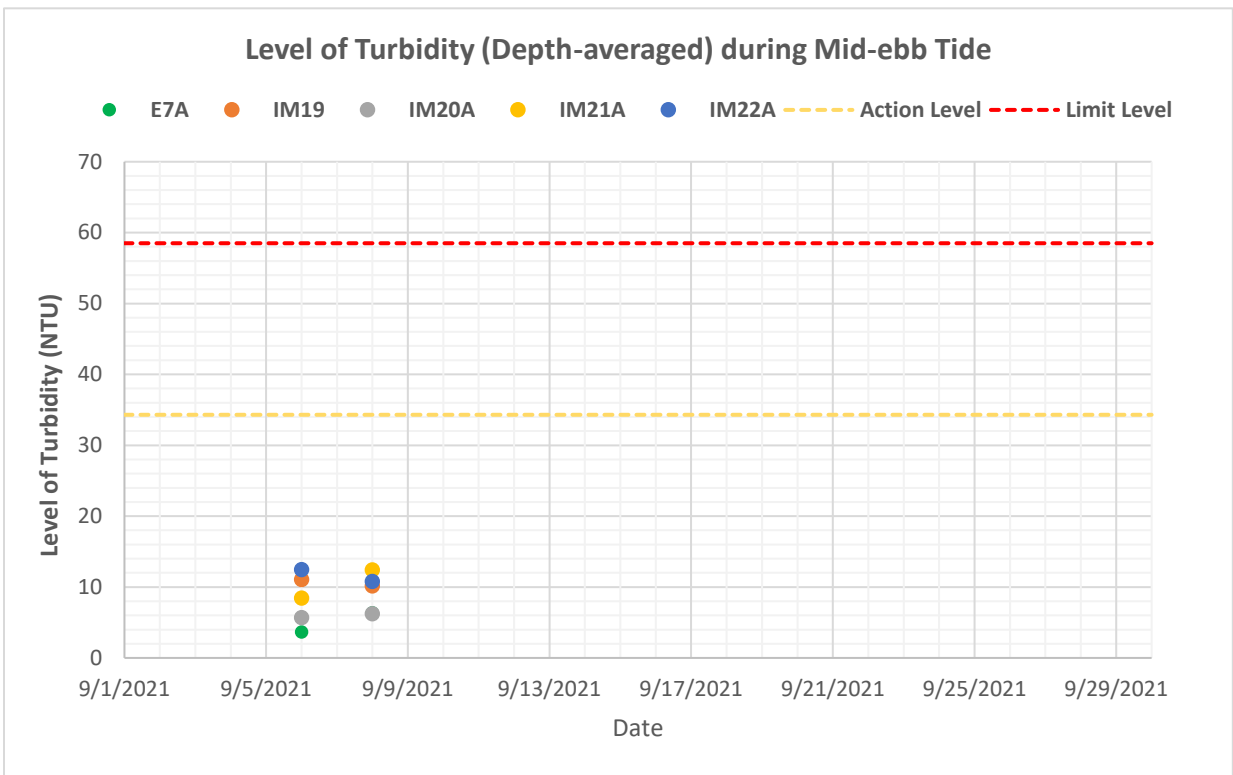


Figure G3c: Levels of Depth-averaged Turbidity (NTU) at control station (E7A) and impact stations (IM19-IM22A) under Group 8 during mid-ebb tides in September 2021.

