

Water Quality Monitoring Results at CS1 - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
15-Dec-18	Cloudy	Moderate	3:43	Surface	1	20.2	20.2	33.9	33.9	8.15	8.13	85.50	87.33	6.25	6.39	6.36	3.2	3.3	3.3	1.7	1.8	2.99	1.0	1.3	1.22	<1.6	1.6	1.60			
						20.2		33.9		8.13		86.40		6.32			3.3			2.1			2.0			<1.6					
						20.2		33.9		8.11		90.10		6.59			3.3			1.6			1.0			<1.6					
				Middle	10.8	20.2	20.2	33.9	33.9	8.12	8.12	86.00	86.43	6.29	6.32	6.31	3.5	3.5	3.5	3.3	3.3	3.3	3.1	3.3	2.99	1.0	1.0	1.00	<1.6	1.6	1.60
						20.2		33.9		8.14		85.40		6.25			3.2			3.6			1.0			<1.6					
						20.2		33.9		8.11		87.90		6.43			3.5			3.3			1.0			<1.6					
				Bottom	20.6	20.3	20.2	33.9	33.9	8.10	8.12	87.30	86.20	6.39	6.31	6.31	3.5	3.5	3.5	4.0	3.8	4.06	4.1	3.8	4.06	1.0	1.3	1.44	<1.6	1.6	1.60
						20.2		33.9		8.12		85.90		6.28			3.5			4.1			1.0			<1.6					
						20.2		33.9		8.13		85.40		6.25			3.4			3.4			2.0			<1.6					
18-Dec-18	Fine	Moderate	6:57	Surface	1	21.6	21.6	33.4	33.4	8.27	8.27	83.20	83.03	5.65	5.64	5.63	2.5	2.6	2.6	3.9	3.8	5.67	<1	1.0	1.00	<1.6	1.6	1.60			
						21.5		33.4		8.27		83.10		5.64			2.6			3.7			<1			<1.6					
						21.6		33.4		8.27		82.80		5.62			2.7			3.9			<1			<1.6					
				Middle	10.5	21.5	21.5	33.4	33.4	8.27	8.27	82.60	82.73	5.61	5.62	5.61	5.61	5.61	5.61	3.3	3.3	3.3	6.5	6.4	5.67	<1	1.0	1.00	<1.6	1.6	1.60
						21.5		33.4		8.27		82.90		5.63			3.2			6.2			<1			<1.6					
						21.5		33.4		8.27		82.70		5.61			3.4			6.6			<1			<1.6					
				Bottom	20.0	21.5	21.5	33.4	33.4	8.27	8.27	82.60	82.63	5.61	5.61	5.61	5.61	5.61	5.61	3.1	3.2	3.2	6.7	6.7	5.67	<1	1.0	1.00	<1.6	1.6	1.60
						21.5		33.4		8.27		82.60		5.61			3.2			6.6			<1			<1.6					
						21.5		33.4		8.27		82.70		5.61			3.3			6.9			<1			<1.6					
20-Dec-18	Cloudy	Moderate	10:23	Surface	1	20.4	20.4	34.8	34.8	8.43	8.44	96.50	96.77	7.10	7.12	7.11	1.6	1.6	1.6	8.9	8.7	9.49	<1	1.0	1.00	<1.6	1.6	1.60			
						20.4		34.8		8.44		97.00		7.13			1.7			8.4			<1			<1.6					
						20.4		34.8		8.44		96.80		7.12			1.6			8.8			<1			<1.6					
				Middle	11.2	20.3	20.3	34.8	34.8	8.44	8.44	96.10	96.50	7.07	7.12	7.10	7.10	7.10	7.10	1.8	1.9	1.9	8.5	8.4	9.49	<1	1.0	1.00	<1.6	1.6	1.60
						20.3		34.8		8.44		96.80		7.12			2.0			8.3			<1			<1.6					
						20.3		34.8		8.44		96.60		7.10			1.9			8.3			<1			<1.6					
				Bottom	21.4	20.2	20.2	34.9	34.9	8.46	8.45	96.70	96.40	7.12	7.09	7.09	7.09	7.09	7.09	2.2	2.2	2.2	11.4	11.4	9.49	<1	1.0	1.00	<1.6	1.6	1.60
						20.2		34.9		8.45		96.40		7.09			2.2			11.2			<1			<1.6					
						20.2		34.9		8.45		96.10		7.07			2.1			11.6			<1			<1.6					
22-Dec-18	Cloudy	Moderate	22:45	Surface	1	20.5	20.5	34.8	34.8	8.30	8.30	98.30	97.97	6.84	6.81	6.78	2.2	2.2	2.2	4.8	5.1	5.58	5.0	5.0	5.11	<1.6	1.6	1.60			
						20.5		34.8		8.30		97.80		6.80			2.3			5.0			<1.6								
						20.5		34.8		8.30		97.80		6.80			2.2			5.4			<1.6								
				Middle	11.0	20.5	20.5	34.8	34.8	8.31	8.32	97.10	97.10	6.76	6.73	6.75	6.75	6.75	6.75	2.5	2.5	2.5	5.3	5.4	5.58	6.0	5.3	5.11	<1.6	1.6	1.60
						20.5		34.8		8.32		96.80		6.73			2.6			5.5			<1.6								
						20.5		34.8		8.32		97.40		6.77			2.5			5.3			<1.6								
				Bottom	21.0	20.5	20.5	34.8	34.8	8.31	8.32	97.00	96.73	6.75	6.73	6.73	6.73	6.73	6.73	2.7	2.7	2.7	6.2	6.3	5.58	5.0	5.0	5.11	<1.6	1.6	1.60
						20.5		34.8		8.33		96.80		6.73			2.7			6.4			<1.6								
						20.5		34.8		8.32		96.40		6.71			2.7			6.3			<1.6								
27-Dec-18	Cloudy	Moderate	2:03	Surface		20.6	20.6	34.6	34.6	8.34	8.33	86.30	83.30	6.33	6.18	6.19	3.1	3.1	3.1	5.7	5.5	5.42	6.0	6.3	6.11	<1.6	1.6	1.60			
						20.6		34.6		8.35		83.30		6.11			3.1			5.0			<1.6								
						20.6		34.6		8.33		83.90		6.16			3.2			5.7			<1.6								
				Middle	10.5	20.6	20.6	34.6	34.6	8.35	8.35	85.40	84.13	6.27	6.11	6.18	6.18	6.18	6.18	3.1	3.1	3.1	5.3	5.5	5.42	6.0	6.0	6.11	<1.6	1.6	1.60
						20.6		34.6		8.36		83.20		6.11			3.2			6.0			<1.6								
						20.6		34.6		8.35		83.80		6.15			3.1			5.4			<1.6								
				Bottom	20.1	20.6	20.6	34.6	34.6	8.35	8.35	84.80	83.90	6.22	6.10	6.16	6.16	6.16	6.16	3.2	3.2	3.2	5.1	5.3	5.42	6.0	6.0	6.11	<1.6	1.6	1.60
						20.6		34.6		8.36		83.10		6.10			3.3			5.3			<1.6								
						20.6		34.6		8.35		83.80		6.15			3.2			5.4			<1.6								
29-Dec-18	Fine	Moderate	4:49	Surface	1	20.8	20.8	33.4	33.4	8.01	8.03	85.50	86.43	6.30	6.36	6.31	2.0	2.1	2.1	3.4	3.5	4.06	1.0	1.3	1.44	-	1.6	1.60			
						20.8		33.4		8.03		86.50		6.36			2.1			3.4			<1.6								
						20.8		33.4		8.04		87.30		6.42			2.2			3.6			<1.6								
				Middle	11.0	20.8	20.8	33.4	33.4	8.02	8.03	85.00	84.90	6.25	6.25	6.25	6.25	6.25	6.25	2.4	2.5	2.5	4.1	3.8	4.06	2.0	1.7	1.44	<1.6	1.6	1.60
						20.8		33.4		8.04		84.90		6.25			2.5			3.6			<1.6								
						20.8		33.4		8.03		85.00		6.26			2.6			3.6			<1.6								
				Bottom	21.1	20.9	20.9	33.4	33.4	8.01	8.02	84.60	84.90	6.23	6.24	6.24	6.24	6.24	6.24	2.8	2.6	2.6	4.9	4.9	4.06	2.0	1.3	1.44	<1.6	1.6	1.60
						20.8		33.4		8.02		85.30		6.27			2.6			4.7			<1.6								
						20.9		33.4		8.04		84.80		6.23			2.4			5.2			<1.6								

Remark:
 The 500 mL amber glass bottles of CS1 (surface depth) at Mid-Ebb tide were broken during transit. The data of total PAHs of the mentioned stations were not able to record on 29 Dec 2018

Water Quality Monitoring Results at CS1 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
1-Dec-18	Sunny	Moderate	15:01	Surface	1	22.6	22.6	34.0	34.0	8.21	8.21	84.80	83.17	6.02	5.90	2.8	2.8	5.87	5.6	5.5	5.33	<1	1.0	1.00	<1.6	1.6	1.60	
						22.6		34.0		8.22		82.00		5.82		3.0			5.9			5.1			<1			<1.6
						22.6		34.0		8.21		82.70		5.87		2.7			5.7			5.1			<1			<1.6
				Middle	11.1	22.6	22.6	34.0	34.0	8.20	8.21	82.10	82.07	5.83	5.83	3.2	3.4	3.24	5.6	5.0	5.33	<1	1.0	1.00	<1.6	1.6	1.60	
						22.6		34.0		8.22		81.40		5.78		3.6			5.4			<1			<1.6			
						22.6		34.0		8.21		83.00		5.90		3.5			5.4			<1			<1.6			
				Bottom	21.2	22.6	22.6	34.0	34.0	8.23	8.21	82.70	83.00	5.88	5.90	3.4	3.5	3.24	6.1	5.4	5.33	<1	1.0	1.00	<1.6	1.6	1.60	
						22.6		34.0		8.20		83.30		5.92		3.5			5.4			<1			<1.6			
						22.6		34.0		8.20		83.30		5.92		3.5			5.4			<1			<1.6			
4-Dec-18	Sunny	Moderate	16:32	Surface	1	23.8	23.8	31.1	31.1	8.17	8.17	78.50	78.27	5.37	5.35	4.4	4.4	5.34	3.9	3.6	5.78	1.0	1.0	1.00	<1.6	1.6	1.60	
						23.8		31.1		8.17		78.00		5.34		4.4			3.3			<1.6						
						23.7		31.1		8.17		78.30		5.35		4.3			3.5			<1.6						
				Middle	9.9	23.7	23.7	31.1	31.1	8.18	8.17	77.80	78.07	5.31	5.33	4.6	4.5	4.46	4.5	6.3	5.78	1.0	1.0	1.00	<1.6	1.6	1.60	
						23.7		31.1		8.17		78.40		5.36		4.5			6.0			<1.6						
