

## **ANNEX G**

### **CONSTRUCTION PHASE MARINE WATER QUALITY MONITORING RESULTS**

Water Quality Monitoring Data Log Sheet

Date: 2021/04/23

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	DA*	Value	Average	DA*	Value	Average	DA*		
E3	Fine	Calm	09:24	17.0	S	1.05	48	24.40	24.41	27.14	27.17	8.21	8.21	122.3	122.3	8.75	8.75	7.99	2.4	2.4	5.9	3.1	2.7	7.1		
						1.05	48	24.41	27.20	27.17	8.21	8.21	122.3	122.3	8.75	8.75	7.99	2.4	2.4	2.4						
						0.72	222	23.33	23.34	33.78	33.76	8.12	8.11	102.8	103.0	7.22	7.23	5.4	5.2	6.4						
					M	0.31	263	23.34	23.34	33.74	33.74	8.10	8.10	103.1	103.1	7.24	7.24	5.0	5.0	5.0	5.0	5.0	4.3	5.3	5.9	6.7
						0.51	184	23.18	23.18	34.05	34.06	8.16	8.15	99.4	99.2	6.98	6.97	6.97	9.7	10.0	12.3					
						1.00	208	23.18	23.18	34.06	34.06	8.14	8.15	98.9	99.2	6.95	6.97	6.97	10.3	10.0	13.4					
IM6	Fine	Calm	10:39	16.1	S	0.15	38	24.67	24.60	33.66	33.67	8.14	8.15	123.6	124.7	8.48	8.57	7.83	1.7	1.7	4.3	3.3	2.9	6.7		
						0.89	184	24.53	24.60	33.68	33.68	8.15	8.15	125.8	125.8	8.65	8.57	7.83	1.6	1.7		2.5				
						0.36	123	23.25	23.26	34.24	34.24	8.09	8.09	100.8	101.2	7.07	7.09	7.09	2.8	2.7		5.3				
					M	0.87	144	23.26	23.26	34.24	34.24	8.09	8.09	101.5	101.5	7.11	7.11	7.09	2.5	2.7	4.7					
						0.51	161	23.13	23.13	34.23	34.23	8.08	8.08	98.8	98.6	6.94	6.93	6.93	8.4	8.6	12.9					
						0.51	161	23.13	23.13	34.23	34.23	8.08	8.08	98.4	98.6	6.91	6.93	6.93	8.7	8.6	11.6					
IM7	Fine	Calm	10:11	12.8	S	0.71	330	24.41	24.43	30.21	30.36	8.18	8.18	124.9	125.2	8.78	8.79	7.91	1.6	1.6	4.8	2.8	2.4	6.8		
						0.92	101	24.45	24.43	30.50	30.36	8.18	8.18	125.4	125.2	8.80	8.79	7.91	1.6	1.6		2.0				
						0.39	261	23.14	23.14	34.22	34.22	8.09	8.09	100.0	100.0	7.02	7.02	7.02	4.4	4.4		6.0				
					M	0.94	204	23.14	23.14	34.22	34.22	8.09	8.09	100.0	100.0	7.02	7.02	7.02	4.4	4.4	6.3					
						1.27	152	23.12	23.12	34.22	34.22	8.09	8.09	100.2	99.8	7.04	7.01	7.01	8.1	8.3	12.7					
						1.27	152	23.12	23.12	34.22	34.22	8.09	8.09	99.3	99.8	6.98	7.01	7.01	8.5	8.3	11.0					
IM8	Fine	Calm	10:22	14.8	S	0.32	169	24.42	24.44	31.26	31.46	8.17	8.17	126.4	127.2	8.83	8.88	8.07	2.0	1.9	4.8	3.2	3.5	6.3		
						0.66	153	24.46	24.44	31.66	31.46	8.17	8.17	128.0	127.2	8.92	8.88	8.07	1.7	1.9		3.8				
						0.21	354	23.29	23.29	34.11	34.12	8.10	8.10	103.3	103.6	7.24	7.26	7.26	2.6	2.4		3.3				
					M	0.95	352	23.28	23.29	34.12	34.12	8.10	8.10	103.8	103.6	7.28	7.26	7.26	2.2	2.4	3.1					
						0.81	124	23.15	23.15	34.22	34.22	8.09	8.09	99.4	99.3	6.98	6.97	6.97	10.4	10.2	12.8					
						0.81	124	23.15	23.15	34.22	34.22	8.09	8.09	99.1	99.3	6.96	6.97	6.97	9.9	10.2	11.5					
IM9	Fine	Calm	09:49	15.0	S	0.40	189	24.60	24.53	25.30	25.96	8.23	8.23	123.2	127.7	8.88	9.18	8.12	1.9	1.9	4.1	3.3	3.4	5.7		
						0.71	106	24.46	24.53	26.62	25.96	8.22	8.23	132.2	127.7	9.48	9.18	8.12	1.9	1.9		3.4				
						0.22	251	23.12	23.12	34.09	34.11	8.10	8.10	100.4	100.5	7.06	7.07	7.07	4.3	4.0		5.6				
					M	0.62	22	23.11	23.12	34.12	34.12	8.09	8.10	100.5	100.5	7.07	7.07	7.07	3.7	4.0	5.2					
						0.85	89	23.07	23.07	34.20	34.20	8.10	8.10	100.3	99.8	7.05	7.02	7.02	6.6	6.5	8.0					
						0.81	293	23.07	23.07	34.20	34.20	8.09	8.10	99.3	99.8	6.98	7.02	7.02	6.4	6.5	8.6					

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: 2021/04/23

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	DA*	Value	Average	DA*	Value	Average	DA*			
F3	Fine	Calm	15:04	17.9	S	0.71	108	25.60	25.64	29.34	29.30	8.30	8.31	135.9	139.3	9.41	9.64	8.31	1.4	1.5	5.1	3.2	2.9	7.0			
						0.71	108	25.67	29.26	29.30	8.31	8.31	142.6	139.3	9.86	9.64	8.31	1.5	1.5	5.1	2.6	2.9					
					M	0.15	78	23.18	23.19	34.20	34.20	8.15	8.15	99.4	99.4	6.98	6.98	8.31	3.7	3.7	5.1	3.0	3.6		3.7		
						0.37	238	23.19	23.19	34.20	34.20	8.15	8.15	99.3	99.4	6.97	6.98	8.31	3.7	3.7	5.1	4.2	3.6			3.7	
					B	0.44	69	23.10	23.10	34.20	34.20	8.15	8.15	96.8	96.7	6.80	6.80	6.79	6.79	6.79	9.7	10.2	5.1		13.9		14.6
						0.59	255	23.10	23.10	34.20	34.20	8.14	8.15	96.5	96.7	6.78	6.79	6.79	10.7	10.2	5.1	15.2	14.6		10.2		
IM6	Fine	Calm	14:51	16.2	S	1.58	162	25.40	25.45	29.96	29.88	8.30	8.31	116.0	129.3	8.03	8.95	8.04	1.7	1.6	8.04	3.1	3.4	3.7			
						0.40	42	25.49	29.79	29.88	8.31	8.31	142.6	129.3	9.86	8.95	8.04	1.5	1.6	8.04		3.6	3.4		3.7		
					M	0.62	360	23.22	23.23	34.19	34.19	8.16	8.16	101.5	101.8	7.12	7.14	8.04	2.9		2.8	8.04	3.2	3.5		2.8	
						0.35	256	23.24	23.23	34.18	34.19	8.16	8.16	102.0	101.8	7.15	7.14	8.04	2.6	2.8	8.04		3.7	3.5	2.8		
					B	0.13	322	23.15	23.16	34.19	34.19	8.15	8.15	99.6	99.6	7.00	7.00	7.00	6.7	6.7		7.00	6.5	6.2		6.7	
						0.74	117	23.16	23.16	34.19	34.19	8.15	8.15	99.6	99.6	6.99	7.00	7.00	6.7	6.7	7.00		5.8	6.2	6.7		
IM7	Fine	Calm	14:24	13.0	S	0.46	332	25.06	25.04	30.52	30.55	8.28	8.29	136.8	137.7	9.49	9.56	8.63	1.8	1.9		8.63	3.0	3.2		3.6	
						0.65	293	25.01	25.04	30.58	30.55	8.29	8.29	138.6	137.7	9.62	9.56		8.63	1.9	1.9		8.63	3.4	3.2		3.6
					M	0.39	300	23.48	23.46	33.79	33.76	8.19	8.20	108.7	110.0	7.61	7.70	110.0		1.9	1.9	110.0		3.3	3.2	1.9	
						0.20	332	23.44	23.46	33.73	33.76	8.20	8.20	111.2	110.0	7.79	7.70		110.0	1.9	1.9		110.0	3.0	3.2		1.9
					B	0.96	354	23.16	23.16	34.21	34.21	8.16	8.16	98.9	98.7	6.94	6.93	98.7		6.8	6.9	6.93		11.1	11.4	6.9	
						0.96	354	23.15	23.16	34.21	34.21	8.16	8.16	98.4	98.7	6.91	6.93		98.7	7.0	6.9		6.93	11.6	11.4		6.9
IM8	Fine	Calm	14:35	14.9	S	0.63	112	24.56	24.49	31.06	31.26	8.30	8.30	143.3	145.1	10.00	10.13	8.76		1.9	2.0	8.76		2.4	2.7	4.8	
						0.63	112	24.42	24.49	31.45	31.26	8.30	8.30	146.9	145.1	10.25	10.13		8.76	2.0	2.0		8.76	3.0	2.7		4.8
					M	0.47	260	23.41	23.42	33.92	33.92	8.19	8.19	100.6	105.5	7.05	7.39	105.5		4.9	3.5	105.5		3.2	2.9	3.5	
						0.69	318	23.42	23.42	33.91	33.92	8.19	8.19	110.3	105.5	7.72	7.39		105.5	2.1	3.5		105.5	2.6	2.9		3.5
					B	0.42	189	23.14	23.14	34.19	34.19	8.16	8.16	99.7	99.0	7.00	6.95	99.0		8.4	8.8	6.95		11.9	11.3	6.95	
						0.64	302	23.14	23.14	34.19	34.19	8.15	8.16	98.2	99.0	6.90	6.95		99.0	9.2	8.8		6.95	10.7	11.3		6.95
IM9	Fine	Calm	14:03	14.9	S	0.43	107	24.60	24.59	30.82	30.84	8.27	8.27	121.8	127.6	8.51	8.91	8.15		2.3	2.1	8.15		4.1	4.5	3.9	
						0.43	107	24.57	24.59	30.85	30.84	8.27	8.27	133.3	127.6	9.31	8.91		8.15	1.9	2.1		8.15	4.8	4.5		3.9
					M	0.69	283	23.34	23.34	33.84	33.84	8.19	8.19	105.3	105.4	7.39	7.40	105.4		3.8	3.9	105.4		5.5	5.3	3.9	
						1.01	242	23.34	23.34	33.84	33.84	8.18	8.19	105.5	105.4	7.40	7.40		105.4	3.9	3.9		105.4	5.0	5.3		3.9
					B	0.13	163	23.13	23.12	34.07	34.09	8.21	8.20	102.0	100.3	7.17	7.05	100.3		5.7	5.8	7.05		8.9	9.4	5.8	
						0.09	245	23.11	23.12	34.10	34.09	8.19	8.20	98.5	100.3	6.93	7.05		100.3	5.9	5.8		7.05	9.8	9.4		5.8