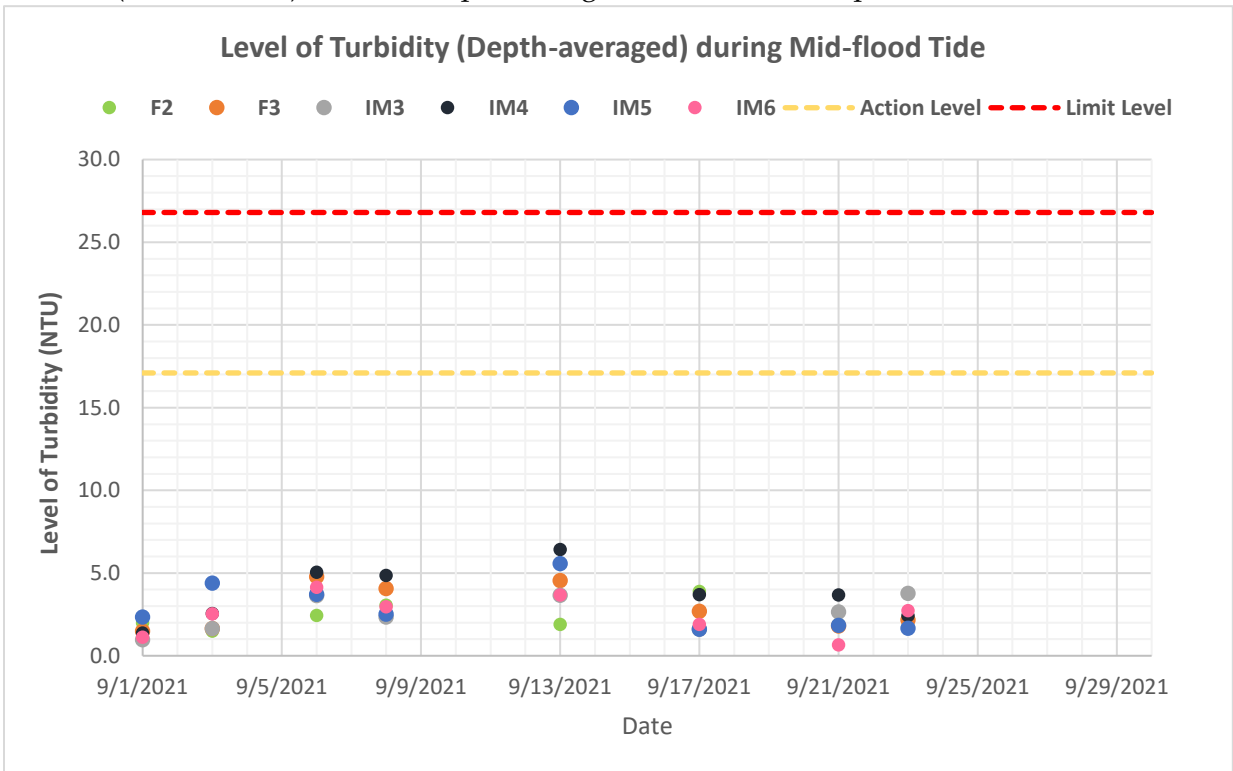


Figure G3d: Levels of Depth-averaged Turbidity (NTU) at control stations (F2-F3) and impact stations (IM3-IM6) under Group 2 during mid-flood tides in September 2021.