						23.7		31.1		8.17		78.00		5.33		4.5			6.0			<1.6						
				Bottom	18.9	23.7	23.7	31.1	31.1	8.17	8.17	77.80	77.47	5.32	5.30	4.4	4.5	5.30	7.6	7.5	5.78	1.0	1.0	1.00	<1.6	1.6	1.60	
						23.7		31.1		8.18		77.50		5.30		4.5			7.6			<1.6						
						23.7		31.1		8.18		77.10		5.27		4.5			7.3			<1.6						
6-Dec-18	Fine	Moderate	5:23	Surface	1	22.7	22.7	34.4	34.4	8.20	8.18	93.70	94.63	6.63	6.69	2.3	2.2	6.72	4.2	3.9	3.40	8.0	8.0	8.00	<1.6	1.6	1.60	
						22.7		34.4		8.20		94.60		6.69		2.2			4.0			<1.6						
						22.7		34.4		8.18		95.60		6.76		2.2			3.6			<1.6						
				Middle	10.9	22.5	22.5	34.6	34.6	8.16	8.19	94.00	95.20	6.66	6.75	2.3	2.2	6.72	4.9	2.9	3.40	8.0	8.0	8.00	<1.6	1.6	1.60	
						22.5		34.6		8.20		95.80		6.79		2.0			2.7			<1.6						
						22.5		34.6		8.20		95.80		6.79		2.2			2.7			<1.6						
				Bottom	20.8	22.5	22.5	34.6	34.6	8.19	8.19	93.50	94.23	6.63	6.68	2.2	2.2	6.68	3.4	3.3	3.40	8.0	8.0	8.00	<1.6	1.6	1.60	
						22.5		34.6		8.21		96.00		6.80		2.3			3.6			<1.6						
						22.5		34.6		8.18		93.20		6.60		2.1			3.0			<1.6						
8-Dec-18	Fine	Calm	8:53	Surface	1	21.7	21.6	31.1	31.1	8.21	8.21	77.30	77.07	5.24	5.22	4.8	4.8	5.21	8.2	8.5	9.50	2.0	2.0	2.00	<1.6	1.6	1.60	
						21.7		31.1		8.21		76.80		5.21		4.8			8.8			<1.6						
						21.6		31.1		8.21		77.10		5.22		4.7			8.4			<1.6						
				Middle	10.5	21.5	21.5	31.1	31.1	8.21	8.21	77.20	76.87	5.23	5.20	4.9	4.9	5.21	5.0	9.7	9.50	2.0	2.0	2.00	<1.6	1.6	1.60	
						21.5		31.1		8.22		76.60		5.18		4.9			9.8			<1.6						
						21.5		31.1		8.22		76.60		5.18		5.0			9.8			<1.6						
				Bottom	21.3	21.6	21.6	31.1	31.1	8.21	8.21	76.60	76.27	5.19	5.17	4.8	4.9	5.17	10.2	10.3	9.50	2.0	2.0	2.00	<1.6	1.6	1.60	
						21.6		31.1		8.21		76.30		5.17		4.9			10.0			<1.6						
						21.5		31.1		8.22		75.90		5.14		4.9			10.7			<1.6						
11-Dec-18	Fine	Moderate	9:48	Surface	1	21.7	21.7	34.8	34.8	8.28	8.28	97.30	99.30	6.99	7.12	3.3	3.4	7.27	8.6	7.7	8.08	<1	1.0	1.00	<1.6	1.6	1.60	
						21.7		34.8		8.26		101.30		7.27		3.5			7.4			<1						
						21.7		34.8		8.30		99.30		7.11		3.3			7.1			<1						
				Middle	11.2	21.7	21.7	34.8	34.8	8.29	8.27	93.10	93.13	6.69	6.69	3.4	3.4	6.91	7.5	8.4	8.08	<1	1.0	1.00	<1.6	1.6	1.60	
						21.7		34.8		8.26		94.10		6.76		3.6			9.2			<1						
						21.7		34.8		8.27		92.20		6.62		3.3			8.5			<1						
				Bottom	21.3	21.7	21.7	34.8	34.8	8.28	8.28	95.60	94.20	6.87	6.77	4.1	4.1	6.77	9.2	8.1	8.08	<1	1.0	1.00	<1.6	1.6	1.60	
						21.7		34.8		8.29		93.10		6.69		4.1			7.9			<1						
						21.7		34.8		8.27		93.90		6.74		4.0			7.3			<1						
13-Dec-18	Sunny	Moderate	11:36	Surface	1	21.7	21.7	33.5	33.5	8.15	8.15	92.50	93.43	6.69	6.76	1.8	1.8	6.89	3.7	3.9	3.49	<1	1.0	1.00	<1.6	1.6	1.60	
						21.7		33.5		8.15		92.50		6.69		1.8			4.1			<1						
						21.7		33.5		8.15		95.30		6.89		1.8			3.8			<1						
				Middle	11.0	21.7	21.7	33.5	33.5	8.15	8.15	93.20	92.40	6.74	6.68	1.8	1.8	6.72	3.9	3.5	3.49	<1	1.0	1.00	<1.6	1.6	1.60	
						21.7		33.5		8.15		91.90		6.64		1.8			3.1			<1						
						21.7		33.5		8.15		92.10		6.66		1.9			3.5			<1						
				Bottom	21.0	21.7	21.7	33.5	33.5	8.16	8.15	93.00	92.23	6.72	6.67	1.8	1.8	6.67	2.8	3.1	3.49	<1	1.0	1.00	<1.6	1.6	1.60	
						21.7		33.5		8.15		91.80		6.63		1.9			3.1			<1						
						21.7		33.5		8.15		91.90		6.65		1.8			3.4			<1						

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						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*			
15-Dec-18	Fine	Moderate	13:56	Surface	1	20.4	33.9	33.9	33.9	8.22	8.21	88.00	86.03	6.44	6.21	6.29	6.28	3.1	3.1	3.26	3.9	4.4	4.19	1.0	1.0	1.11	1.0	1.6	1.60		
						20.4	33.9	33.9	8.21	8.21	84.90	85.20	6.21	6.23	3.1	3.1		4.8	4.4		4.6	1.0		1.0	<1.6		1.6				
						20.4	33.9	33.9	8.21	8.21	84.90	85.20	6.21	6.23	3.1	3.2		4.3	4.5		4.4	1.0		1.0	<1.6		1.6				
				Middle	11.1	20.4	33.9	33.9	8.22	8.21	86.60	84.90	6.34	6.21	85.00	85.10	6.22	6.22	6.24	3.4	3.4	3.26	4.4	4.4	4.19	1.0	1.0	1.11	1.0	1.6	1.60
						20.4	33.9	33.9	8.21	8.21	84.90	85.10	6.21	6.22	3.2	3.4	4.3	4.5		4.4	1.0		1.0	<1.6		1.6					
						20.4	33.9	33.9	8.21	8.21	84.90	85.10	6.21	6.22	3.2	3.4	4.3	4.5		4.4	1.0		1.0	<1.6		1.6					
				Bottom	21.0	20.4	33.9	33.9	8.21	8.24	85.00	85.00	6.22	6.29	85.00	85.23	6.22	6.24	6.24	3.5	3.4	6.24	4.1	3.6	6.24	1.0	2.0	6.24	1.0	1.6	1.60
						20.4	33.9	33.9	8.21	8.24	85.00	85.23	6.22	6.24	3.5	3.3	4.1	3.6		4.1	2.0		1.0	<1.6		1.6					
						20.4	33.9	33.9	8.21	8.24	85.00	85.23	6.22	6.24	3.5	3.3	4.1	3.6		4.1	2.0		1.0	<1.6		1.6					
18-Dec-18	Sunny	Moderate	15:13	Surface	1	22.3	33.3	33.3	33.3	8.24	8.24	82.10	82.40	5.58	5.59	5.58	2.7	2.6	2.62	4.7	4.8	7.53	<1	1.0	1.00	<1	1.6	1.60			
						22.3	33.3	33.3	8.24	8.24	82.10	82.40	5.58	5.59	2.7		2.6	5.1		8.8	8.8		7.53	<1		1.0	<1.6		1.6		
						22.2	33.4	33.4	8.25	8.25	82.00	82.20	5.57	5.58	2.6		2.6	8.8		8.8	7.53		<1	1.0		<1.6	1.6				
				Middle	10.8	22.2	33.4	33.4	8.25	8.25	82.00	82.20	5.57	5.58	82.00	82.30	5.57	5.58	5.56	2.6	2.6	5.56	8.6	9.0	5.56	<1	1.0	1.00	<1	1.6	1.60
						22.2	33.4	33.4	8.25	8.24	82.00	82.00	5.57	5.57	2.6	2.6	9.3	9.0		9.0	<1		1.0	<1.6		1.6					
						22.2	33.4	33.4	8.24	8.24	82.00	82.00	5.57	5.57	2.5	2.6	9.0	9.0		9.0	<1		1.0	<1.6		1.6					
				Bottom	20.7	22.2	33.4	33.4	8.24	8.24	81.80	82.10	5.55	5.57	81.80	81.97	5.55	5.56	5.56	2.7	2.6	5.56	8.6	9.0	5.56	<1	1.0	1.00	<1	1.6	1.60
						22.2	33.4	33.4	8.25	8.24	82.10	82.10	5.57	5.57	2.6	2.6	9.3	9.0		9.0	<1		1.0	<1.6		1.6					
						22.2	33.4	33.4	8.24	8.24	82.00	82.00	5.57	5.57	2.5	2.6	9.0	9.0		9.0	<1		1.0	<1.6		1.6					
20-Dec-18	Cloudy	Moderate	3:53	Surface	1	20.2	34.8	34.8	34.8	8.32	8.32	97.80	97.73	7.20	7.19	7.19	2.2	2.1	2.43	7.6	7.4	8.57	1.0	1.0	1.00	<1	1.6	1.60			
						20.2	34.8	34.8	8.31	8.32	97.70	97.70	7.19	7.19	2.1		2.1	7.3		7.4	7.4		<1	1.0		<1.6	1.6				
						20.1	34.8	34.8	8.32	8.32	97.70	97.60	7.19	7.18	2.4		2.3	8.1		8.2	8.57		<1	1.0		<1.6	1.6				
				Middle	11.3	20.1	34.8	34.8	8.32	8.32	97.50	97.60	7.17	7.17	97.50	97.60	7.17	7.18	7.18	2.3	2.3	7.18	8.5	8.2	8.57	<1	1.0	1.00	<1	1.6	1.60
						20.1	34.8	34.8	8.32	8.32	97.60	97.60	7.19	7.19	2.3	2.3	8.0	8.2		8.57	<1		1.0	<1.6		1.6					
						20.1	34.8	34.8	8.32	8.32	97.60	97.60	7.19	7.19	2.3	2.3	8.0	8.2		8.57	<1		1.0	<1.6		1.6					
				Bottom	21.6	20.1	34.9	34.9	8.33	8.33	97.40	97.37	7.17	7.17	97.40	97.37	7.17	7.17	7.17	2.8	2.8	7.17	10.1	10.1	7.17	<1	1.0	1.00	<1	1.6	1.60
						20.1	34.9	34.9	8.34	8.33	97.20	97.37	7.16	7.17	2.9	2.8	9.8	10.1		10.1	<1		1.0	<1.6		1.6					
						20.0	34.9	34.9	8.33	8.33	97.50	97.50	7.18	7.18	2.8	2.8	10.3	10.1		10.1	<1		1.0	<1.6		1.6					