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: 2021/04/28

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*
E3	Cloudy	Moderate	12:13	17.3	S	0.65	125	23.96	23.89	33.45	33.52	8.12	8.12	104.0	104.0	7.23	7.24	7.18	7.7	7.6	6.5	9.4	9.3	7.8
						0.62	150	23.82		33.59		8.12		103.9		7.24			7.4			9.2		
						0.48	111	23.65		33.86		8.09		101.9		7.11			5.4			6.9		
					M	0.52	117	23.65	33.87	8.09	102.1	7.12	5.3	7.1										
						B	0.15	77	23.54	34.22	8.03	99.1	6.91	6.6	6.7									
							0.15	77	23.54	34.24	8.05	99.2	6.92	6.6	7.1									
IM6	Cloudy	Moderate	13:51	15.1	S	0.17	87	24.07	24.09	33.53	33.50	8.19	8.19	113.2	114.4	7.85	7.94	7.48	1.4	1.3	4.8	1.7	1.6	5.7
						0.47	123	24.11		33.47		8.19		115.6		8.02			1.2			1.4		
						0.32	134	23.61		34.81		8.15		100.8		7.00			2.7			2.5		
					M	0.46	101	23.61	34.81	8.15	101.3	7.03	2.3	3.2										
						B	0.06	149	23.52	34.89	8.13	98.8	6.87	9.7	12.1									
							0.36	130	23.52	34.89	8.14	97.8	6.80	11.4	13.3									
IM7	Cloudy	Moderate	13:14	12.2	S	0.31	141	24.18	24.20	33.46	33.47	8.17	8.17	114.5	114.4	7.93	7.92	7.61	1.6	1.7	3.9	2.7	2.6	5.4
						0.28	67	24.22		33.47		8.17		114.3		7.91			1.7			2.4		
						0.27	92	23.83		34.28		8.15		104.7		7.26			2.5			4.3		
					M	0.20	70	23.85	34.25	8.15	105.9	7.35	2.2	3.4										
						B	0.33	164	23.52	34.83	8.12	98.1	6.82	7.3	10.5									
							0.33	164	23.52	34.82	8.13	97.3	6.77	8.0	9.9									
IM8	Cloudy	Moderate	13:32	13.3	S	0.19	100	24.10	24.11	33.44	33.42	8.19	8.19	115.3	116.3	8.00	8.07	7.65	1.7	1.6	3.1	1.6	1.8	4.0
						0.25	110	24.11		33.39		8.19		117.2		8.13			1.4			1.9		
						0.49	118	23.73		34.58		8.16		103.9		7.21			2.0			2.1		
					M	0.36	105	23.73	34.58	8.16	104.4	7.24	2.3	2.4										
						B	0.43	110	23.61	34.73	8.14	99.5	6.91	5.6	7.7									
							0.22	130	23.61	34.71	8.14	99.5	6.91	5.3	8.5									
IM9	Cloudy	Moderate	12:48	14.0	S	0.70	141	23.94	23.95	33.92	33.92	8.18	8.19	111.4	112.5	7.73	7.81	7.40	3.9	3.9	5.8	4.2	3.8	7.2
						0.84	122	23.96		33.91		8.19		113.6		7.88			3.8			3.4		
						0.59	131	23.57		34.41		8.12		100.3		6.98			5.3			6.2		
					M	0.62	117	23.56	34.46	8.13	100.5	7.00	5.1	7.4										
						B	0.33	101	23.49	34.74	8.11	99.0	6.89	8.3	11.4									
							0.38	126	23.50	34.70	8.11	98.4	6.85	8.4	10.4									

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								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		
F3	Cloudy	Moderate	20:12	17.4	S	0.38	295	24.31	24.32	33.33	33.31	8.21	8.21	115.9	117.9	8.02	8.16	7.52	1.9	1.9	6.4	2.3	2.8	7.4		
						0.38	295	24.32		33.29		8.21		119.9		8.30			1.9			3.2				
					M	0.60	288	23.54	23.54	34.56	34.56	8.12	8.12	98.6	99.0	6.86	6.89	4.1	3.8	3.4		3.7				
						0.43	271	23.54		34.56		8.12		99.3		6.91		3.5		3.9						
					B	0.57	254	23.49	23.49	34.67	34.67	8.11	8.11	97.9	97.7	6.82	6.80	6.80	6.80	13.0		13.6	15.8		15.9	
						0.41	277	23.49		34.66		8.11		97.4		6.78		14.2		15.9						
IM6	Cloudy	Moderate	19:58	15.3	S	0.36	295	24.15	24.15	33.50	33.50	8.19	8.19	118.2	118.6	8.19	8.22	7.91	2.0	2.0	4.3	1.5	1.6	5.3		
						0.36	295	24.15		33.49		8.19		119.0		8.25			1.9			1.6				
					M	0.06	356	23.86	23.87	33.96	33.98	8.15	8.15	108.4	109.3	7.53	7.59		3.2	3.1		3.4	6.3			
						0.26	267	23.87		33.99		8.15		110.2		7.65			2.9			9.2				
					B	0.30	328	23.56	23.56	34.54	34.55	8.11	8.11	100.5	99.6	6.99	6.93		6.93	6.93		7.5	7.8		6.4	8.0
						0.30	328	23.55		34.55		8.11		98.7		6.87			8.0			9.6				
IM7	Cloudy	Moderate	19:26	12.1	S	0.52	307	24.15	24.15	33.43	33.44	8.16	8.16	119.4	119.8	8.28	8.31	8.08	1.3	1.4	4.8	1.9	1.8	6.2		
						0.52	307	24.15		33.44		8.16		120.2		8.33			1.5			1.7				
					M	0.53	324	23.97	23.97	33.60	33.60	8.14	8.15	111.2	113.0	7.73	7.86		2.1	2.0		1.9	1.9			
						0.72	284	23.97		33.59		8.15		114.8		7.98			1.8			1.8				
					B	0.61	297	23.59	23.59	34.29	34.29	8.09	8.09	101.0	100.5	7.04	7.01		7.01	7.01		10.7	11.0		14.4	14.8
						0.61	297	23.59		34.29		8.09		100.0		6.97			11.2			15.2				
IM8	Cloudy	Moderate	19:38	13.4	S	0.28	235	24.12	24.12	33.44	33.44	8.18	8.18	120.6	120.9	8.37	8.39	8.26	1.5	1.4	5.0	2.0	1.9	7.1		
						0.41	340	24.12		33.44		8.18		121.1		8.40			1.3			1.7				
					M	0.42	255	24.14	24.14	33.57	33.57	8.18	8.18	115.9	117.3	8.03	8.13		2.5	2.4		1.9	2.0			
						0.23	254	24.14		33.56		8.18		118.6		8.22			2.0			2.0				
					B	0.41	323	23.58	23.58	34.39	34.40	8.10	8.10	100.8	100.2	7.02	6.98		6.98	6.98		11.6	11.3		17.9	17.4
						0.41	323	23.58		34.40		8.10		99.5		6.93			11.0			16.8				
IM9	Cloudy	Moderate	18:56	13.2	S	0.70	295	23.93	23.93	33.61	33.61	8.08	8.09	111.2	111.3	7.73	7.74	7.64	3.4	3.4	13.9	3.1	3.1	21.5		
						0.70	295	23.93		33.61		8.09		111.4		7.75			3.3			3.0				
					M	0.78	314	23.87	23.88	33.66	33.66	8.06	8.07	108.0	108.3	7.51	7.53		7.0	6.4		9.0	8.7			
						0.59	296	23.88		33.66		8.07		108.5		7.55			5.8			8.4				
					B	0.93	303	23.83	23.83	33.70	33.70	8.04	8.05	105.9	106.1	7.37	7.39		7.39	7.39		32.4	32.1		54.2	52.7
						0.87	291	23.83		33.70		8.05		106.3		7.40			31.7			51.1				