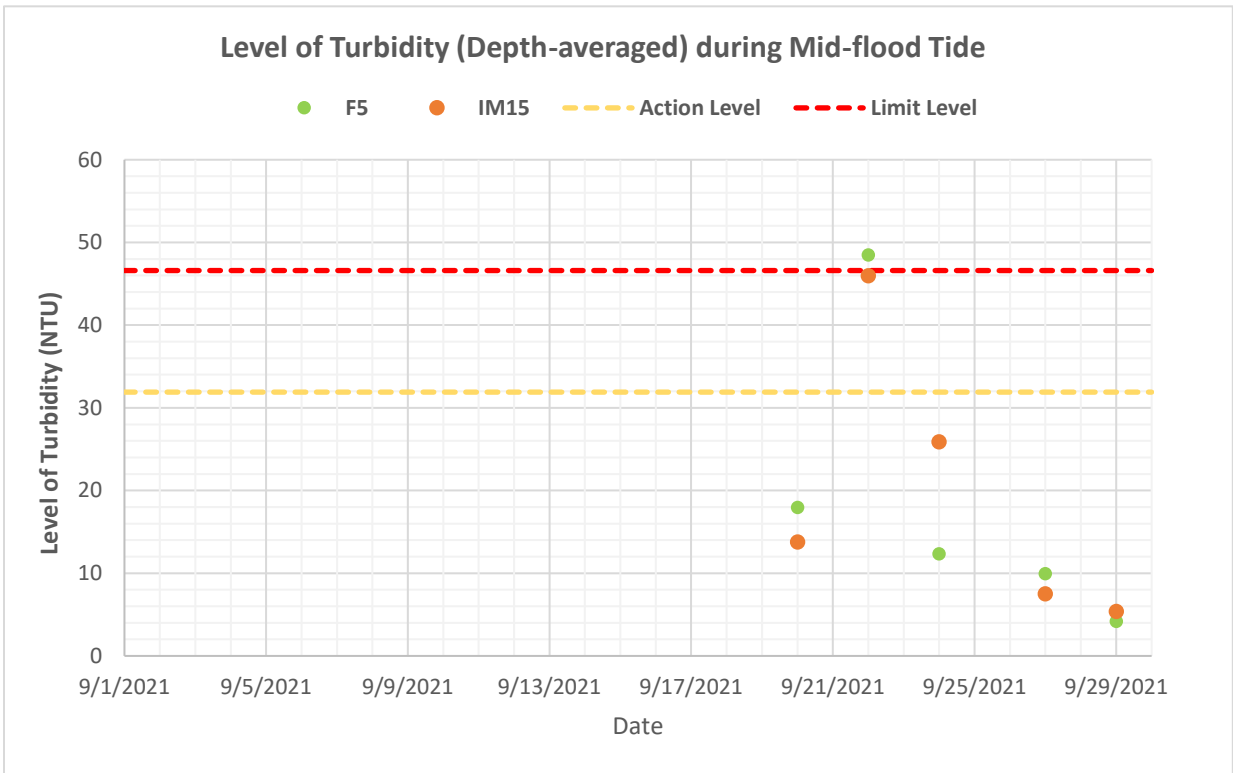


Figure G3e: Levels of Depth-averaged Turbidity (NTU) at control station (F5) and impact station (IM15) under Group 5 during mid-flood tides in September 2021.