22-Dec-18	Cloudy	Moderate	7:00	Surface	1	20.5	34.8	34.8	34.8	8.37	8.37	100.20	100.23	6.98	6.98	6.97	2.3	2.3	2.69	9.7	9.8	10.90	5.0	5.3	5.44	<1	1.6	1.60			
						20.5	34.8	34.8	8.37	8.37	100.10	100.40	6.96	6.99	2.4		2.4	10.1		9.8	9.8		5.0	5.3		<1	1.6				
						20.5	34.8	34.8	8.37	8.37	100.40	100.40	6.99	6.99	2.4		2.7	10.7		10.7	10.7		5.0	5.3		<1	1.6				
				Middle	11.1	20.5	34.8	34.8	8.38	8.39	100.10	100.00	6.96	6.96	100.10	100.00	6.96	6.96	6.95	3.1	3.1	6.95	12.1	12.2	6.95	5.0	5.7	6.95	<1	1.6	1.60
						20.5	34.8	34.8	8.39	8.39	99.90	99.90	6.95	6.95	3.0	3.1	12.3	12.2		12.3	5.0		5.7	<1		1.6					
						20.5	34.8	34.8	8.40	8.40	100.10	100.10	6.96	6.96	3.1	3.1	12.3	12.3		12.3	5.0		5.7	<1		1.6					
				Bottom	21.2	20.5	34.8	34.8	8.39	8.39	99.90	99.97	6.95	6.95	99.90	99.97	6.95	6.95	6.95	3.0	3.1	6.95	12.3	12.2	6.95	5.0	5.7	6.95	<1	1.6	1.60
						20.5	34.8	34.8	8.39	8.39	99.90	99.97	6.95	6.95	3.0	3.1	12.3	12.2		12.3	5.0		5.7	<1		1.6					
						20.5	34.8	34.8	8.40	8.40	100.10	100.10	6.96	6.96	3.1	3.1	12.3	12.3		12.3	5.0		5.7	<1		1.6					
27-Dec-18	Fine	Moderate	11:31	Surface	1	20.6	34.6	34.6	34.6	8.20	8.20	84.70	84.60	6.22	6.21	6.20	3.2	3.2	3.14	6.6	6.4	4.73	6.0	6.3	6.22	<1	1.6	1.60			
						20.6	34.6	34.6	8.20	8.21	84.60	84.60	6.21	6.21	3.1		3.1	6.0		6.3	6.0		6.3	<1		1.6					
						20.6	34.6	34.6	8.21	8.22	84.60	84.43	6.21	6.19	3.1		3.1	6.0		6.3	6.0		6.3	<1		1.6					
				Middle	10.8	20.6	34.6	34.6	8.21	8.23	84.40	84.43	6.19	6.19	84.40	84.43	6.19	6.19	6.18	3.1	3.1	6.18	3.8	3.9	6.18	6.0	6.0	6.18	<1	1.6	1.60
						20.6	34.6	34.6	8.21	8.21	84.30	84.30	6.18	6.18	3.1	3.1	3.8	3.9		3.8	6.0		6.0	<1		1.6					
						20.6	34.6	34.6	8.21	8.21	84.30	84.30	6.18	6.18	3.1	3.1	3.8	3.9		3.8	6.0		6.0	<1		1.6					
				Bottom	20.4	20.6	34.6	34.6	8.23	8.21	83.90	84.10	6.16	6.17	83.90	84.17	6.16	6.18	6.18	3.1	3.2	6.18	3.9	3.9	6.18	6.0	6.0	6.18	<1	1.6	1.60
						20.6	34.6	34.6	8.20	8.20	84.10	84.17	6.17	6.18	3.3	3.2	4.1	3.9		4.1	6.0		6.0	<1		1.6					
						20.6	34.6	34.6	8.20	8.20	84.50	84.50	6.20	6.20	3.1	3.1	3.7	3.9		3.7	6.0		6.0	<1		1.6					
29-Dec-18	Sunny	Moderate	13:24	Surface	1	20.8	33.4	33.3	33.3	8.05	8.05	84.90	84.80	6.26	6.26	6.28	2.5	2.5	2.66	2.7	2.5	3.29	2.0	1.3	1.33	<1	1.6	1.60			
						20.8	33.3	33.3	8.05	8.05	84.80	85.00	6.25	6.27	2.4		2.5	2.5		2.5	2.5		1.0	1.0		<1	1.6				
						20.8	33.4	33.4	8.05	8.05	85.00	85.00	6.27	6.27	2.5		2.5	2.5		2.5	2.5		1.0	1.0		<1	1.6				
				Middle	10.9	20.7	33.4	33.4	8.06	8.06	85.30	85.40	6.28	6.29	85.30	85.40	6.28	6.29	6.25	2.5	2.5	6.25	3.3	3.1	6.25	1.0	1.0	1.33	<1	1.6	1.60
						20.7	33.4	33.4	8.06	8.06	85.40	85.50	6.29	6.30	2.6	2.5	3.1	3.1		3.0	1.0		1.0	<1		1.6					
						20.7	33.4	33.4	8.06	8.06	85.50	85.50	6.30	6.30	2.5	2.5	3.0	3.1		3.0	1.0		1.0	<1		1.6					
				Bottom	20.8	20.7	33.4	33.4	8.06	8.06	84.90	84.80	6.26	6.25	84.90	84.80	6.26	6.25	6.25	3.0	3.0	6.25	4.2	4.2	6.25	2.0	1.7	6.25	<1	1.6	1.60
						20.7	33.4	33.4	8.06	8.06	84.80	84.80	6.25	6.25	2.9	2.9	4.0	4.2		4.0	1.0		1.0	<1		1.6					
						20.7	33.4	33																							

Water Quality Monitoring Results at CS2 - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*			
1-Dec-18	Fine	Moderate	7:05	Surface	1	22.7	22.7	33.7	33.5	8.19	8.17	81.80	82.10	5.81	5.83	5.82	3.2	3.1	3.16	3.6	3.9	4.82	<1	1.0	1.33	<1.6	1.6	1.60			
						22.7		33.6		8.17		81.30		5.77			3.0			3.6			<1			<1.6					
						22.8		33.3		8.16		83.20		5.91			3.2			4.4			<1			<1.6					
				Middle	6.1	22.6	22.6	34.0	34.0	8.20	8.20	82.70	81.83	5.87	5.81	5.78	5.81	5.78	5.78	3.1	3.1	3.16	4.7	5.4	4.82	<1	1.0	1.33	<1.6	1.6	1.60
						22.6		34.0		8.22		81.40		5.78						3.0			6.0			<1			<1.6		
						22.6		34.0		8.22		81.40		5.78						3.0			6.0			<1			<1.6		
				Bottom	11.2	22.6	22.6	34.0	34.0	8.21	8.20	82.50	81.43	5.86	5.78	5.78	5.78	5.78	5.78	3.3	3.2	3.16	5.0	5.2	4.82	<1	2.0	1.33	<1.6	1.6	1.60
						22.6		34.0		8.22		80.60		5.72						3.2			5.6			<1			<1.6		
						22.7		33.9		8.18		81.20		5.76						3.1			5.0			<1			<1.6		
4-Dec-18	Sunny	Moderate	9:40	Surface	1	23.7	23.7	31.1	31.1	8.17	8.17	82.20	80.77	5.66	5.56	5.54	2.1	2.1	2.20	7.6	7.4	7.04	1.0	1.0	1.00	<1.6	1.6	1.60			
						23.6		31.1		8.18		79.70		5.48			2.1			7.3			<1.6			<1.6					
						23.7		31.1		8.17		80.40		5.53			2.1			7.3			<1.6			<1.6					
				Middle	6.0	23.6	23.6	31.1	31.1	8.17	8.17	80.20	80.20	5.51	5.51	5.48	5.51	5.50	5.50	2.2	2.2	2.20	6.2	6.5	7.04	1.0	1.0	1.00	<1.6	1.6	1.60
						23.6		31.1		8.17		79.70		5.48						2.3			6.9			<1.6			<1.6		
						23.6		31.1		8.17		80.70		5.55						2.2			6.9			<1.6			<1.6		
				Bottom	11.0	23.6	23.6	31.1	31.1	8.18	8.17	80.60	79.97	5.55	5.50	5.46	5.50	5.50	5.50	2.2	2.3	2.30	6.9	7.2	7.04	1.0	1.0	1.00	<1.6	1.6	1.60
						23.6		31.1		8.17		79.40		5.46						2.3			7.7			<1.6			<1.6		
						23.7		31.1		8.17		79.90		5.49						2.3			7.0			<1.6			<1.6		
6-Dec-18	Sunny	Moderate	10:47	Surface	1	22.7	22.7	34.4	34.4	8.13	8.14	96.50	96.40	6.82	6.82	6.80	1.8	1.9	2.06	4.3	3.5	3.14	8.0	8.0	8.00	<1.6	1.6	1.60			
						22.7		34.4		8.14		96.30		6.81			1.8			3.1			<1.6			<1.6					
						22.7		34.5		8.14		96.40		6.82			2.0			3.2			<1.6			<1.6					
				Middle	6.3	22.5	22.5	34.5	34.5	8.17	8.16	95.90	95.67	6.79	6.78	6.78	6.78	6.78	6.80	2.2	2.2	2.06	2.7	2.9	3.14	8.0	8.0	8.00	<1.6	1.6	1.60
						22.6		34.5		8.16		95.70		6.78						2.3			3.4			<1.6			<1.6		
						22.6		34.5		8.16		95.40		6.76						2.2			2.5			<1.6			<1.6		
				Bottom	11.7	22.5	22.5	34.6	34.5	8.17	8.16	94.70	94.13	6.71	6.67	6.67	6.67	6.67	6.67	2.1	2.1	2.06	4.0	3.0	3.14	8.0	8.0	8.00	<1.6	1.6	1.60
						22.6		34.5		8.15		93.70		6.64						2.0			2.4			<1.6			<1.6		
						22.6		34.5		8.17		94.00		6.66						2.1			2.7			<1.6			<1.6		
8-Dec-18	Fine	Calm	1:59	Surface	1	21.6	21.5	31.1	31.1	8.21	8.21	81.00	79.57	5.53	5.43	5.41	2.5	2.5	2.60	10.7	10.7	10.99	2.0	2.0	2.00	<1.6	1.6	1.60			
						21.5		31.1		8.22		78.50		5.35			2.5			11.0			<1.6			<1.6					
						21.6		31.1		8.21		79.20		5.40			2.5			10.3			<1.6			<1.6					
				Middle	5.3	21.5	21.5	31.1	31.1	8.21	8.21	79.00	79.00	5.38	5.38	5.38	5.38	5.37	5.37	2.6	2.6	2.60	10.5	10.7	10.99	2.0	2.0	2.00	<1.6	1.6	1.60
						21.5		31.1		8.22		79.50		5.42						2.6			10.7			<1.6			<1.6		
						21.5		31.1		8.22		78.50		5.35						2.7			11.0			<1.6			<1.6		
				Bottom	10.3	21.5	21.5	31.1	31.1	8.21	8.21	78.70	78.77	5.36	5.37	5.37	5.37	5.37	5.37	2.7	2.7	2.70	11.9	11.6	10.99	2.0	2.0	2.00	<1.6	1.6	1.60
						21.5		31.2		8.22		79.40		5.42						2.6			11.6			<1.6			<1.6		
						21.5		31.1		8.21		78.20		5.33						2.7			11.2			<1.6			<1.6		
11-Dec-18	Fine	Moderate	2:05	Surface	1	21.5	21.5	34.7	34.7	8.31	8.31	84.20	84.93	6.07	6.12	6.13	1.5	1.4	1.67	4.5	4.4	3.76	2.0	2.0	1.78	<1.6	1.6	1.60			