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: 2021/04/28

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*
E6	Cloudy	Calm	12:19	6.8	S	0.40	180	24.61	24.64	25.98	25.90	8.09	8.09	86.5	87.2	6.21	6.26	6.22	9.3	9.0	12.1	10.1	11.0	15.2
						0.40	180	24.67		25.82		8.08		86.5		6.31			8.6					
						0.62	179	24.49		27.08		8.12		86.5		6.18			11.9					
					M	0.59	151	24.49	27.10	8.11	86.5	6.18	11.3	12.6										
						1.52	134	24.39	28.38	8.16	86.4	6.14	16.4	14.9										
						0.73	117	24.39	28.36	8.15	86.2	6.11	15.0	28.9										
IM17	Cloudy	Calm	12:43	6.0	S	0.60	234	24.49	24.49	27.22	27.22	8.09	8.09	91.8	91.5	6.56	6.54	6.60	17.4	16.3	21.3	15.1	15.6	24.1
						0.48	19	24.48		27.22		8.09		91.1		6.51			15.2					
						0.84	179	24.26		28.93		8.14		93.7		6.65			23.7					
					M	0.84	179	24.26	28.90	8.14	93.8	6.66	22.1	28.9										
						0.38	221	24.25	29.13	8.15	93.5	6.63	23.7	30.1										
						0.49	108	24.25	29.12	8.15	93.9	6.66	25.8	27.4										
IM18	Cloudy	Calm	13:03	17.8	S	0.80	242	24.83	24.83	26.79	26.80	8.07	8.07	90.1	90.1	6.41	6.41	6.43	5.8	5.8	21.0	9.2	10.0	23.8
						1.29	125	24.83		26.80		8.06		90.1		6.41			5.8					
						0.60	124	24.62		27.09		8.08		90.4		6.45			11.7					
					M	1.02	188	24.61	27.09	8.07	90.4	6.45	10.6	11.3										
						0.78	194	24.33	28.99	8.08	87.5	6.20	46.0	57.8										
						0.78	194	24.33	28.86	8.08	87.5	6.21	46.0	41.8										
IM19	Cloudy	Calm	13:18	18.2	S	0.62	199	24.86	24.86	26.17	26.18	8.06	8.06	88.7	88.7	6.33	6.33	6.36	5.4	5.4	8.8	5.1	5.6	10.5
						0.62	199	24.86		26.18		8.06		88.7		6.33			5.3					
						0.57	19	24.67		26.61		8.07		89.3		6.38			5.9					
					M	0.66	193	24.67	26.61	8.07	89.6	6.40	6.0	6.6										
						1.26	109	24.38	28.65	8.08	87.9	6.24	14.8	20.2										
						0.36	140	24.38	28.67	8.08	87.7	6.22	15.3	18.7										

Remark: \* DA: Depth-Averaged

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

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

Water Quality Monitoring Data Log Sheet

Date: 2021/04/28

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*
E5	Cloudy	Calm	21:14	6.3	S	0.55	328	24.52	24.53	27.59	27.60	8.02	8.02	89.3	89.4	6.36	6.37	6.36	23.1	22.8	31.0	25.9	26.6	37.1
						0.55	328	24.53		27.60		8.02		89.5		6.37			22.5					
						1.27	56	24.54	27.97	8.02	89.3	6.34	33.2											
					M	0.95	30	24.53	27.72	8.02	89.2	6.35	28.3											
						B	0.89	278	24.54	28.12	28.15	8.02	89.5	6.35	6.35	39.5								
							0.99	357	24.53	28.17		8.02	89.5	6.35	39.5									
F6	Cloudy	Calm	21:38	14.2	S	0.39	337	24.69	24.69	26.05	26.05	7.99	7.99	89.2	89.4	6.39	6.40	6.28	6.2	6.0	18.0	10.7	10.8	19.7
						0.39	337	24.68		26.04		7.99		89.5		6.41			5.8					
						0.35	311	24.69	27.09	8.00	86.4	6.15	13.3											
					M	0.36	336	24.68	27.14	8.00	86.4	6.15	13.0											
						B	0.89	282	24.43	28.57	28.57	8.02	86.1	6.11	6.11	33.1								
							0.71	352	24.43	28.57		8.02	86.0	6.10	36.5									
IM17	Cloudy	Calm	20:42	4.8	S	1.01	354	24.73	24.73	24.40	24.40	7.95	7.95	86.2	86.2	6.23	6.23	6.23	21.7	20.9	39.6	28.9	28.0	66.6
						1.01	354	24.73		24.39		7.95		86.2		6.23			20.0					
						0.81	334	24.71	24.95	7.94	90.0	6.49	55.7											
					B	0.54	312	24.73	24.84	7.95	85.5	6.16	61.1											
						S	0.55	275	24.95	23.99	23.99	7.95	84.9	6.13	6.15	6.05	8.0							
							0.55	275	24.95	23.98		7.94	85.3	6.16			7.9							
IM18	Cloudy	Calm	20:18	16.9	M	1.56	333	24.57	24.57	27.54	27.53	7.99	7.99	83.7	83.7	5.96	5.96	5.90	14.4	14.6	136.0	19.6	19.3	159.4
						1.31	359	24.57		27.51		7.99		83.7		5.96			14.7					
						1.41	316	24.44	28.39	8.00	83.2	5.91	370.0											
					B	0.53	115	24.44	28.40	8.00	83.0	5.89	401.0											
						S	1.59	297	25.06	25.06	23.08	23.08	7.95	84.5	6.12	6.14	6.07	8.4						
							1.59	297	25.05	23.08		7.95	84.9	6.15	8.0									
IM19	Cloudy	Calm	19:35	16.8	M	1.15	335	24.85	24.86	26.25	26.27	7.99	7.99	84.1	84.2	6.00	6.01	6.03	9.5	9.3	25.0	5.7	5.9	18.0
						1.88	341	24.86		26.28		7.99		84.2		6.01			9.1					
						B	1.10	3	24.63	28.13	28.15	8.00	85.2	6.04	54.3									
					1.63		321	24.61	28.17	8.01		84.9	6.02	60.5										

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; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

Date: 2021/04/30

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*								
E6	Cloudy	Calm	13:49	6.7	S	0.59	110	24.91	24.92	25.91	25.90	7.99	7.99	88.5	88.5	6.32	6.32	6.29	7.4	7.4	14.4	7.5	7.9	15.0								
						0.59	110	24.93		25.89		7.99		88.5		6.32			7.4			8.3										
						0.98	175	24.42	24.42	27.36	8.02	87.5	6.25	9.4	9.2																	
					0.84	200	24.41	27.53		8.02	87.5	6.25	9.3	8.7																		
					B	0.77	29	24.48	24.48	28.02	8.02	85.6	6.09	26.5	26.6																	
						0.12	70	24.48		28.01	8.01	85.6	6.09	26.5	29.4																	
1.19	165	25.40	25.45	22.46		7.97	91.9	6.64	5.8	5.0																						
1.04	145	25.49		22.08	7.96	92.1	6.66	5.2	4.6																							
IM17	Cloudy	Calm	14:12	6.0	S	0.22	188	24.68	24.68	26.28	26.27	8.01	8.01	91.3	91.3	6.53	6.54	6.59	7.3	7.1	16.2	6.1	6.2	15.7								
						1.54	179	24.67		26.26		8.01		91.3		6.54			6.9			6.3										
						1.03	124	24.40	24.40	28.02	8.02	90.1	6.42	36.2	33.4																	
					0.55	32	24.39	28.13		8.02	89.8	6.39	35.6	38.6																		
					IM18	Cloudy	Calm	14:25	17.9	S	1.25	134	25.19	25.20	25.15	25.15	7.98		7.98	91.1		91.4	6.50		6.52	6.33	6.6	6.6	28.4	6.0	5.5	25.6
											0.76	254	25.20		25.14		7.98			91.6			6.54				6.5			5.0		
0.48	232	24.49	24.49	27.56							7.99	86.1	6.14	10.9	9.7																	
0.58	105	24.49		27.55						7.99	86.1	6.14	10.9	10.2																		
B	0.77	93	24.39	24.39						29.02	7.99	83.4	5.91	68.0	58.7																	
	0.77	93	24.39							29.03	7.98	83.1	5.88	67.2	64.0																	
	IM19	Cloudy	Calm	14:42	18.1	S	0.91	127	25.70	25.73	25.38	25.37	7.95	7.95	90.8	91.0	6.42	6.43	6.47	5.4	5.5	12.7	4.2	4.4	14.3							
0.97							94	25.75	25.36		7.94		91.1		6.43		5.5			4.6												
1.71							166	25.87	25.89	25.88	7.96	92.6	6.51	4.3	4.1																	
0.42						170	25.91	25.91		7.96	92.8	6.51	4.4	4.2																		
B						0.17	348	24.37	24.37	29.32	7.98	82.8	5.85	26.4	33.4																	
						0.17	348	24.37		29.33	7.98	82.3	5.82	29.9	35.4																	

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: 2021/04/30

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*
E5	Cloudy	Calm	08:18	6.5	S	1.44	343	24.33	24.33	24.85	24.90	7.93	7.93	88.7	88.7	6.44	6.44	6.34	5.0	4.9	15.6	4.2	4.5	13.9
						1.44	343	24.33		24.94		7.93		88.7		6.44			4.8					
					M	0.29	114	24.48	24.48	27.04	27.09	7.95	7.95	87.3	87.3	6.24	6.24	17.8	17.8	13.2		13.9		
						1.28	319	24.48		27.14		7.95		87.3		6.24		14.5						
					B	0.46	42	24.48	24.48	27.18	27.19	7.95	7.95	87.4	87.3	6.24	6.24	24.5	24.0	23.8		23.4		
						0.85	24	24.48		27.19		7.95		87.2		6.23		23.0						
F6	Cloudy	Calm	08:44	14.3	S	0.66	306	24.59	24.60	26.84	26.84	7.95	7.95	88.0	88.1	6.29	6.29	6.08	5.4	5.4	26.0	6.2	6.0	29.3
						0.95	337	24.60		26.84		7.95		88.1		6.29			5.3					
					M	0.82	261	24.35	24.36	29.45	29.40	7.96	7.96	83.1	83.2	5.87	5.88		26.2	24.4		27.7	25.9	
						0.82	261	24.36		29.35		7.96		83.2		5.88			22.6					
					B	0.99	300	24.33	24.33	29.60	29.60	7.96	7.96	83.1	83.0	5.87	5.86		48.8	48.4		57.0	56.1	
						1.07	332	24.33		29.60		7.96		82.8		5.85			47.9					
IM17	Cloudy	Calm	07:51	5.1	S	0.95	255	24.25	24.34	22.36	22.98	7.88	7.89	86.6	86.4	6.39	6.34	6.34	5.2	5.3	8.4	4.6	4.7	8.1
						0.40	302	24.42		23.59		7.89		86.1		6.29			5.3					
					B	1.04	359	24.49	24.49	25.26	25.24	7.91	7.91	85.3	85.1	6.16	6.15		12.3	11.6		11.6		
						1.07	325	24.49		25.22		7.90		84.9		6.13			10.9					
IM18	Cloudy	Calm	07:38	17.2	S	0.88	88	24.49	24.49	23.59	23.59	7.90	7.90	85.1	85.3	6.20	6.22	6.08	5.4	5.3	17.2	4.9	5.2	20.4
						0.88	88	24.49		23.59		7.89		85.4		6.23			5.1					
					M	0.65	15	24.56	24.56	27.35	27.44	7.95	7.95	83.5	83.5	5.95	5.95		5.8	5.7		6.6	6.1	
						0.65	15	24.56		27.53		7.95		83.4		5.94			5.6					
					B	0.69	255	24.35	24.35	29.29	29.29	7.96	7.96	83.2	82.6	5.89	5.84		40.0	40.7		47.4	49.9	
						0.43	268	24.35		29.29		7.96		81.9		5.79			41.3					
IM19	Cloudy	Calm	07:25	17.4	S	0.54	30	24.46	24.43	22.66	22.52	7.92	7.91	85.4	85.9	6.26	6.31	6.13	4.6	4.6	10.9	5.7	5.4	12.9
						0.42	82	24.40		22.37		7.90		86.3		6.35			4.5					
					M	1.30	282	24.73	24.74	27.11	27.04	7.97	7.97	83.5	83.6	5.94	5.95		6.6	6.5		6.4	7.0	
						1.30	282	24.74		26.97		7.96		83.6		5.95			7.5					
					B	0.77	98	24.48	24.49	28.94	28.91	8.02	8.02	83.4	83.3	5.90	5.90		22.4	21.6		27.4	26.4	
						0.79	63	24.49		28.87		8.01		83.2		5.89			20.7					