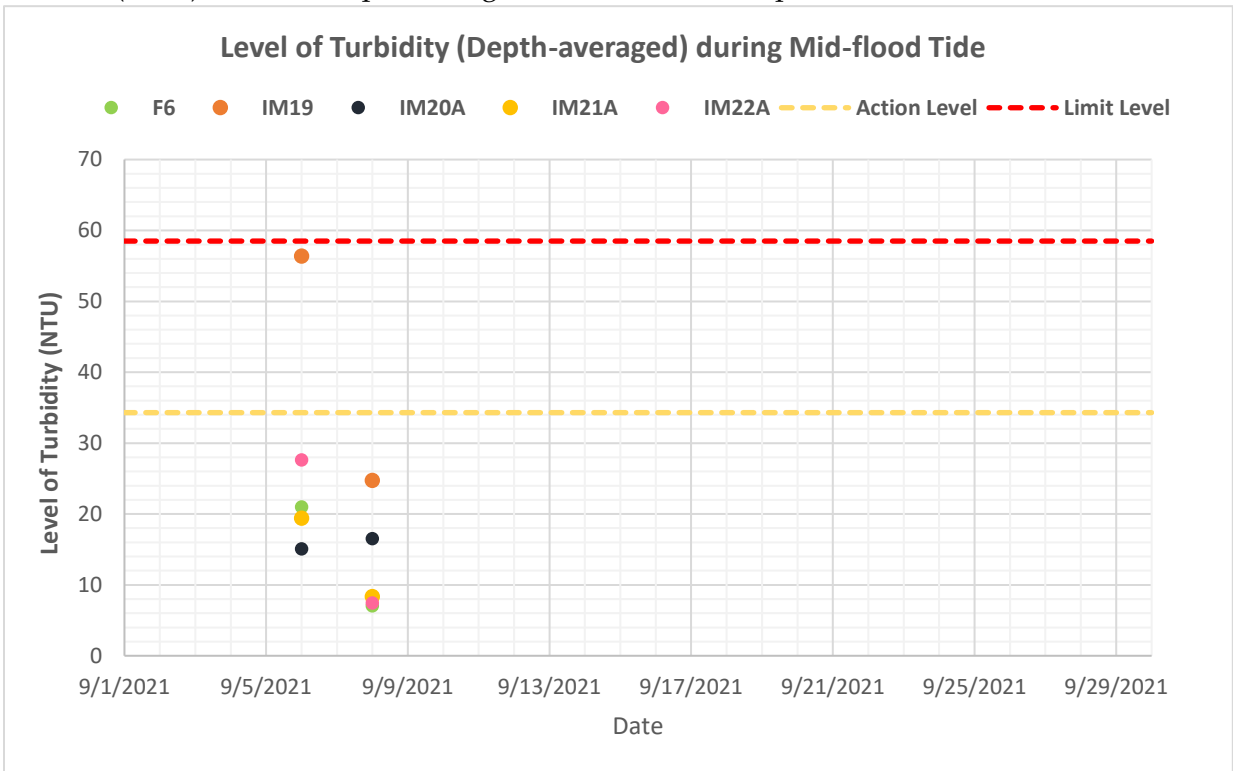


Figure G3f: Levels of Depth-averaged Turbidity (NTU) at control station (F6) and impact stations (IM19-IM22A) under Group 8 during mid-flood tides in September 2021.

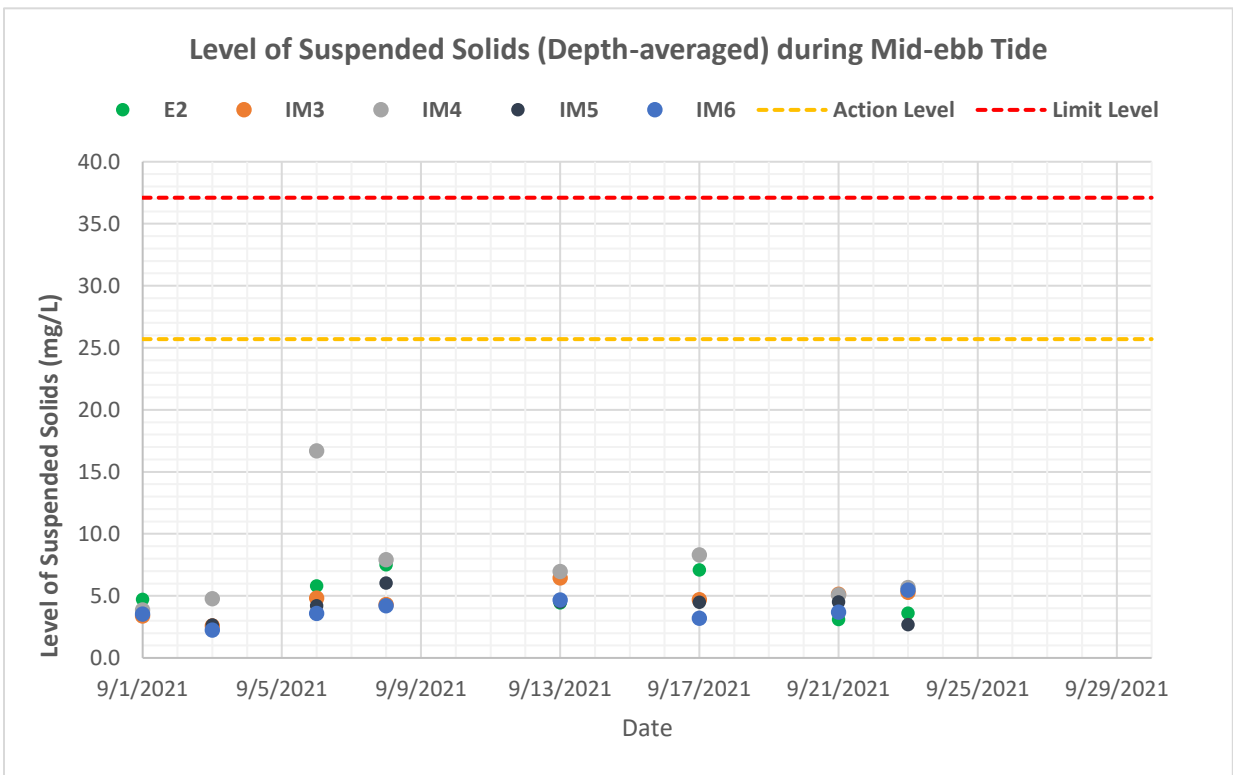


Figure G4a: Levels of Depth-averaged Suspended Solids (mg/L) at control station (E2) and impact stations (IM3-IM6) under Group 2 during mid-ebb tides in September 2021.