						21.6		34.7		8.30		85.30		6.14			1.3			5.0			<1.6			<1.6					
						21.5		34.7		8.31		85.30		6.15			1.3			3.6			<1.6			<1.6					
				Middle	6.1	21.6	21.6	34.8	34.8	8.32	8.32	85.50	85.30	6.15	6.14	6.14	6.14	6.05	6.05	1.6	1.6	1.67	3.4	3.6	3.76	1.0	1.3	1.78	<1.6	1.6	1.60
						21.6		34.8		8.33		85.30		6.14						1.7			4.5			<1.6			<1.6		
						21.6		34.8		8.31		85.10		6.12						1.6			2.9			<1.6			<1.6		
				Bottom	12.3	21.6	21.6	34.8	34.8	8.31	8.32	84.60	84.13	6.09	6.05	6.05	6.05	6.05	6.05	1.9	2.0	2.00	4.0	3.3	3.76	2.0	2.0	1.78	<1.6	1.6	1.60
						21.6		34.8		8.32		83.40		6.00						2.0			2.9			<1.6			<1.6		
						21.6		34.8		8.32		84.40		6.07						2.1			3.0			<1.6			<1.6		
13-Dec-18	Cloudy	Moderate	2:41	Surface	1	21.5	21.5	33.6	33.5	8.14	8.13	89.70	89.07	6.51	6.47	6.47	1.9	1.8	1.82	4.0	4.3	3.96	<1	1.0	1.00	<1.6	1.6	1.60			
						21.5		33.5		8.13		89.20		6.47			1.8			4.2			<1			<1.6					
						21.5		33.5		8.13		88.30		6.42			1.8			4.7			<1			<1.6					
				Middle	6.1	21.6	21.6	33.6	33.6	8.14	8.14	88.50	89.13	6.42	6.47	6.47	6.47	6.43	6.43	1.9	1.8	1.82	3.9	4.1	3.96	<1	1.0	1.00	<1.6	1.6	1.60
						21.5		33.6		8.14		89.10		6.47						1.8			4.3			<1			<1.6		
						21.6		33.6		8.15		89.80		6.51						1.8			4.1			<1			<1.6		
				Bottom	11.0	21.5	21.6	33.6	33.6	8.14	8.14	87.20	88.50	6.33	6.43	6.43	6.43	6.43	6.43	1.8	1.8	1.82	3.8	3.5	3.96	<1	1.0	1.00	<1.6	1.6	1.60
						21.6		33.6		8.15		89.50		6.49						1.8			3.3			<1			<1.6		
						21.5		33.6		8.14		88.80		6.46						1.8			3.3			<1			<1.6		

Water Quality Monitoring Results at CS2 - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
15-Dec-18	Cloudy	Moderate	4:24	Surface	1	20.2	20.2	33.9	33.9	8.28	8.28	86.60	87.73	6.34	6.42	6.37	1.7	1.7	1.72	2.9	3.1	2.19	2.0	1.3	1.22	<1.6	1.6	1.60			
						20.2		33.9		8.30		85.10		6.23			1.8			3.0			1.0			<1.6					
						20.2		33.9		8.27		91.50		6.69			1.0			3.4			1.0			<1.6					
				Middle	6.1	20.2	20.2	33.9	33.9	8.28	8.28	86.20	86.37	6.31	6.32	6.37	1.7	1.7	1.72	1.6	1.7	2.19	1.6	1.7	2.19	1.0	1.3	1.22	<1.6	1.6	1.60
						20.2		33.9		8.30		85.10		6.22			1.7			1.9			1.0			<1.6					
						20.2		33.9		8.27		87.80		6.43			1.0			1.5			1.0			<1.6					
Bottom	11.1	20.2	20.2	33.9	33.9	8.30	8.28	85.00	85.90	6.22	6.29	6.29	1.7	1.7	1.72	1.6	1.8	2.19	1.6	1.8	2.19	2.0	1.3	1.22	<1.6	1.6	1.60				
		20.2		33.9		8.28		87.10		6.38			1.7			2.0			1.0			<1.6									
		20.2		33.9		8.27		85.60		6.27			1.8			1.8			1.0			<1.6									
18-Dec-18	Fine	Moderate	7:40	Surface	1	21.6	21.6	33.4	33.4	8.24	8.24	84.60	84.70	5.72	5.73	5.74	2.3	2.3	2.28	6.6	6.8	8.68	<1	1.0	1.00	<1.6	1.6	1.60			
						21.6		33.4		8.25		84.40		5.71			2.3			7.0			<1			<1.6					
						21.6		33.4		8.24		85.10		5.76			2.4			6.7			<1			<1.6					
				Middle	6.0	21.4	21.4	33.4	33.4	8.25	8.25	84.00	84.57	5.71	5.74	5.77	2.2	2.3	2.28	6.9	8.7	8.68	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						21.4		33.4		8.25		85.70		5.81			2.4			8.8			<1			<1.6					
						21.4		33.4		8.25		84.00		5.71			2.2			8.4			<1			<1.6					
Bottom	11.0	21.3	21.3	33.5	33.4	8.26	8.25	86.70	84.90	5.90	5.77	5.77	2.4	2.2	2.28	10.7	10.6	8.68	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60				
		21.4		33.4		8.25		84.40		5.74			2.2			10.4			<1			<1.6									
		21.4		33.4		8.25		83.60		5.68			2.1			10.6			<1			<1.6									
20-Dec-18	Cloudy	Moderate	9:38	Surface	1	20.3	20.3	34.8	34.8	8.44	8.44	97.00	97.03	7.14	7.14	7.14	1.7	1.6	1.91	7.1	7.0	7.61	<1	1.0	1.00	<1.6	1.6	1.60			
						20.3		34.8		8.44		96.90		7.13			1.5			6.8			<1			<1.6					
						20.3		34.8		8.44		97.20		7.15			1.6			7.0			<1			<1.6					
				Middle	6.2	20.3	20.3	34.8	34.8	8.44	8.44	96.80	96.90	7.12	7.13	7.13	1.8	1.8	1.91	7.4	7.3	7.61	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						20.3		34.8		8.44		96.90		7.13			1.8			7.1			<1			<1.6					
						20.3		34.8		8.44		97.00		7.14			1.9			7.5			<1			<1.6					
Bottom	11.4	20.3	20.3	34.9	34.9	8.45	8.45	96.70	96.87	7.12	7.13	7.13	2.4	2.3	2.3	8.4	8.5	7.61	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60				
		20.3		34.9		8.45		97.10		7.15			2.3			8.6			<1			<1.6									
		20.3		34.9		8.45		96.80		7.13			2.2			8.6			<1			<1.6									
22-Dec-18	Cloudy	Moderate	23:32	Surface	1	20.5	20.5	34.7	34.7	8.32	8.32	96.90	97.17	6.73	6.75	6.75	2.3	2.3	2.59	4.1	4.0	4.34	6.0	5.3	6.11	<1.6	1.6	1.60			
						20.6		34.7		8.31		97.20		6.76			2.2			3.9			5.0			<1.6					
						20.6		34.8		8.32		97.40		6.77			2.3			4.1			5.0			<1.6					
				Middle	6.1	20.5	20.5	34.8	34.8	8.34	8.34	96.60	96.97	6.72	6.74	6.74	2.7	2.6	2.59	4.0	3.9	4.34	7.0	8.0	4.34	7.7	5.3	6.11	<1.6	1.6	1.60
						20.5		34.8		8.34		96.90		6.73			2.5			3.9			8.0			<1.6					
						20.5		34.8		8.34		97.40		6.78			2.6			3.9			8.0			<1.6					
Bottom	11.2	20.5	20.5	34.8	34.8	8.34	8.34	96.40	96.53	6.71	6.72	6.72	2.8	2.9	2.9	5.0	5.1	4.34	5.0	6.0	4.34	5.3	5.3	6.11	<1.6	1.6	1.60				
		20.5		34.8		8.34		96.80		6.74			2.9			5.3			5.0			<1.6									
		20.5		34.8		8.35		96.40		6.71			3.0			4.9			6.0			<1.6									
27-Dec-18	Cloudy	Moderate	2:49	Surface	1	20.6	20.6	34.6	34.6	8.28	8.26	87.60	84.97	6.43	6.24	6.21	3.0	3.1	3.11	3.5	3.7	3.88	6.0	6.0	6.00	<1.6	1.6	1.60			
						20.6		34.6		8.26		84.20		6.18			3.1			4.0			6.0			<1.6					
						20.6		34.6		8.25		83.10		6.10			3.1			3.6			6.0			<1.6					
				Middle	6.0	20.6	20.6	34.6	34.6	8.26	8.28	83.00	84.20	6.09	6.18	6.18	3.1	3.1	3.11	3.7	3.6	3.88	6.0	6.0	3.88	6.0	6.0	6.00	<1.6	1.6	1.60
						20.6		34.6		8.28		83.80		6.15			3.2			6.0			6.0			<1.6					
						20.6		34.6		8.30		85.80		6.30			3.1			3.7			6.0			<1.6					
Bottom	11.1	20.6	20.6	34.6	34.6	8.32	8.29	85.20	83.87	6.26	6.16	6.16	3.1	3.1	3.11	4.8	4.3	3.88	6.0	6.0	3.88	6.0	6.0	6.00	<1.6	1.6	1.60				
		20.6		34.6		8.28		82.80		6.08			3.2			4.2			6.0			<1.6									
		20.6		34.6		8.28		83.60		6.14			3.1			3.9			6.0			<1.6									
29-Dec-18	Fine	Moderate	5:33	Surface	1	20.8	20.8	33.4	33.4	8.06	8.06	83.90	84.00	6.18	6.19	6.17	1.9	1.9	2.17	4.3	4.5	4.69	1.0	1.0	1.22	<1.6	1.6	1.60			
						20.8		33.4		8.06		83.90		6.18			1.9			4.3			1.0			<1.6					
						20.8		33.4		8.06		84.20		6.20			2.0			4.9			1.0			<1.6					
				Middle	6.1	20.8	20.8	33.4	33.4	8.06	8.06	83.80	83.67	6.17	6.16	6.16	2.1	2.1	2.17	4.7	4.5	4.69	1.0	1.0	4.69	1.3	1.3	1.22	<1.6	1.6	1.60
						20.8		33.4		8.06		83.60		6.16			2.2			4.5			1.0			<1.6					
						20.8		33.4		8.06		83.60		6.15			2.1			4.3			2.0			<1.6					
Bottom	11.3	20.8	20.8	33.4	33.4	8.06	8.06	83.50	83.60	6.15	6.15	6.15	2.4	2.4	2.4	4.9	5.1	4.69	1.0	1.0	4.69	1.3	1.3	1.22	<1.6	1.6	1.60				