Remark: \* DA: Depth-Averaged

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

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

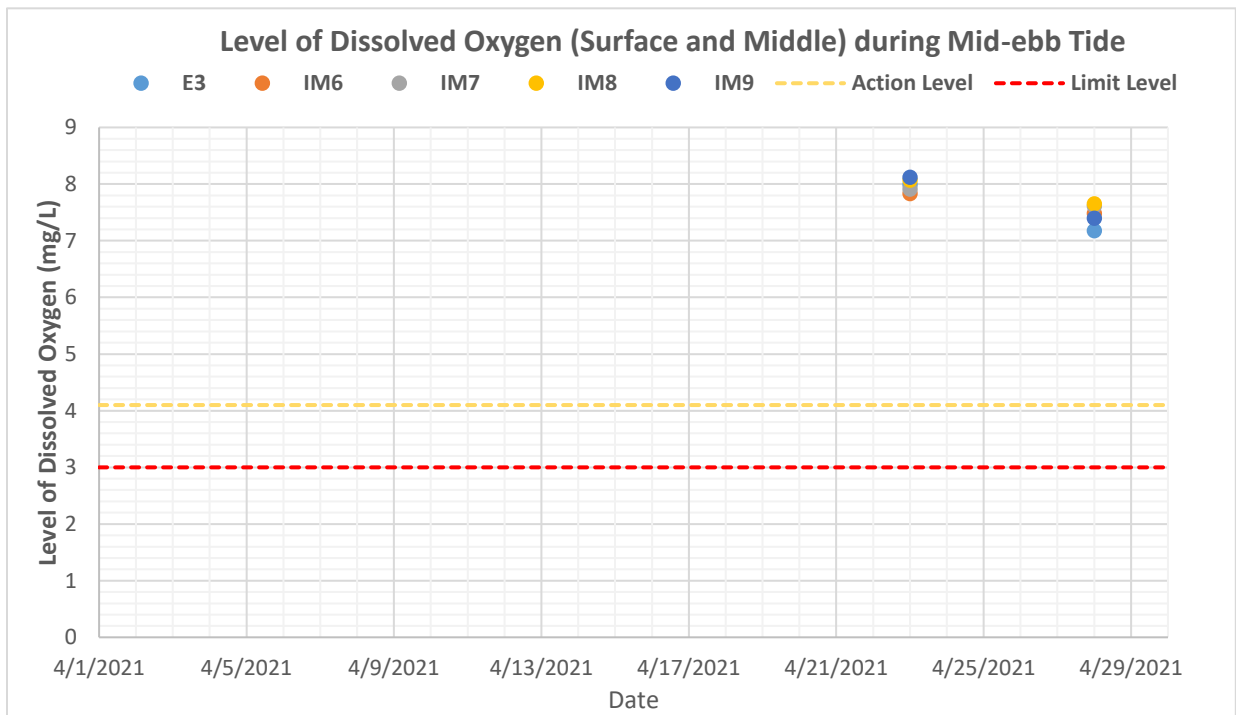


Figure G1a: Levels of Surface and Middle Dissolved Oxygen (mg/L) at control station (E3) and impact stations (IM6-IM9) under Group 3 during mid-ebb tides in April 2021.

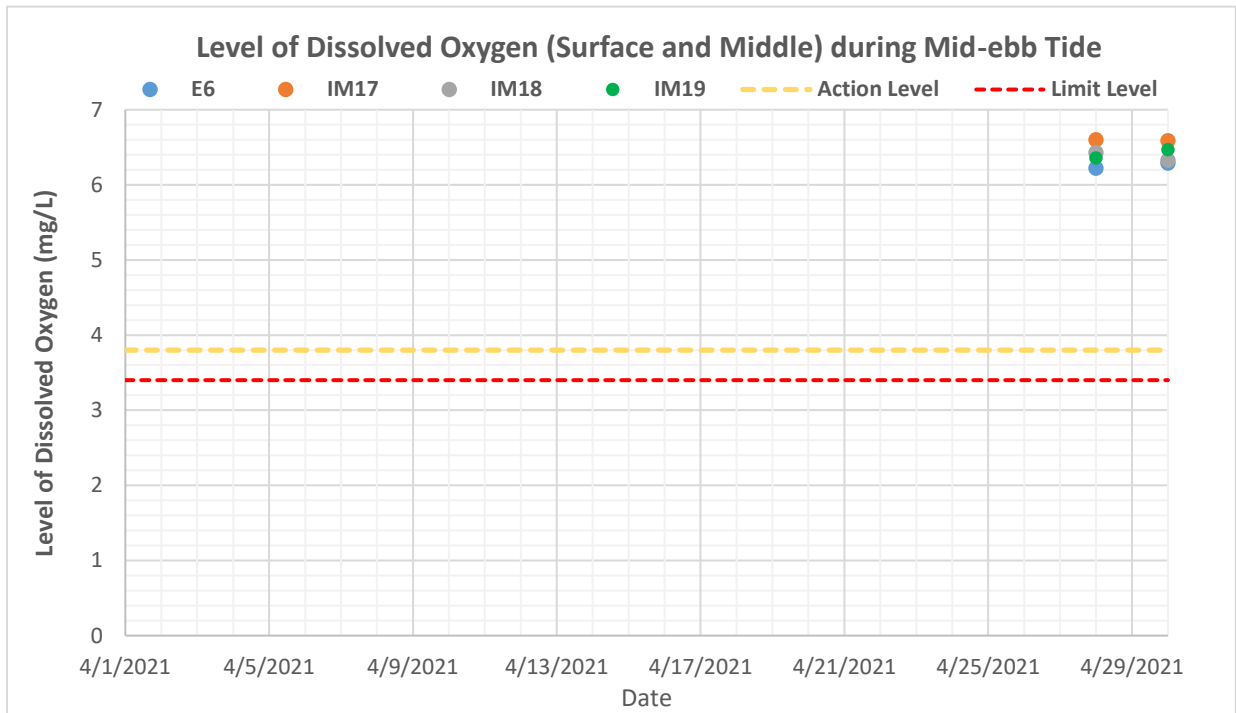


Figure G1b: Levels of Surface and Middle Dissolved Oxygen (mg/L) at control station (E6) and impact stations (IM17-IM19) under Group 7 during mid-ebb tides in April 2021.

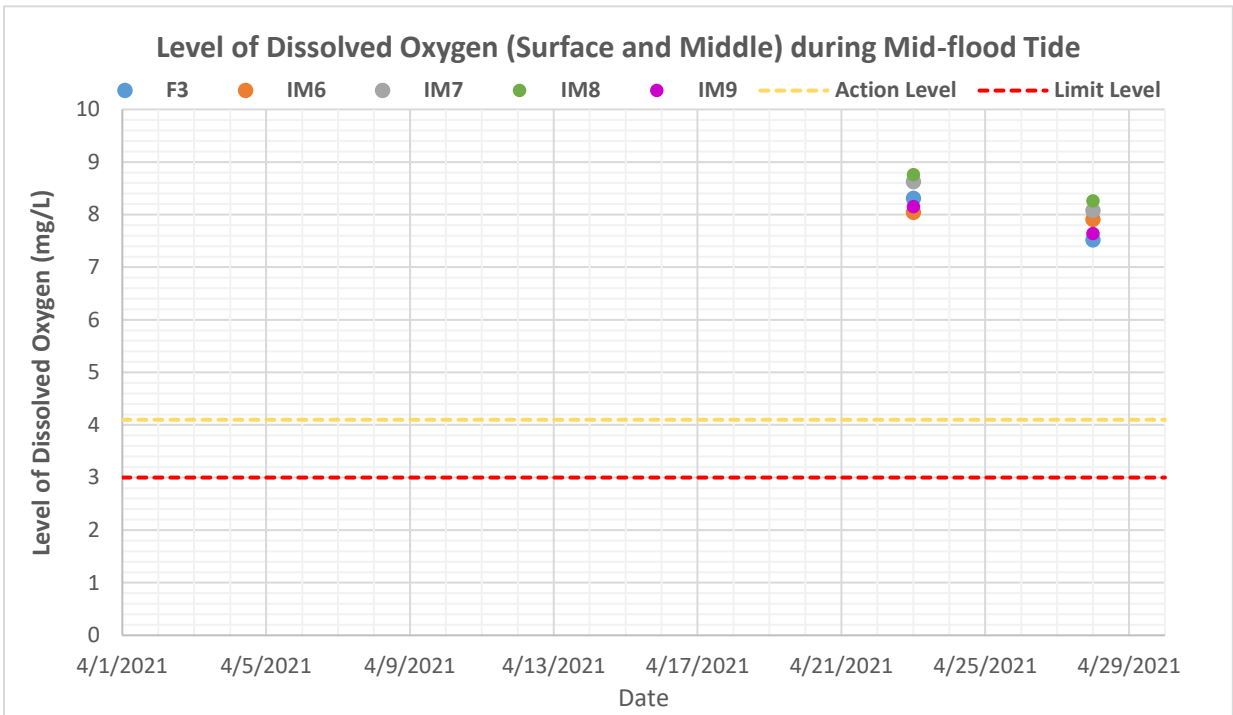


Figure G1c: Levels of Surface and Middle Dissolved Oxygen (mg/L) at control station (F3) and impact stations (IM6-IM9) under Group 3 during mid-flood tides in April 2021.