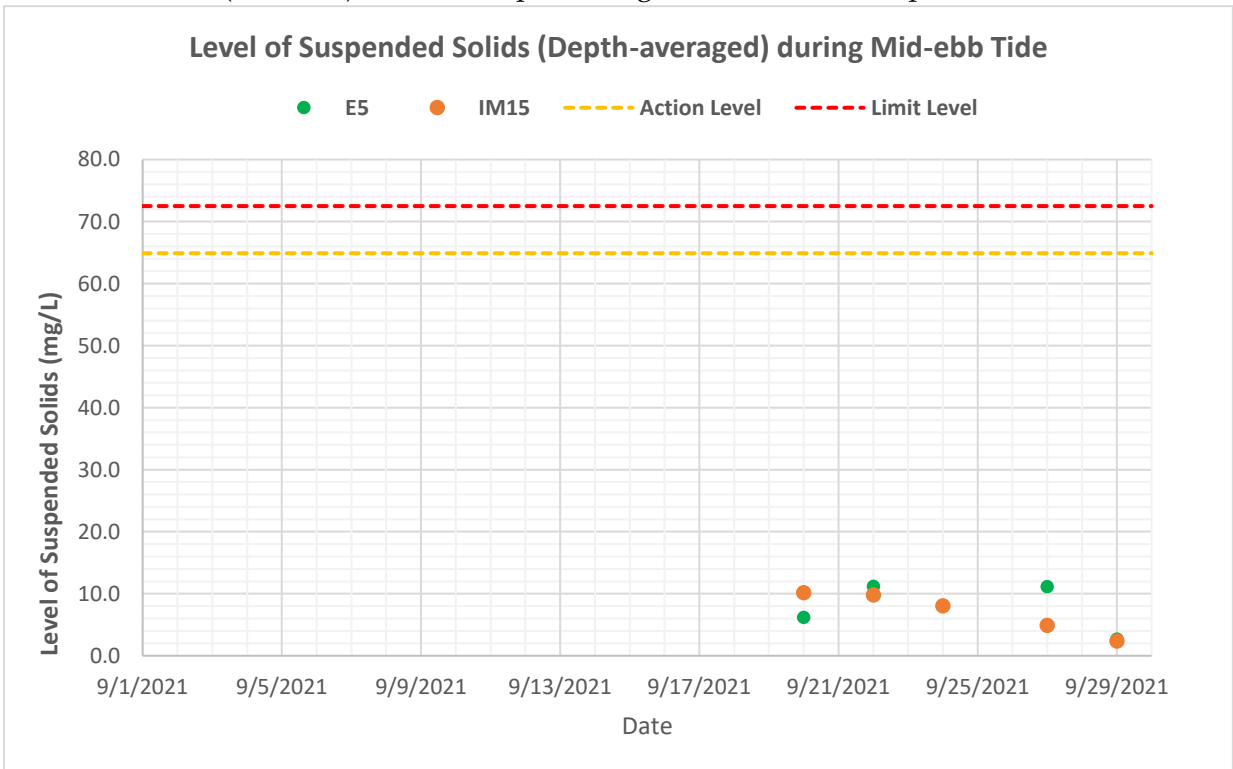


Figure G4b: Levels of Depth-averaged Suspended Solids (mg/L) at control station (E5) and impact station (IM15) under Group 5 during mid-ebb tides in September 2021.