		20.8		33.4		8.06		83.60		6.15			2.3			5.2			1.0			<1.6									
		20.8		33.4		8.06		83.70		6.16			2.6			5.1			2.0			<1.6									

Water Quality Monitoring Results at CS2 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*			
1-Dec-18	Sunny	Moderate	14:17	Surface	1	22.6	22.6	34.0	34.0	8.22	8.22	85.80	85.67	6.09	6.08	6.06	3.0	3.0	3.23	5.5	5.7	5.94	<1	1.0	1.00	<1.6	1.6	1.60			
						22.6		34.0		8.22		85.60		6.03			2.9			6.3			<1			<1.6					
						22.6		34.0		8.22		86.20		6.12			3.1			5.3			<1			<1.6					
				Middle	6.1	22.6	22.6	34.0	34.0	8.21	8.22	85.10	84.97	6.05	6.04	6.04	3.4	3.2	3.2	5.4	5.4	5.94	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						22.6		34.0		8.22		84.20		5.99			3.0			5.4			<1			<1.6					
						22.6		34.0		8.21		85.60		6.08			3.3			5.4			<1			<1.6					
				Bottom	11.0	22.6	22.6	34.0	34.0	8.21	8.22	84.60	85.03	6.01	6.04	6.04	3.8	3.5	3.5	7.0	6.7	5.94	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						22.6		34.0		8.23		84.90		6.03			3.4			7.1			<1			<1.6					
						22.6		34.0		8.23		84.90		6.03			3.4			7.1			<1			<1.6					
4-Dec-18	Sunny	Moderate	15:29	Surface	1	23.7	23.7	31.1	31.1	8.17	8.18	79.30	79.67	5.42	5.45	5.43	2.6	2.6	2.68	4.8	4.9	6.11	1.0	1.0	1.00	<1.6	1.6	1.60			
						23.7		31.1		8.17		79.90		5.47			2.6			5.0			<1			<1.6					
						23.7		31.1		8.17		79.80		5.46			4.9			1.0			<1			<1.6					
				Middle	6.0	23.6	23.6	31.1	31.1	8.20	8.18	79.10	79.23	5.41	5.41	5.39	2.7	2.7	2.7	5.2	5.9	6.11	1.0	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						23.6		31.1		8.18		79.80		5.38			2.7			6.2			<1			<1.6					
						23.6		31.0		8.18		78.50		5.37			2.7			6.2			<1			<1.6					
				Bottom	11.0	23.6	23.6	31.0	31.0	8.21	8.19	78.70	78.87	5.38	5.39	5.39	2.8	2.7	2.7	7.4	7.6	6.11	1.0	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						23.6		31.0		8.17		79.40		5.43			2.7			7.5			<1			<1.6					
						23.7		31.0		8.17		79.40		5.43			2.7			7.5			<1			<1.6					
6-Dec-18	Fine	Moderate	6:08	Surface	1	22.7	22.7	34.4	34.4	8.13	8.14	95.20	95.13	6.73	6.73	6.69	1.9	2.0	1.99	3.5	3.8	3.61	8.0	8.0	8.00	<1.6	1.6	1.60			
						22.7		34.4		8.16		95.40		6.75			2.0			4.0			<1			<1.6					
						22.7		34.4		8.14		94.80		6.70			2.1			3.9			<1			<1.6					
				Middle	6.3	22.5	22.5	34.5	34.5	8.18	8.17	94.20	93.93	6.67	6.66	6.59	1.9	1.9	1.99	3.0	3.3	3.61	8.0	8.0	8.00	<1	1.0	1.00	<1.6	1.6	1.60
						22.5		34.5		8.17		94.20		6.68			1.9			3.5			<1			<1.6					
						22.5		34.5		8.17		93.40		6.62			2.0			3.3			<1			<1.6					
				Bottom	11.6	22.5	22.5	34.6	34.6	8.19	8.18	92.70	92.90	6.57	6.59	6.59	2.0	2.0	2.0	3.9	3.8	3.61	8.0	8.0	8.00	<1	1.0	1.00	<1.6	1.6	1.60
						22.5		34.6		8.17		93.20		6.61			2.1			3.6			<1			<1.6					
						22.5		34.6		8.17		92.80		6.58			2.0			3.8			<1			<1.6					
8-Dec-18	Fine	Calm	8:02	Surface	1	21.6	21.6	31.1	31.1	8.21	8.22	78.10	78.47	5.29	5.32	5.30	3.0	3.0	3.08	10.3	10.3	11.39	2.0	2.0	2.00	<1.6	1.6	1.60			
						21.6		31.1		8.23		78.70		5.34			3.0			10.5			<1			<1.6					
						21.6		31.1		8.21		78.60		5.33			3.0			10.2			<1			<1.6					
				Middle	5.7	21.5	21.5	31.1	31.1	8.24	8.22	77.90	78.03	5.28	5.28	5.26	3.1	3.1	3.1	11.6	11.6	11.39	2.0	2.0	2.00	<1	1.0	1.00	<1.6	1.6	1.60
						21.6		31.1		8.21		78.60		5.32			3.1			11.8			<1			<1.6					
						21.5		31.1		8.22		77.60		5.25			3.1			11.5			<1			<1.6					
				Bottom	11.4	21.5	21.5	31.1	31.1	8.22	8.23	77.30	77.67	5.24	5.26	5.26	3.1	3.1	3.1	11.9	12.2	11.39	2.0	2.0	2.00	<1	1.0	1.00	<1.6	1.6	1.60
						21.5		31.1		8.25		77.50		5.25			3.2			12.0			<1			<1.6					
						21.6		31.1		8.21		78.20		5.30			3.1			12.7			<1			<1.6					
11-Dec-18	Fine	Moderate	9:16	Surface	1	21.7	21.7	34.7	34.7	8.28	8.30	94.70	93.93	6.80	6.75	6.76	6.1	6.0	6.66	18.1	18.9	17.50	<1	1.0	1.00	<1.6	1.6	1.60			
						21.7		34.7		8.31		93.40		6.71			6.0			19.8			<1			<1.6					
						21.7		34.7		8.30		93.70		6.73			6.0			18.7			<1			<1.6					
				Middle	5.8	21.7	21.7	34.7	34.7	8.30	8.29	93.20	94.33	6.70	6.78	6.83	6.3	6.1	6.1	19.5	18.6	17.50	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						21.7		34.7		8.29		93.40		6.71			5.9			18.3			<1			<1.6					
						21.7		34.7		8.28		96.40		6.93			6.2			18.1			<1			<1.6					
				Bottom	10.3	21.7	21.7	34.7	34.7	8.30	8.29	93.30	95.03	6.71	6.83	6.83	7.8	7.8	7.8	15.0	15.0	17.50	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						21.7		34.7		8.29		93.60		6.73			7.7			14.2			<1			<1.6					
						21.7		34.7		8.28		98.20		7.06			7.9			15.8			<1			<1.6					
13-Dec-18	Sunny	Moderate	11:02	Surface	1	21.7	21.7	33.4	33.4	8.16	8.16	93.40	93.37	6.76	6.76	6.74	4.1	4.1	4.33	0.8	0.8	1.02	<1	1.0	1.00	<1.6	1.6	1.60			
						21.7		33.4		8.15		93.40		6.76			4.2			0.8			<1			<1.6					
						21.7		33.4		8.16		93.30		6.75			4.0			0.9			<1			<1.6					
				Middle	5.7	21.7	21.7	33.5	33.5	8.16	8.15	92.40	92.80	6.69	6.71	6.69	4.4	4.4	4.4	0.9	0.9	1.02	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						21.7		33.5		8.15		93.00		6.73			4.4			0.6			<1			<1.6					
						21.7		33.5		8.15		93.00		6.72			4.5			1.1			<1			<1.6					
				Bottom	10.5	21.7	21.7	33.6	33.6	8.15	8.15	92.90	92.50	6.72	6.69	6.69	4.4	4.5	4.5	1.0	1.4	1.02	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						21.7		33.6		8.16		91.70		6.63			1.2			<1			<1.6								
						21.7		33.6		8.15		92.90		6.71			1.9			<1			<1.6								

Water Quality Monitoring Results at CS2 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value
15-Dec-18	Fine	Moderate	13:12	Surface	1	20.4	33.9	8.21	8.22	85.00	6.22	1.8	6.31	1.8	1.8	1.83	4.7	1.0	1.00	1.0	1.00	1.0	1.60	1.0	1.6	1.0	1.6	
						20.4	33.9	8.22	8.22	85.80	6.28	1.8					5.0	4.7		1.0		1.0		1.0		1.0		
						20.4	33.9	8.23	8.22	89.00	6.51	1.8					4.5	4.7		1.0		1.0		1.0				
				Middle	6.1	20.4	33.9	8.24	8.22	87.50	6.40	1.9	2.29	2.4	2.4	2.29	3.8	1.0	1.00	1.0	1.00	1.0	1.60	1.0	1.6	1.0	1.6	
						20.4	33.9	8.21	8.22	84.90	6.22	1.9					3.3	3.5		1.0		1.0		1.0				
						20.4	33.9	8.22	8.22	85.40	6.25	1.9					3.3	3.5		1.0		1.0		1.0				
Bottom	11.0	20.4	33.9	8.25	8.23	86.60	6.34	1.8	5.66	2.4	2.4	5.66	3.0	1.0	1.00	1.0	1.00	1.0	1.60	1.0	1.6	1.0	1.6					
		20.4	33.9	8.21	8.23	84.90	6.21	1.8					2.8	3.0		1.0		1.0		1.0								
		20.4	33.9	8.22	8.23	85.20	6.24	1.8					3.2	3.0		1.0		1.0		1.0								
18-Dec-18	Sunny	Moderate	14:12	Surface	1	22.4	33.3	8.26	8.26	83.30	5.63	2.1	5.66	2.1	2.29	5.66	5.7	<1	1.00	<1	1.00	<1	1.60	<1	1.6	<1	1.6	
						22.4	33.3	8.26	8.26	84.80	5.73	2.0					6.0	5.9		<1		1.0		<1		<1		
						22.4	33.3	8.26	8.26	83.40	5.64	2.1					5.9	5.9		<1		1.0		<1		<1		
				Middle	6.2	22.3	33.3	8.26	8.26	83.90	5.67	2.5	5.66	2.4	2.4	5.66	7.3	<1	1.00	<1	1.00	<1	1.60	<1	1.6	<1	1.6	