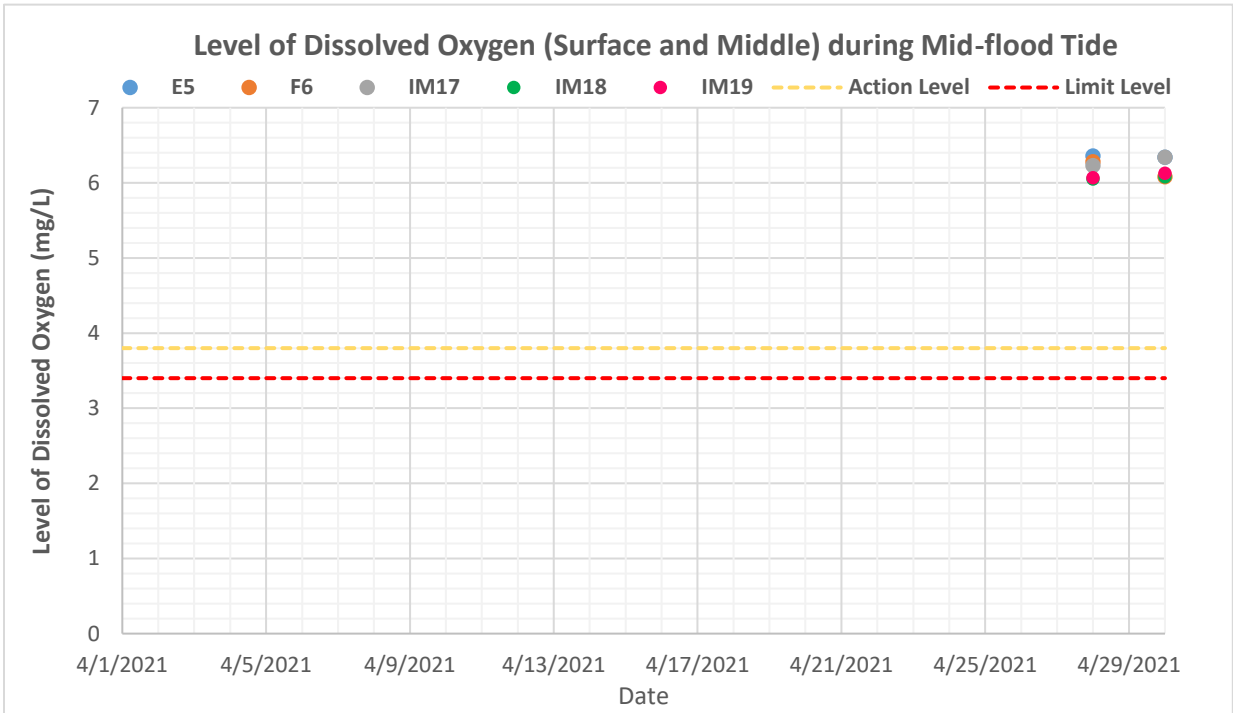


Figure G1d: Levels of Surface and Middle Dissolved Oxygen (mg/L) at control stations (E5, F6) and impact stations (IM17-IM19) under Group 7 during mid-flood tides in April 2021.

Source: P:\Projects\0505354 CLP Power Hong Kong Limited FSRU Pre-con EM&A.RC\07 Data\08 Impact WQ

Date: 10/05/21

**Environmental  
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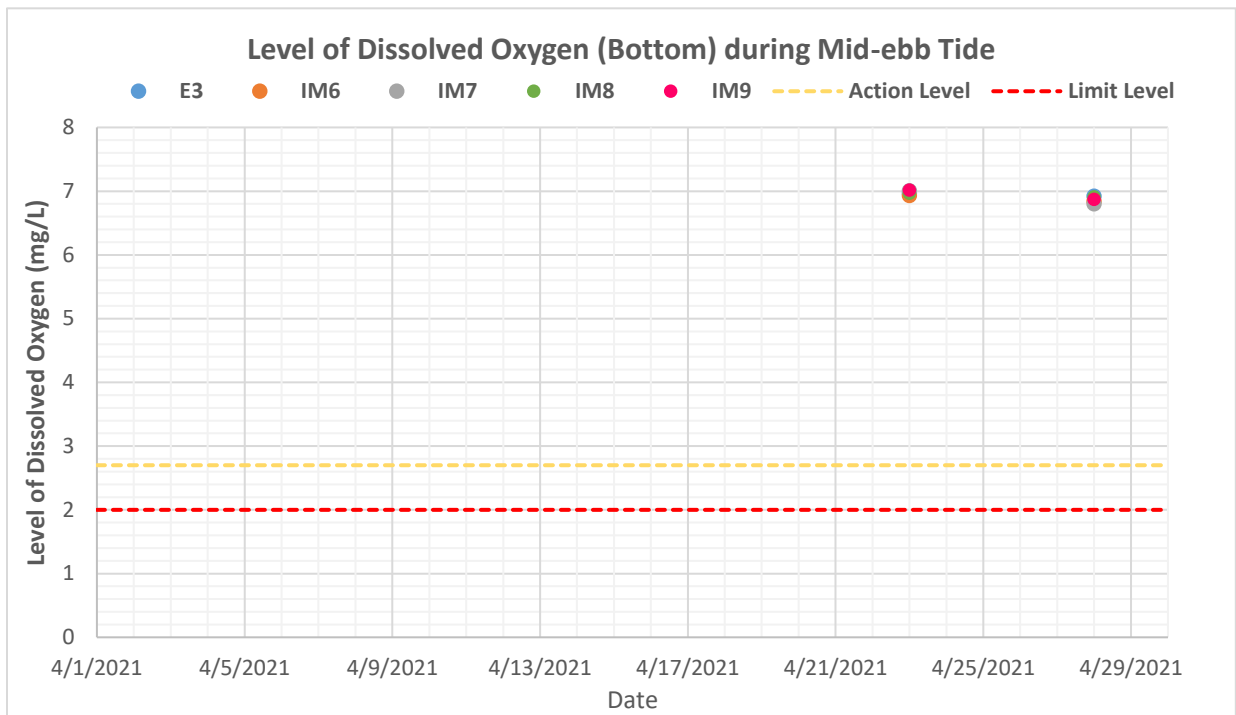


Figure G2a: Levels of Bottom Dissolved Oxygen (mg/L) at control station (E3) and impact stations (IM6-IM9) under Group 3 during mid-ebb tides in April 2021.

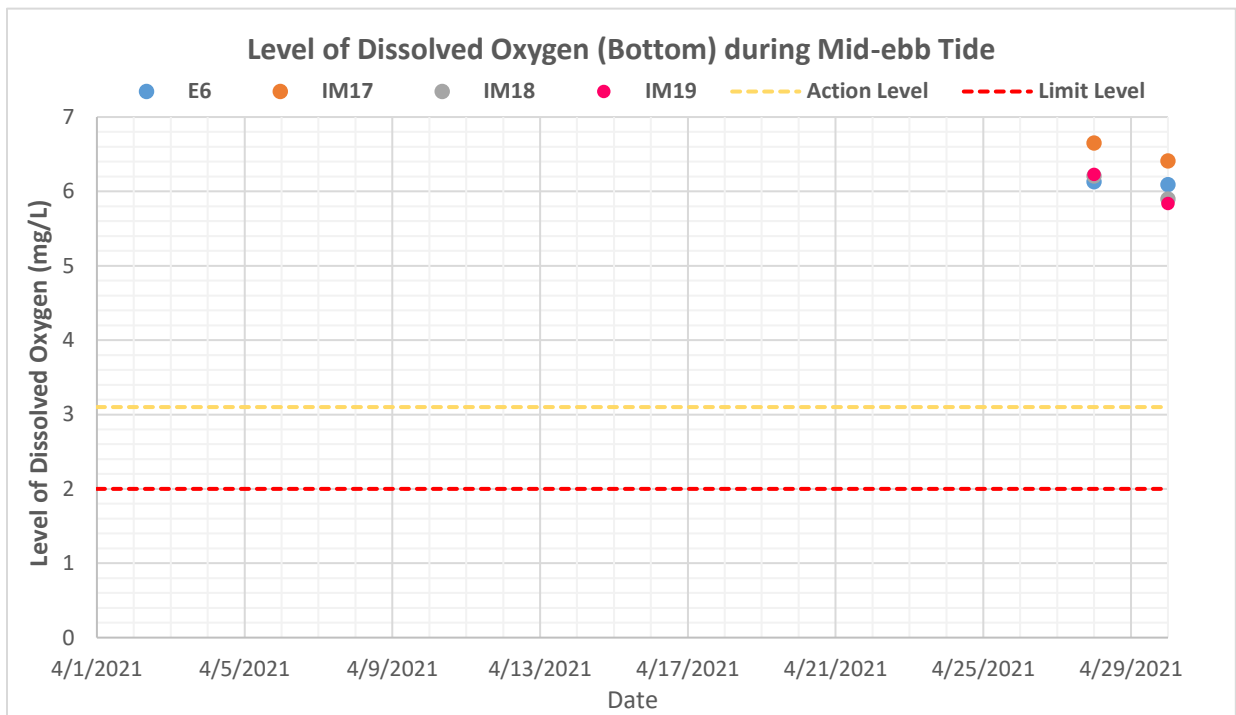


Figure G2b: Levels of Bottom Dissolved Oxygen (mg/L) at control station (E6) and impact stations (IM17-IM19) under Group 7 during mid-ebb tides in April 2021.