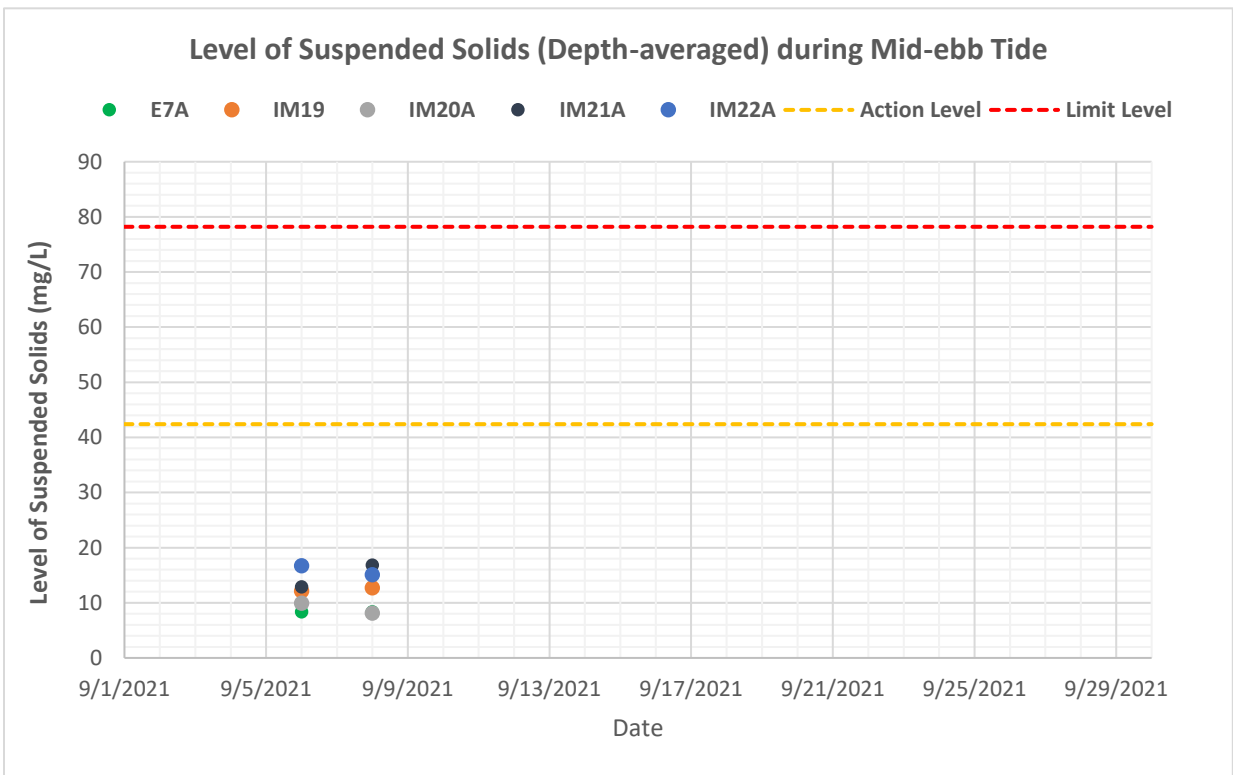


Figure G4c: Levels of Depth-averaged Suspended Solids (mg/L) at control station (E7A) and impact stations (IM19-IM22A) under Group 8 during mid-ebb tides in September 2021.