						22.3	33.4	8.26	8.26	83.40	5.64	2.4					7.8	7.7		<1		1.0		<1		<1		
						22.3	33.4	8.26	8.26	83.30	5.63	2.4					7.9	7.7		<1		1.0		<1		<1		
Bottom	11.4	22.3	33.4	8.26	8.26	83.20	5.62	2.4	5.66	2.4	2.4	5.66	8.6	<1	1.00	<1	1.00	<1	1.60	<1	1.6	<1	1.6					
		22.3	33.4	8.27	8.26	83.80	5.66	2.4					8.4	8.6		<1		1.0		<1		<1						
		22.4	33.3	8.26	8.26	83.30	5.63	2.3					8.7	8.6		<1		1.0		<1		<1						
20-Dec-18	Cloudy	Moderate	4:34	Surface	1	20.2	34.8	8.34	8.34	97.00	7.14	2.2	7.15	2.2	2.56	7.15	8.3	<1	1.00	<1	1.00	<1	1.60	<1	1.6	<1	1.6	
						20.2	34.8	8.34	8.34	97.00	7.14	2.1					8.4	8.3		<1		1.0		<1		<1		
						20.2	34.8	8.34	8.34	97.10	7.15	2.2					8.2	8.3		<1		1.0		<1		<1		
				Middle	6.3	20.1	34.8	8.35	8.34	97.20	7.16	2.3	7.15	2.4	2.4	7.15	8.9	<1	1.00	<1	1.00	<1	1.60	<1	1.6	<1	1.6	
						20.1	34.8	8.34	8.34	97.20	7.16	2.4					8.6	8.8		<1		1.0		<1		<1		
						20.1	34.8	8.34	8.34	97.00	7.14	2.5					8.9	8.8		<1		1.0		<1		<1		
Bottom	11.6	20.1	34.8	8.35	8.35	97.20	7.16	3.0	7.17	3.1	3.1	7.17	9.6	<1	1.00	<1	1.00	<1	1.60	<1	1.6	<1	1.6					
		20.1	34.8	8.35	8.35	97.60	7.19	3.2					9.6	9.7		1.0		1.0		1.0								
		20.1	34.8	8.35	8.35	97.30	7.16	3.1					9.9	9.7		1.0		1.0		1.0								
22-Dec-18	Cloudy	Moderate	6:15	Surface	1	20.5	34.8	8.38	8.38	101.30	7.06	2.0	7.03	2.0	2.68	7.03	9.1	5.0	5.44	5.0	5.44	5.0	1.60	5.0	1.6	5.0	1.6	
						20.5	34.8	8.38	8.38	100.90	7.03	2.0					8.9	9.1		5.0		5.3		<1		<1		
						20.5	34.8	8.38	8.38	101.10	7.03	2.0					9.2	9.1		5.0		5.3		<1		<1		
				Middle	6.2	20.5	34.8	8.39	8.39	100.90	7.02	2.6	7.03	2.6	2.6	7.03	11.0	6.0	1.00	6.0	1.00	6.0	1.60	6.0	1.6	6.0	1.6	
						20.5	34.8	8.39	8.39	100.90	7.03	2.7					11.5	11.3		5.0		5.7		<1		<1		
						20.5	34.8	8.39	8.39	100.90	7.01	2.5					11.5	11.3		5.0		5.7		<1		<1		
Bottom	11.4	20.5	34.9	8.40	8.40	100.70	7.01	3.4	7.01	3.4	3.4	7.01	12.4	6.0	1.00	6.0	1.00	6.0	1.60	6.0	1.6	6.0	1.6					
		20.5	34.9	8.39	8.40	100.70	7.01	3.5					12.7	12.4		5.0		5.3		<1		<1						
		20.5	34.9	8.40	8.40	100.70	7.01	3.4					12.1	12.4		5.0		5.3		<1		<1						
27-Dec-18	Fine	Moderate	10:42	Surface	1	20.6	34.6	8.20	8.20	82.90	6.08	2.5	6.17	2.5	2.57	6.17	4.0	6.0	6.00	6.0	6.00	6.0	1.60	6.0	1.6	6.0	1.6	
						20.6	34.6	8.20	8.20	83.50	6.13	2.5					4.1	4.3		6.0		6.0		6.0		6.0		
						20.6	34.6	8.21	8.21	86.70	6.36	2.5					4.7	4.7		6.0		6.0		6.0		6.0		
				Middle	6.1	20.6	34.6	8.21	8.21	83.30	6.11	2.6	6.17	2.6	2.6	6.17	4.6	6.0	6.00	6.0	6.00	6.0	1.60	6.0	1.6	6.0	1.6	
						20.6	34.6	8.21	8.21	82.80	6.08	2.6					4.4	4.7		6.0		6.0		6.0		6.0		
						20.6	34.6	8.22	8.22	84.90	6.23	2.5					5.1	4.7		6.0		6.0		6.0		6.0		
Bottom	11.2	20.6	34.6	8.23	8.21	84.30	6.19	2.6	6.12	2.6	2.6	6.12	5.3	6.0	6.00	6.0	6.00	6.0	1.60	6.0	1.6	6.0	1.6					
		20.6	34.6	8.20	8.21	82.70	6.07	2.6					4.8	5.2		6.0		6.0		6.0		6.0						
		20.6	34.6	8.21	8.21	83.10	6.10	2.6					5.6	5.2		6.0		6.0		6.0		6.0						
29-Dec-18	Sunny	Moderate	12:47	Surface	1	20.8	33.3	8.05	8.05	84.90	6.25	2.2	6.26	2.1	2.23	6.26	3.0	2.0	1.67	2.0	1.67	2.0	1.60	2.0	1.6	2.0	1.6	
						20.8	33.3	8.05	8.05	84.90	6.25	2.1					2.8	2.8		2.0		1.7		<1		<1		
						20.8	33.3	8.05	8.05	85.00	6.26	2.0					2.7	2.8		2.0		1.7		<1		<1		
				Middle	6.2	20.7	33.4	8.06	8.06	85.10	6.27	2.3	6.26	2.3	2.3	6.26	3.6	2.0	1.67	2.0	1.67	2.0	1.60	2.0	1.6	2.0	1.6	
						20.7	33.4	8.06	8.06	85.20	6.28	2.3					3.3	3.4		2.0		1.3		<1		<1		
						20.7	33.4	8.06	8.06	85.00	6.27	2.3					3.3	3.4		2.0		1.3		<1		<1		
Bottom	11.4	20.8	33.4	8.06	8.06	84.40	6.22	2.3	6.24	2.3	2.3	6.24	3.3	2.0	2.00	2.0	2.00	2.0	1.60	2.0	1.6	2.0	1.6					
		20.7	33.4	8.06	8.06	84.70	6.24	2.2					3.6	3.6		2.0		2.0		2.0		2.0						
		20.7	33.4	8.06	8.06	84.90	6.25	2.4					3.9	3.6		2.0		2.0		2.0		2.0						

Water Quality Monitoring Results at CS3 - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value
1-Dec-18	Fine	Moderate	7:30	Surface	1	22.7	22.7	33.8	33.8	8.19	8.20	82.20	82.70	5.84	5.87	5.87	3.1	3.1	3.42	7.4	6.9	7.46	<1	1.0	1.00	<1.6	1.6	1.60
						22.7		33.9		8.20		83.30		5.91			3.3			6.2			<1			<1.6		
						22.6		33.9		8.20		82.60		5.86			3.0			7.2			<1			<1.6		
				Middle	3.9	22.6	34.0	8.21	82.60	5.87	3.4	3.5	10.2	<1	1.0	<1.6	1.6	1.60										
						22.6	33.9	8.22	83.30	5.92	3.4		11.2	1.0		<1.6												
						22.6	34.0	8.22	82.20	5.84	3.6		9.6	<1		<1.6												
				Bottom	6.6	22.6	34.0	8.23	81.40	5.78	3.7	3.7	4.6	1.0	1.0	<1.6	1.6	1.60										
						22.6	34.0	8.20	81.40	5.78	3.4		6.4	1.0		<1.6												
						22.6	34.1	8.23	81.90	5.82	3.9		4.3	1.0		<1.6												
4-Dec-18	Sunny	Moderate	10:04	Surface	1	23.6	23.6	31.1	31.1	8.19	8.18	84.50	81.63	5.81	5.61	5.58	2.5	2.4	2.42	6.0	6.1	5.21	1.0	1.0	1.00	<1.6	1.6	1.60
						23.6		31.1		8.18		80.70		5.55			2.4			6.2			<1.6			<1.6		
						23.6		31.1		8.18		79.70		5.48			2.4			6.0			<1.6			<1.6		
				Middle	3.8	23.6	31.1	8.18	79.60	5.47	2.4	2.4	5.4	1.0	1.0	<1.6	1.6	1.60										
						23.6	31.1	8.18	82.70	5.68	2.4		4.9	1.0		<1.6												
						23.6	31.1	8.18	80.20	5.51	2.4		4.4	1.0		<1.6												
				Bottom	6.4	23.6	31.1	8.21	81.90	5.63	2.4	2.4	4.8	<1	1.0	<1.6	1.6	1.60										
						23.5	31.1	8.19	80.00	5.50	2.5		4.8	1.0		<1.6												
						23.5	31.1	8.18	79.40	5.45	2.4		4.4	1.0		<1.6												
6-Dec-18	Sunny	Moderate	10:16	Surface	1	22.7	22.7	34.4	34.4	8.13	8.13	96.20	95.57	6.80	6.75	6.78	1.9	1.8	1.99	3.2	4.0	3.28	8.0	8.0	8.00	<1.6	1.6	1.60
						22.8		34.4		8.12		96.10		6.79			1.8			4.8			8.0			<1.6		
						22.8		34.4		8.13		94.40		6.67			1.8			3.9			8.0			<1.6		
				Middle	3.5	22.6	34.5	8.15	95.80	6.78	1.9	1.9	4.4	8.0	1.0	<1.6	1.6	1.60										
						22.6	34.5	8.14	96.10	6.80	1.9		2.8	8.0		<1.6												
						22.6	34.5	8.15	96.30	6.82	2.0		3.8	8.0		<1.6												
				Bottom	6.8	22.6	34.5	8.16	93.40	6.61	2.1	2.2	8.0	8.0	1.0	<1.6	1.6	1.60										
						22.6	34.5	8.15	93.70	6.64	2.2		2.5	8.0		<1.6												
						22.6	34.5	8.18	93.90	6.65	2.3		1.7	8.0		<1.6												
8-Dec-18	Fine	Calm	2:29	Surface	1	21.5	21.5	31.1	31.1	8.23	8.22	83.30	80.43	5.88	5.48	5.45	2.9	2.8	2.82	12.5	12.7	13.38	2.0	2.0	2.00	<1.6	1.6	1.60
						21.5		31.1		8.22		79.50		5.42			2.8			12.9			2.0			<1.6		
						21.5		31.1		8.22		78.50		5.35			2.8			12.8			2.0			<1.6		
				Middle	3.1	21.5	31.1	8.24	81.50	5.55	2.8	2.8	12.6	2.0	1.0	<1.6	1.6	1.60										
						21.5	31.1	8.22	78.40	5.34	2.8		13.0	2.0		<1.6												
						21.4	31.1	8.22	79.00	5.38	2.8		12.6	2.0		<1.6												
				Bottom	6.1	21.5	31.1	8.25	80.70	5.50	2.8	2.8	14.2	2.0	1.0	<1.6	1.6	1.60										
						21.4	31.1	8.23	78.80	5.37	2.9		14.6	2.0		<1.6												