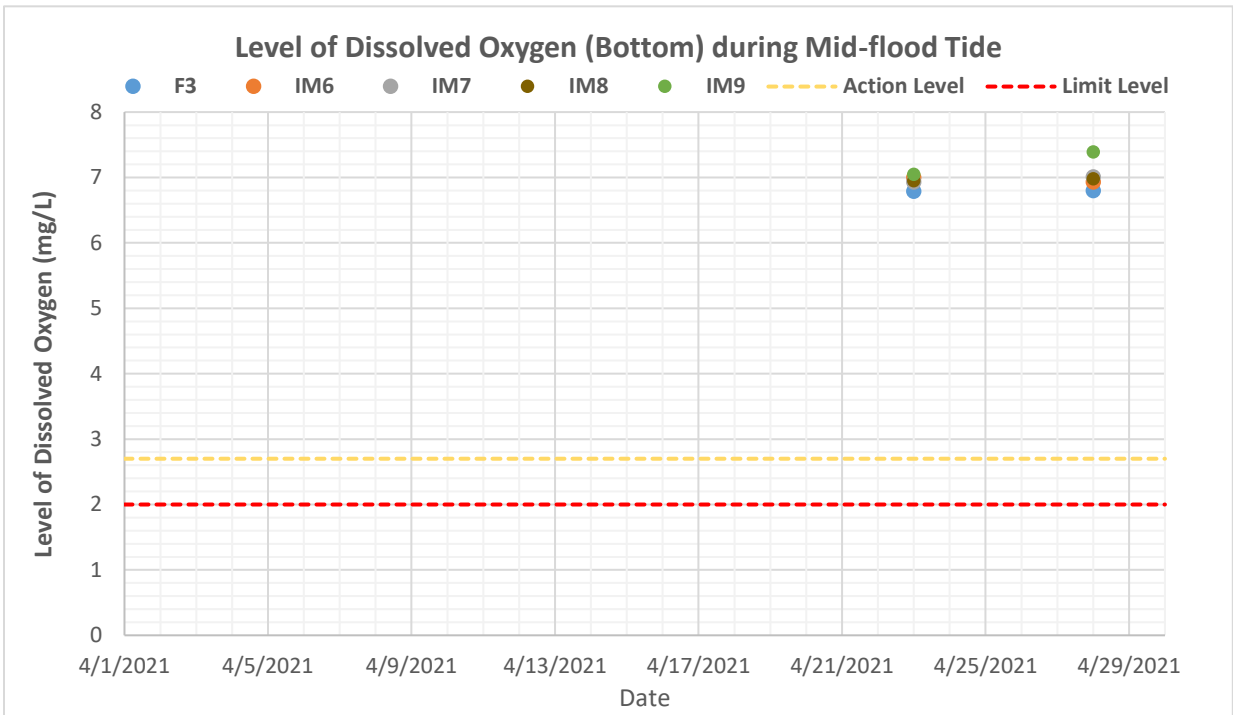


Figure G2c: Levels of Bottom Dissolved Oxygen (mg/L) at control station (F3) and impact stations (IM6-IM9) under Group 3 during mid-flood tides in April 2021.

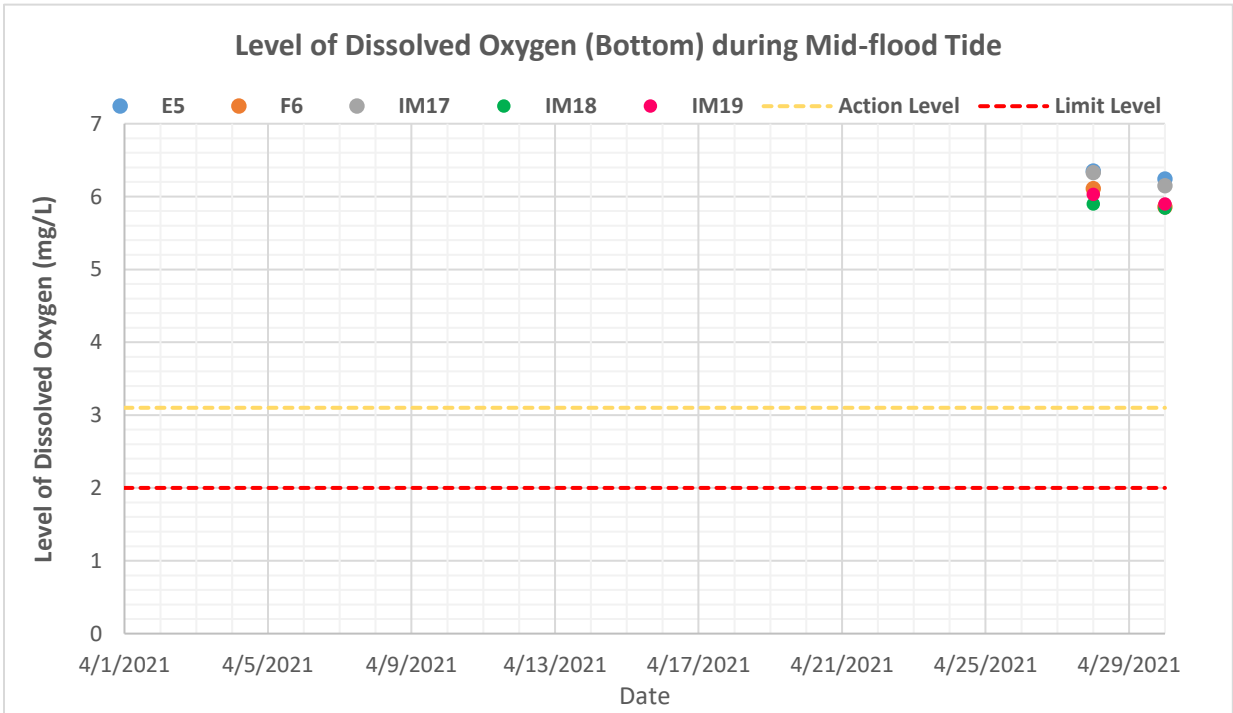


Figure G2d: Levels of Bottom Dissolved Oxygen (mg/L) at control stations (E5, F6) and impact stations (IM17-IM19) under Group 7 during mid-flood tides in April 2021.

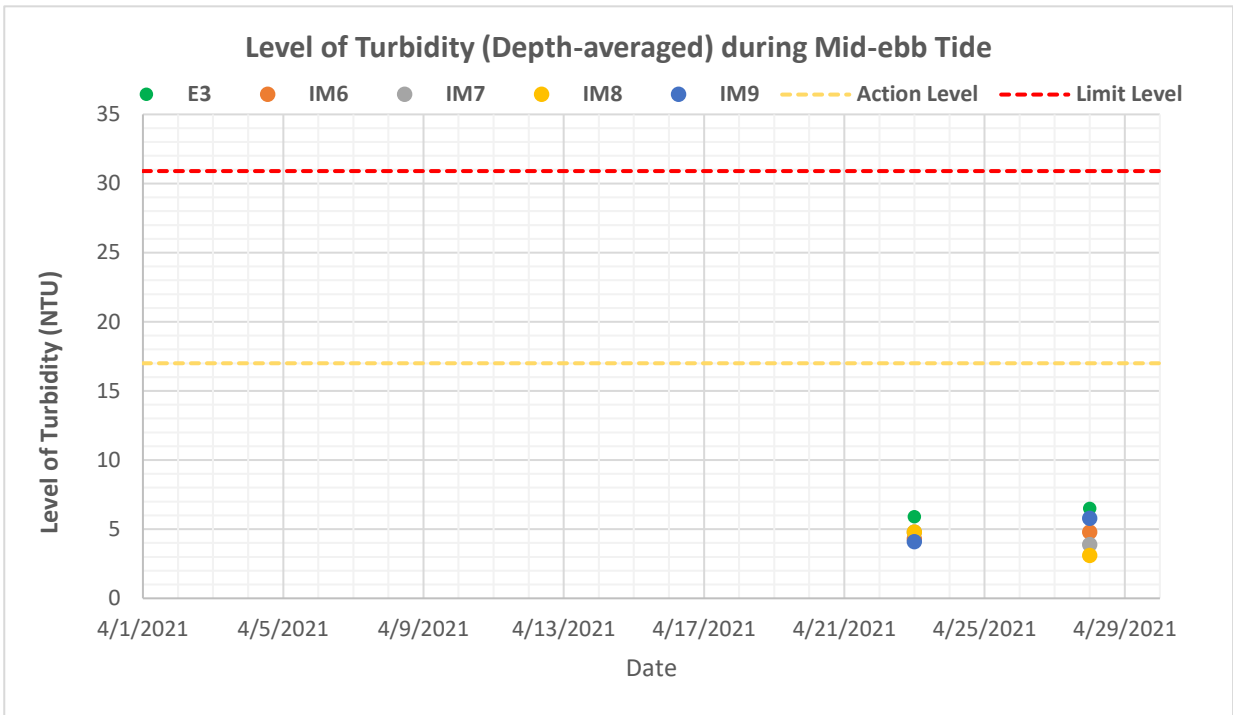


Figure G3a: Levels of Depth-averaged Turbidity (NTU) at control station (E3) and impact stations (IM6-IM9) under Group 3 during mid-ebb tides in April 2021.