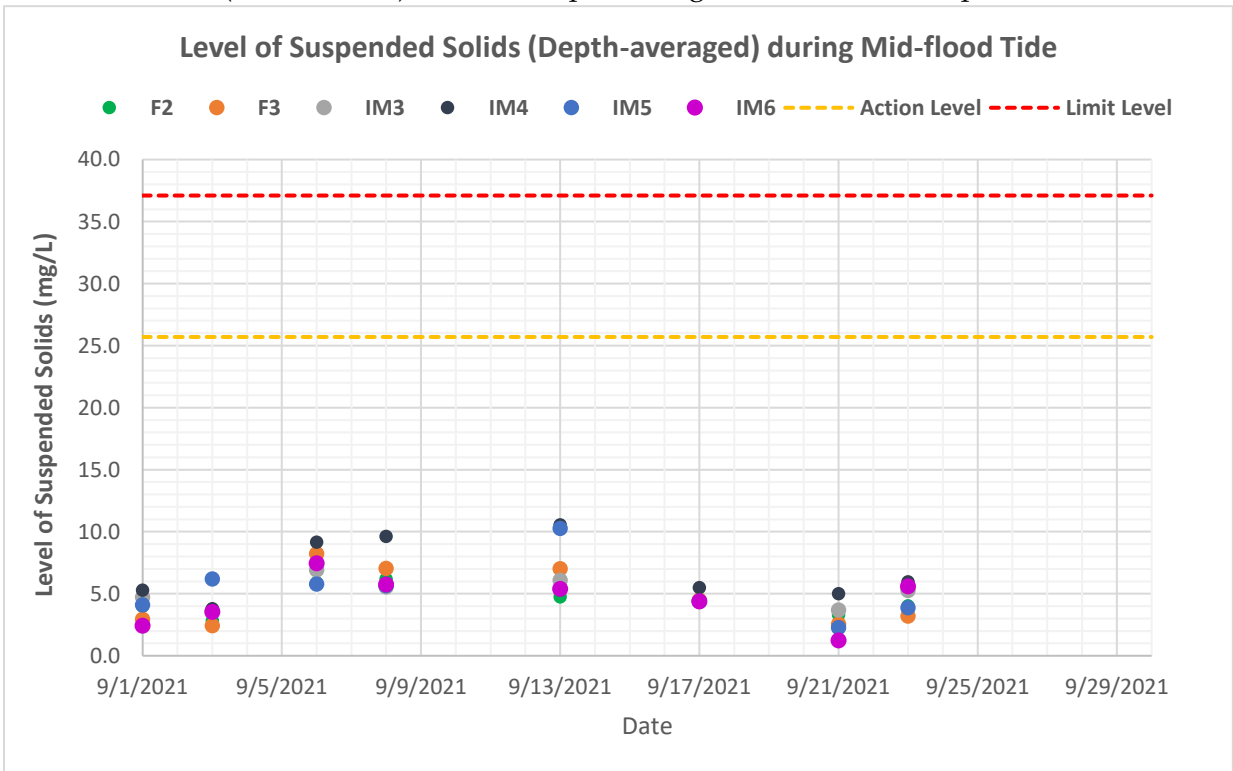


Figure G4d: Levels of Depth-averaged Suspended Solids (mg/L) at control stations (F2-F3) and impact stations (IM3-IM6) under Group 2 during mid-flood tides in September 2021.