						21.4	31.1	8.22	78.20	5.32	2.8		15.2	2.0		<1.6												
11-Dec-18	Fine	Moderate	2:27	Surface	1	21.5	21.5	34.7	34.7	8.26	8.25	84.70	84.13	6.10	6.06	6.07	1.3	1.2	1.77	4.7	4.7	3.77	2.0	2.0	1.67	<1.6	1.6	1.60
						21.5		34.7		8.25		84.20		6.07			1.2			5.1			2.0			<1.6		
						21.5		34.6		8.24		83.50		6.02			1.2			4.2			2.0			<1.6		
				Middle	3.8	21.6	34.8	8.26	84.20	6.06	1.5	1.6	3.3	2.0	1.0	<1.6	1.6	1.60										
						21.6	34.8	8.28	83.90	6.04	1.7		4.4	2.0		<1.6												
						21.6	34.8	8.27	84.80	6.11	1.5		2.4	1.0		<1.6												
				Bottom	6.7	21.6	34.8	8.28	82.30	5.92	2.6	2.5	3.4	1.0	1.3	<1.6	1.6	1.60										
						21.6	34.8	8.28	83.60	6.02	2.5		3.0	2.0		<1.6												
						21.6	34.8	8.26	83.00	5.98	2.4		3.4	1.0		<1.6												
13-Dec-18	Cloudy	Moderate	3:09	Surface	1	21.5	21.5	33.5	33.5	8.14	8.14	88.90	88.87	6.45	6.45	6.45	1.4	1.5	1.50	4.0	4.2	4.02	<1	1.0	1.00	<1.6	1.6	1.60
						21.5		33.5		8.14		88.90		6.46			1.6			4.7			<1			<1.6		
						21.5		33.5		8.14		88.80		6.44			1.5			3.9			<1			<1.6		
				Middle	3.7	21.6	33.6	8.14	88.50	6.42	1.5	1.5	4.2	<1	1.0	<1.6	1.6	1.60										
						21.6	33.6	8.14	88.80	6.44	1.5		4.4	<1		<1.6												
						21.6	33.6	8.14	89.00	6.46	1.5		3.9	<1		<1.6												
				Bottom	6.3	21.6	33.6	8.14	88.60	6.42	1.5	1.5	3.9	<1	1.0	<1.6	1.6	1.60										
						21.6	33.6	8.14	87.40	6.33	1.5		3.3	<1		<1.6												
						21.5	33.6	8.14	88.20	6.40	1.5		3.9	<1		<1.6												

Water Quality Monitoring Results at CS3 - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)																		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*														
15-Dec-18	Cloudy	Moderate	4:49	Surface	1	20.2	20.2	33.9	33.9	8.22	8.22	85.50	86.10	6.25	6.30	6.29	2.1	2.2	2.18	3.3	3.4	3.71	2.0	1.3	1.22	<1.6	1.6	1.60																
						20.2		33.9		8.22		85.10		6.42															2.3	3.9	1.0	<1.6												
						20.2		33.9		8.23		85.10		6.22															2.1	3.1	1.0	<1.6												
				Middle	3.8	20.2	20.2	33.9	33.9	8.23	8.22	85.00	85.73	6.22	6.27		6.25	6.27		6.26	2.2		2.2	2.18		3.4	3.3		3.71	1.0	1.3	1.22	<1.6	1.6	1.60									
						20.2		33.9		8.22		86.80		6.35																						2.2	3.5	2.0	<1.6					
						20.2		33.9		8.22		85.40		6.25																						2.2	3.0	1.0	<1.6					
				Bottom	6.4	20.2	20.2	33.9	33.9	8.22	8.22	85.30	85.53	6.24	6.26		6.21	6.26			6.26		2.1			2.2	2.18			4.1	4.4		3.71	1.0		1.0	1.22	<1.6	1.6	1.60				
						20.2		33.9		8.22		84.90		6.21																											2.2	4.7	1.0	<1.6
						20.2		33.9		8.22		86.40		6.32																											2.2	4.4	1.0	<1.6
18-Dec-18	Fine	Moderate	8:02	Surface	1	21.6	21.6	33.3	33.3	8.25	8.25	83.70	84.20	5.69	5.72	5.73	2.0	2.0	2.09			7.3	7.3		7.93	<1		1.0		1.00	<1.6			1.6		1.60								
						21.6		33.3		8.25		84.40		5.74																								2.0	7.5		<1	<1.6		
						21.6		33.3		8.25		84.50		5.74																								1.9	7.0		<1	<1.6		
				Middle	3.7	21.5	21.5	33.3	33.3	8.25	8.25	84.10	84.13	5.73	5.73		5.73	5.73		5.72		2.1	2.1	2.09		7.8		8.0	7.93		<1	1.0		1.00	<1.6			1.6	1.60					
						21.5		33.4		8.25		84.00		5.73																											2.2	8.1	<1	<1.6
						21.4		33.4		8.25		84.30		5.74																											2.1	8.2	<1	<1.6
				Bottom	6.2	21.4	21.4	33.3	33.3	8.25	8.25	84.10	83.97	5.73	5.72		5.71	5.72			5.72	2.3	2.2			2.09	8.9	8.5			7.93	<1	1.0		1.00		<1.6	1.6		1.60				
						21.4		33.3		8.25		83.90		5.71																											2.1	8.3	<1	<1.6
						21.3		33.4		8.26		83.90		5.72																											2.1	8.3	<1	<1.6
20-Dec-18	Cloudy	Moderate	9:11	Surface	1	20.3	20.3	34.8	34.8	8.43	8.43	96.60	96.60	7.11	7.11	7.07	1.5	1.5	1.61			6.3	6.5		9.09		2.0	1.3		1.22		<1.6	1.6			1.60								
						20.3		34.8		8.43		96.50		7.10																							1.4	6.9			<1	<1.6		
						20.3		34.8		8.43		96.70		7.12																							1.6	6.4			1.0	<1.6		
				Middle	3.8	20.3	20.3	34.8	34.8	8.43	8.43	95.50	95.43	7.03	7.02		7.01	7.02		7.07		1.6	1.6	1.61			9.3	9.5	9.09			1.0	1.3	1.22			<1.6	1.6	1.60					
						20.3		34.8		8.44		95.20		7.01																											1.6	9.4	<1	<1.6
						20.3		34.8		8.44		95.60		7.03																											1.7	9.8	2.0	<1.6
				Bottom	6.6	20.3	20.3	34.9	34.9	8.45	8.44	97.10	96.87	7.14	7.13		7.13	7.13			7.13	1.7	1.7			1.61	10.9	11.2			9.09	1.0	1.0		1.22		<1.6	1.6		1.60				
						20.3		34.9		8.44		96.90		7.13																											1.7	11.5	<1	<1.6
						20.3		34.9		8.43		96.60		7.11																											1.7	11.3	<1	<1.6
22-Dec-18	Cloudy	Moderate	23:58	Surface	1	20.5	20.5	34.8	34.8	8.34	8.35	98.40	98.50	6.84	6.85	6.85	2.0	2.1	2.19			5.1	4.9		6.43		5.0	5.3		5.33		<1.6	1.6			1.60								
						20.5		34.8		8.35		98.80		6.87																							2.1	4.9			6.0	<1.6		
						20.5		34.8		8.35		98.30		6.84																							2.1	4.8			5.0	<1.6		
				Middle	3.8	20.5	20.5	34.8	34.8	8.36	8.36	98.80	98.57	6.87	6.86		6.84	6.86		6.85		2.3	2.3	2.19			6.6	6.8	6.43			5.0	5.3	5.33			<1.6	1.6	1.60					
						20.5		34.8		8.35		98.30		6.84																											2.2	7.0	5.0	<1.6
						20.5		34.8		8.35		98.60		6.86																											2.3	6.8	6.0	<1.6
				Bottom	6.6	20.5	20.5	34.8	34.8	8.37	8.36	98.40	98.27	6.85	6.84		6.84	6.84			6.84	2.3	2.2			2.19	7.4	7.6			6.43	5.0	5.3		5.33		<1.6	1.6		1.60				
						20.5		34.8		8.36		98.30		6.84																											2.2	7.5	5.0	<1.6
						20.5		34.8		8.36		98.10		6.83																											2.2	7.8	6.0	<1.6
27-Dec-18	Cloudy	Moderate	3:12	Surface	1	20.6	20.6	34.6	34.6	8.24	8.24	82.60	82.70	6.07	6.07	6.07	2.6	2.7	2.76			4.8	5.0		5.06		6.0	6.0		6.11		<1.6	1.6			1.60								
						20.6		34.6		8.25		82.70		6.07																							2.8	5.1			6.0	<1.6		
						20.6		34.6		8.25		82.80		6.07																							2.8	5.0			6.0	<1.6		
				Middle	3.7	20.6	20.6	34.6	34.6	8.24	8.25	82.60	82.60	6.06	6.06		6.07	6.06		6.04		2.7	2.7	2.76			5.4	5.2	5.06			7.0	6.3	6.11			<1.6	1.6	1.60					
						20.6		34.6		8.26		82.60		6.07																											2.7	5.0	6.0	<1.6
						20.6		34.6		8.26		82.60		6.06																											2.8	5.1	6.0	<1.6
				Bottom	6.4	20.6	20.6	34.6	34.6	8.27	8.25	82.20	82.33	6.03	6.04		6.05	6.04			6.04	2.8	2.8			2.76	5.4	5.0			5.06	6.0	6.0		6.11		<1.6	1.6		1.60				
						20.6		34.6		8.24		82.50		6.05																											2.8	4.4	6.0	<1.6
						20.6		34.6		8.24		82.30		6.05																											2.8	4.6	6.0	<1.6
29-Dec-18	Fine	Moderate	5:54	Surface	1	20.8	20.8	33.4	33.4	8.06	8.06	84.00	84.00	6.18	6.19	6.18	1.4	1.5	2.04			3.4	3.2		3.62		2.0	1.7		1.33		<1.6	1.6			1.60								