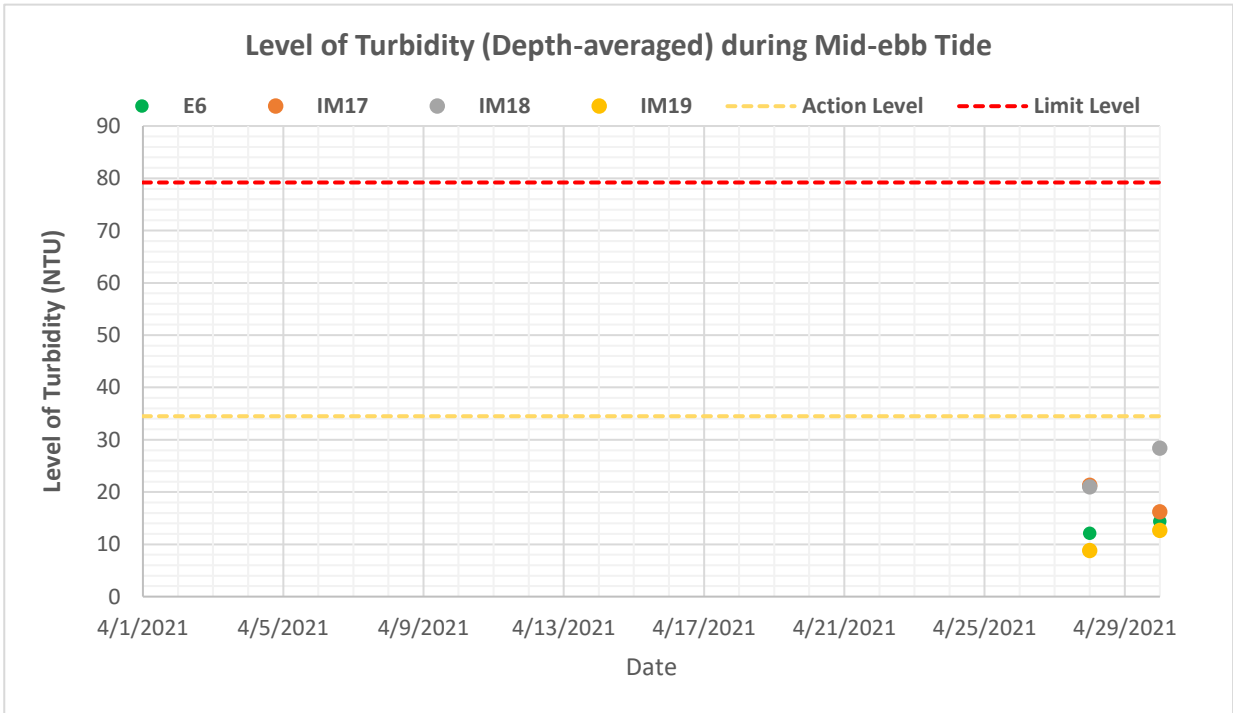


Figure G3b: Levels of Depth-averaged Turbidity (NTU) at control station (E6) and impact stations (IM17-IM19) under Group 7 during mid-ebb tides in April 2021.

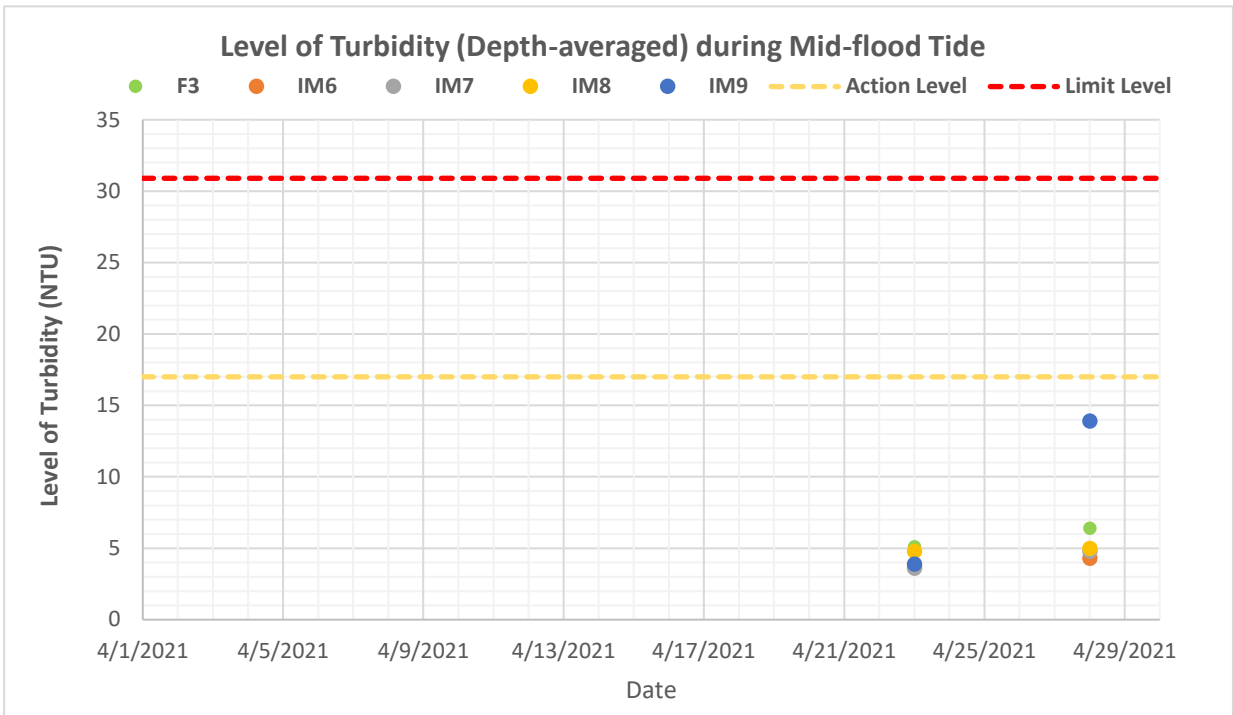


Figure G3c: Levels of Depth-averaged Turbidity (NTU) at control station (F3) and impact stations (IM6-IM9) under Group 3 during mid-flood tides in April 2021.

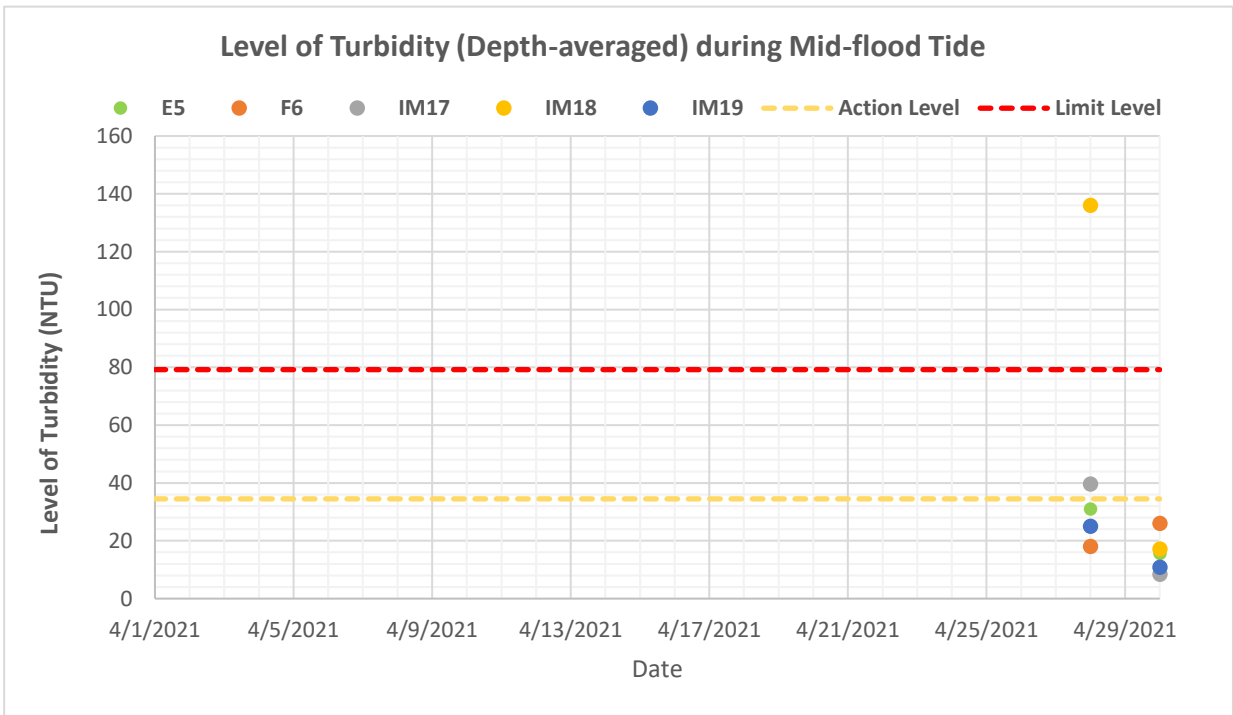


Figure G3d: Levels of Depth-averaged Turbidity (NTU) at control station (E5, F6) and impact stations (IM17-IM19) under Group 7 during mid-flood tides in April 2021.

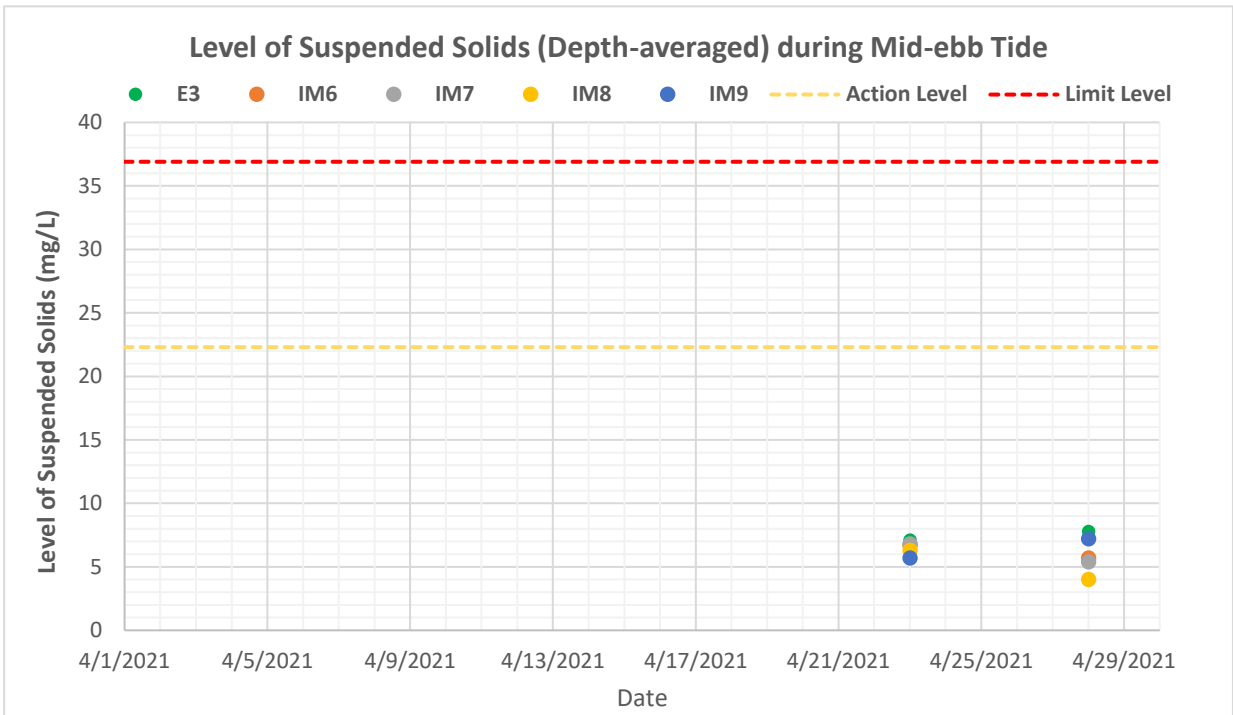


Figure G4a: Levels of Depth-averaged Suspended Solids (mg/L) at control station (E3) and impact stations (IM6-IM9) under Group 3 during mid-ebb tides in April 2021.