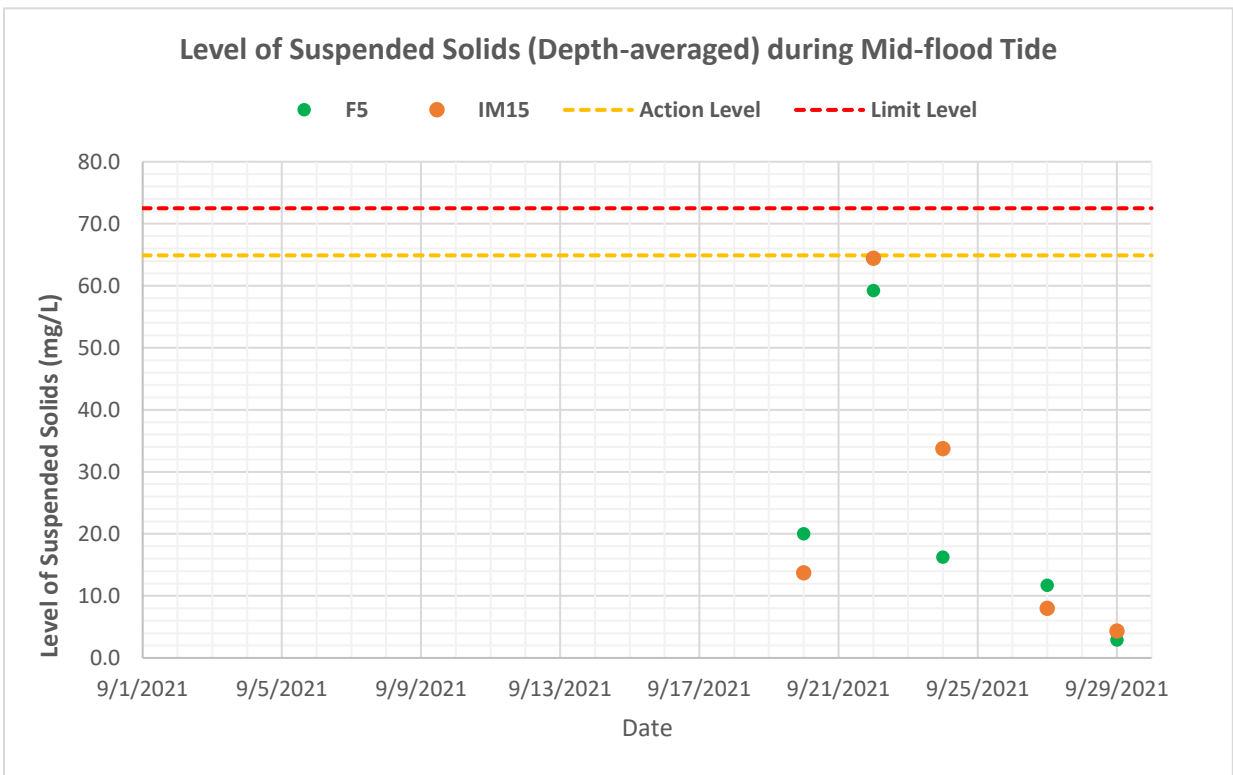


Figure G4e: Levels of Depth-averaged Suspended Solids (mg/L) at control station (F5) and impact station (IM15) under Group 5 during mid-flood tides in September 2021.

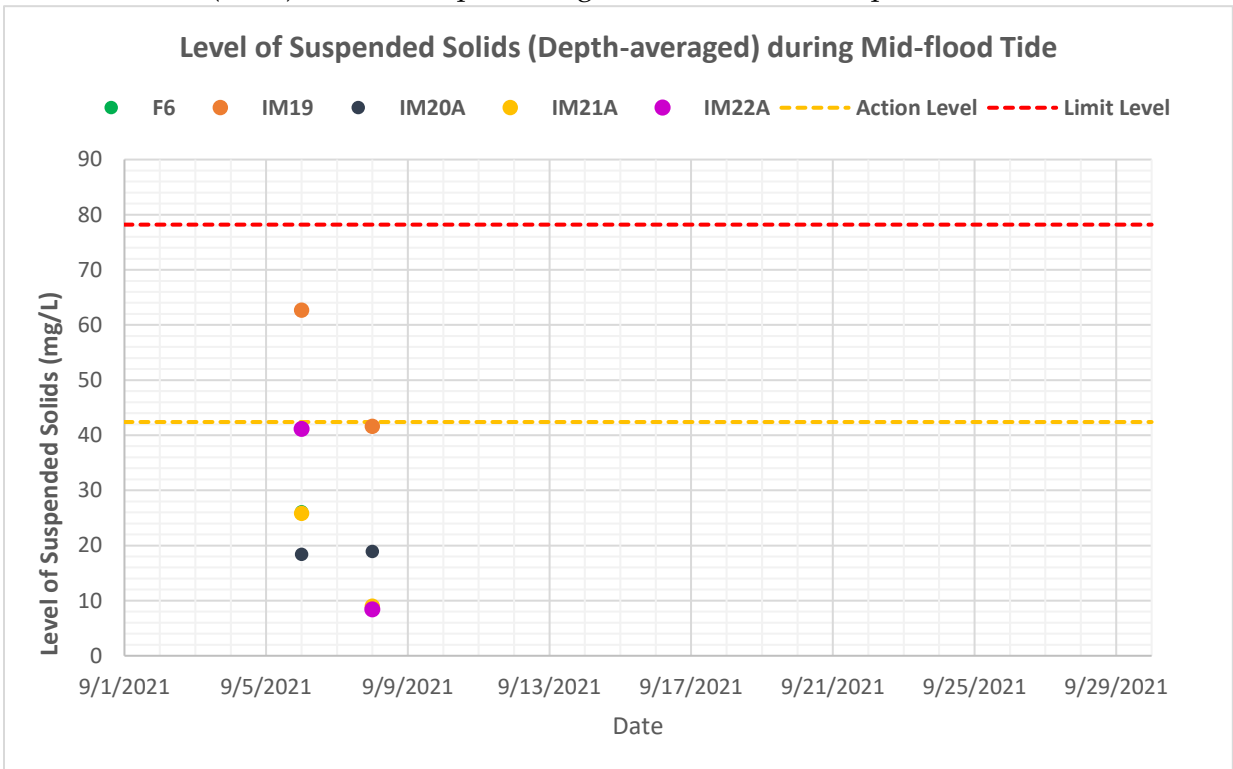


Figure G4f: Levels of Depth-averaged Suspended Solids (mg/L) at control station (F6) and impact stations (IM19-IM22A) under Group 8 during mid-flood tides in September 2021.