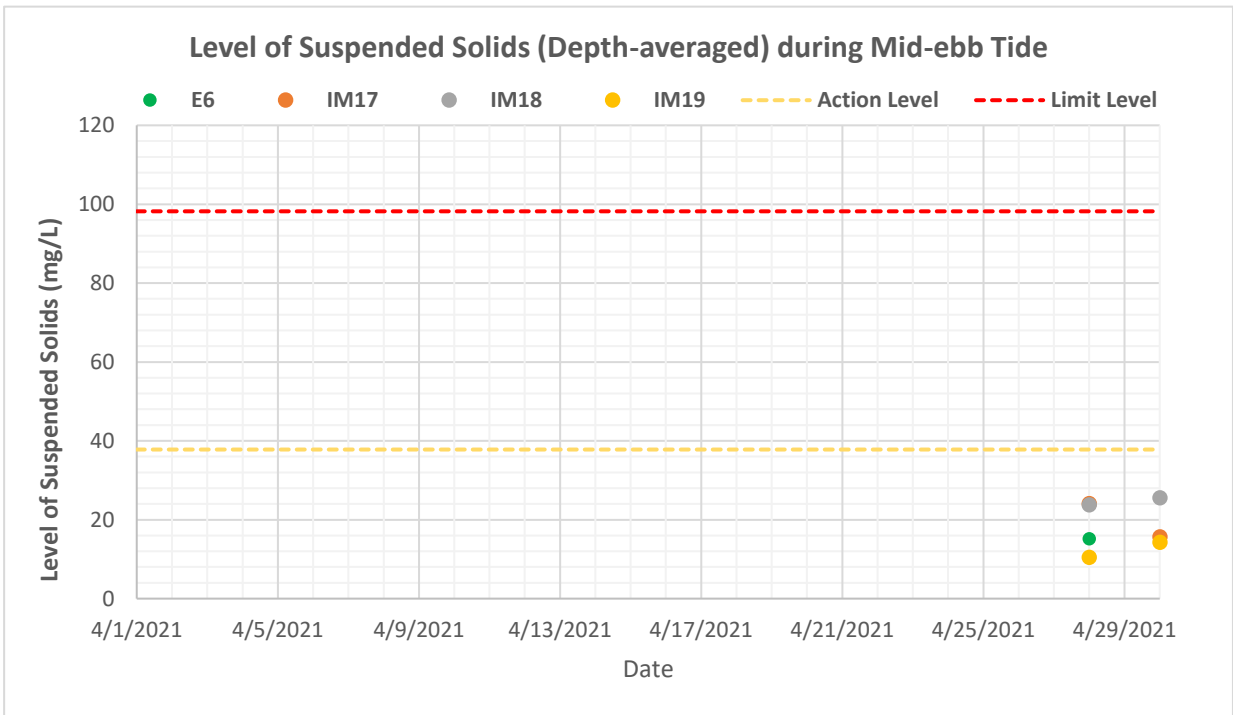


Figure G4b: Levels of Depth-averaged Suspended Solids (mg/L) at control station (E6) and impact stations (IM17-IM19) under Group 7 during mid-ebb tides in April 2021.



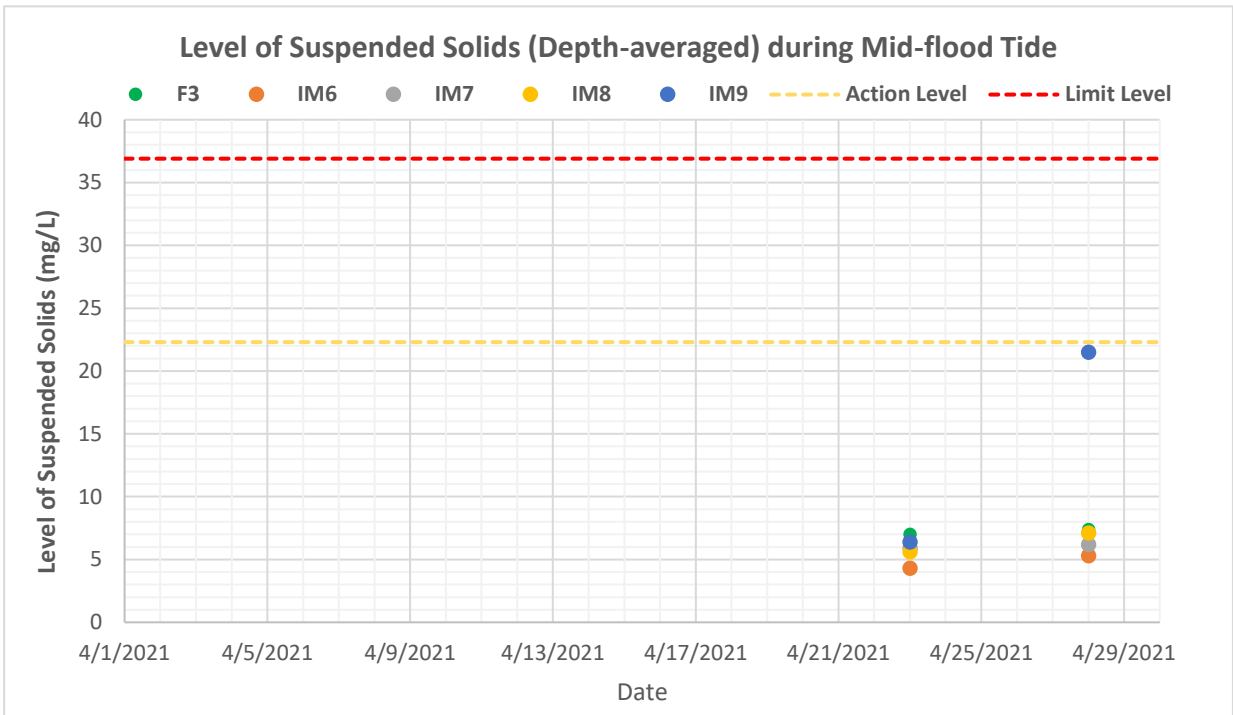


Figure G4c: Levels of Depth-averaged Suspended Solids (mg/L) at control station (F3) and impact stations (IM6-IM9) under Group 3 during mid-flood tides in April 2021.

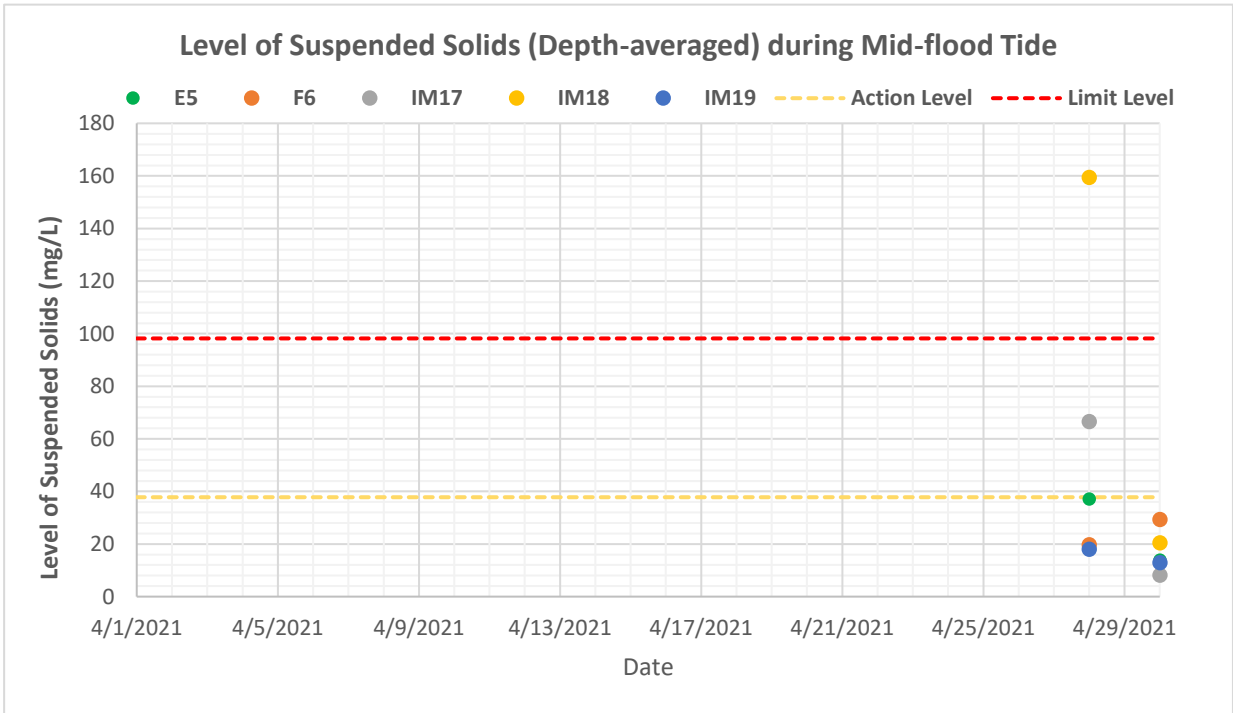


Figure G4d: Levels of Depth-averaged Suspended Solids (mg/L) at control station (E5, F6) and impact stations (IM17-IM19) under Group 7 during mid-flood tides in April 2021.

Source: P:\Projects\0505354 CLP Power Hong Kong Limited FSRU Pre-con EM&A.RC\07 Data\08 Impact WQ

Date: 11/05/21

**Environmental  
Resources  
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