						20.8		33.4		8.06		84.00		6.19																							1.6	3.2			2.0	<1.6		
						20.8		33.4		8.06		84.00		6.19																							1.5	3.0			1.0	<1.6		
				Middle	3.8	20.8	20.8	33.4	33.4	8.06	8.06	84.00	83.93	6.18	6.18		6.18	6.18		6.16		2.2	2.3	2.04			3.6	3.8	3.62			2.0	1.3	1.33			-	-	1.60					
						20.8		33.4		8.06		84.00		6.18																											2.4	3.9	1.0	<1.6
						20.8		33.4		8.06		83.80		6.17																											2.4	4.0	1.0	<1.6
				Bottom	6.5	20.8	20.8	33.4	33.4	8.06	8.06	83.70	83.70	6.16	6.16		6.16	6.16			6.16	2.4	2.3			2.04	4.0	3.8			3.62	1.0	1.0		1.33		<1.6	1.6		1.60				
						20.8		33.4		8.06		83.70		6.16																											2.2	4.1	1.0	<1.6
						20.8		33.4		8.06		83.70		6.16																											2.3	3.8	1.0	<1.6

Remark:

The 500 mL amber glass bottles of CS3 (middle depth) at Mid-Ebb tide were broken during transit. The data of total PAHs of the mentioned stations were not able to record on 29 Dec 2018

Water Quality Monitoring Results at CS3 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
1-Dec-18	Sunny	Moderate	13:50	Surface	1	22.7	22.6	34.0	34.0	8.21	8.22	85.80	85.63	6.09	6.08	6.06	2.6	2.7	3.20	4.8	5.1	5.71	<1	1.0	1.33	<1.6	1.6	1.60
						22.6		34.0		8.22		85.50		6.07			2.8			4.8			1.0			<1.6		
						22.6		34.0		8.22		85.60		6.07			2.7			5.6			<1			<1.6		
				Middle	3.7	22.6	34.0	8.22	85.10	6.05	6.05	3.5	3.5	3.20	6.2	5.3	5.71	2.0	<1	1.3	1.33	<1.6	1.6	1.60				
						22.6	34.0	8.24	85.20	6.05					4.9	1.0	<1.6											
						22.6	34.0	8.22	85.40	6.07					3.5	<1	<1.6											
				Bottom	6.2	22.6	34.0	8.21	85.50	6.07	6.06	3.5	3.4	3.20	7.6	6.8	5.71	3.0	1.7	1.33	<1.6	1.6	1.60					
						22.6	34.0	8.22	85.50	6.07					6.3	<1	<1.6											
						22.6	34.0	8.25	85.20	6.05					6.5	<1	<1.6											
4-Dec-18	Sunny	Moderate	15:01	Surface	1	23.8	23.7	31.1	31.1	8.17	8.17	80.00	79.93	5.44	5.43	5.42	3.1	3.1	3.14	4.3	4.5	3.81	<1	1.0	1.00	<1.6	1.6	1.60
						23.7		31.1		8.18		79.60		5.40			3.2			4.6			<1			<1.6		
						23.7		31.1		8.20		80.20		5.44			4.5			<1			<1.6					
				Middle	3.8	23.7	31.1	8.17	79.40	5.39	5.40	3.1	3.2	3.14	3.1	3.8	3.81	4.0	1.0	1.0	1.00	<1.6	1.6	1.60				
						23.7	31.1	8.17	79.40	5.39					4.0	1.0	<1.6											
						23.6	31.1	8.21	79.10	5.37					3.2	1.0	<1.6											
				Bottom	6.4	23.7	31.1	8.18	79.10	5.37	5.38	3.1	3.1	3.14	3.1	3.1	3.14	3.0	1.0	1.0	1.00	<1.6	1.6	1.60				
						23.7	31.1	8.17	79.70	5.41					3.2	1.0	<1.6											
						23.7	31.1	8.17	79.70	5.41					3.1	1.0	<1.6											
6-Dec-18	Fine	Moderate	6:31	Surface	1	22.7	22.7	34.4	34.4	8.13	8.14	92.80	92.80	6.56	6.56	6.58	2.2	2.2	2.30	4.4	4.4	4.34	<1.6	8.0	8.00	<1.6	1.6	1.60
						22.7		34.4		8.15		92.80		6.56			2.2			4.5			8.0			<1.6		
						22.7		34.4		8.13		92.80		6.56			4.2			8.0			<1.6					
				Middle	3.8	22.6	34.5	8.16	94.60	6.70	6.60	2.3	2.2	2.30	2.3	3.9	4.34	3.7	8.0	8.00	8.00	<1.6	1.6	1.60				
						22.5	34.5	8.15	92.40	6.55					4.2	8.0	<1.6											
						22.6	34.5	8.16	92.50	6.56					2.3	8.0	<1.6											
				Bottom	6.5	22.5	34.5	8.18	92.30	6.54	6.54	2.6	2.5	2.30	2.6	4.8	4.34	5.1	8.0	8.00	8.00	<1.6	1.6	1.60				
						22.6	34.5	8.17	92.20	6.54					4.9	8.0	<1.6											
						22.6	34.5	8.14	92.20	6.53					2.5	8.0	<1.6											
8-Dec-18	Fine	Calm	7:15	Surface	1	21.6	21.6	31.1	31.1	8.21	8.21	78.80	78.73	5.31	5.30	5.29	3.5	3.5	3.54	10.0	10.0	11.49	2.0	2.0	1.89	<1.6	1.6	1.63
						21.6		31.2		8.21		78.40		5.27			3.6			9.6			2.0			<1.6		
						21.6		31.2		8.22		79.00		5.31			3.5			10.3			2.0			<1.6		
				Middle	3.4	21.5	31.2	8.24	78.20	5.26	5.27	3.5	3.6	3.54	3.6	11.7	11.49	11.5	2.0	2.0	1.89	<1.6	1.6	1.63				
						21.6	31.2	8.21	78.80	5.30					11.6	2.0	<1.6											
						21.6	31.2	8.21	78.20	5.26					12.1	2.0	<1.6											
				Bottom	6.7	21.5	31.1	8.25	77.90	5.24	5.25	3.5	3.5	3.54	3.5	12.8	11.49	12.8	2.0	1.7	1.89	1.9	<1.6	1.7	1.63			
						21.6	31.1	8.22	77.90	5.24					13.0	1.0	<1.6											
						21.5	31.1	8.21	78.50	5.28					12.5	2.0	<1.6											
11-Dec-18	Fine	Moderate	9:04	Surface	1	21.7	21.7	34.8	34.8	8.27	8.27	93.80	94.43	6.74	6.78	6.79	3.9	3.9	4.33	11.0	10.4	8.96	<1	1.0	1.00	<1.6	1.6	1.60
						21.7		34.8		8.28		94.40		6.78			4.0			10.4			<1			<1.6		
						21.7		34.8		8.25		95.10		6.83			3.8			9.8			<1			<1.6		
				Middle	3.7	21.7	34.8	8.24	96.00	6.89	6.79	4.7	4.7	4.33	4.7	7.7	8.96	8.4	1.0	1.0	1.00	<1	<1.6	1.6	1.60			
						21.7	34.8	8.26	93.50	6.72					7.5	1.0	<1.6											
						21.7	34.8	8.28	94.20	6.76					4.5	<1	<1.6											
				Bottom	6.3	21.7	34.8	8.27	94.10	6.76	6.88	4.5	4.4	4.33	4.5	8.8	8.96	9.4	1.0	1.0	1.00	<1	<1.6	1.6	1.60			
						21.7	34.8	8.25	98.50	7.07					7.9	<1	<1.6											
						21.7	34.8	8.25	94.80	6.81					9.1	<1	<1.6											
13-Dec-18	Sunny	Moderate	10:47	Surface	1	21.7	21.7	33.5	33.5	8.16	8.16	93.90	94.40	6.79	6.83	6.81	3.3	3.4	3.43	1.8	1.4	1.40	<1	1.0	1.00	<1.6	1.6	1.60
						21.7		33.5		8.16		93.10		6.74			1.1			1.0			<1			<1.6		
						21.7		33.5		8.16		96.20		6.96			3.5			<1			<1.6					
				Middle	3.8	21.7	33.5	8.16	94.90	6.87	6.79	3.5	3.4	3.43	3.5	2.0	1.40	2.2	1.0	1.0	1.00	<1	<1.6	1.6	1.60			
						21.7	33.5	8.16	93.00	6.73					1.8	<1	<1.6											
						21.7	33.5	8.16	93.50	6.76					1.9	<1	<1.6											
				Bottom	6.6	21.7	33.5	8.16	93.40	6.75	6.77	3.5	3.5	3.43	3.5	0.9	1.40	0.8	1.0	1.0	1.00	<1	<1.6	1.6	1.60			
						21.7	33.5	8.17	94.50	6.84					1.1	<1	<1.6											
						21.7	33.5	8.16	93.00	6.73					0.7	<1	<1.6											

Water Quality Monitoring Results at CS3 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)								
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*				
15-Dec-18	Fine	Moderate	12:45	Surface	1	20.4	33.9	33.9	33.9	8.22	8.22	86.90	6.36	2.0	1.9	6.26	2.0	1.9	1.92	3.3	3.6	3.18	2.0	1.0	1.33	1.6	1.6	1.6						
						20.4	33.9	33.9	8.21	8.22	85.10	6.23	6.27	1.9	1.9														3.5	3.0	1.0	1.0	<1.6	<1.6
						20.4	33.9	33.9	8.22	8.22	84.80	6.21	6.27	1.8	1.9														3.9	3.0	1.0	1.0	<1.6	<1.6
				Middle	3.9	20.4	33.9	33.9	8.23	8.22	86.40	6.32	84.80	85.43	6.20	6.25	2.0	2.0	2.26	2.4	2.4	2.26	6.7	6.5	6.24	2.0	1.0	1.00	1.6	1.6	1.6			
						20.4	33.9	33.9	8.22	8.22	84.80	6.20	6.25	1.9	2.0	2.8	3.0	2.0														2.0	<1.6	<1.6
						20.4	33.9	33.9	8.21	8.22	85.10	6.22	6.22	2.0	2.0	3.4	3.0	2.0														2.0	<1.6	<1.6
				Bottom	6.5	20.4	33.9	33.9	8.22	8.22	84.70	6.20	85.70	85.13	6.27	6.23	1.9	1.9	6.23	1.9	1.9	6.23	2.4	2.9	3.18	1.0	1.0	1.33	1.6	1.6	1.6			
						20.4	33.9	33.9	8.24	8.22	85.70	6.27	6.23	1.9	1.9	3.2	2.9	1.0														1.0	<1.6	<1.6
						20.4	33.9	33.9	8.21	8.22	85.00	6.22	6.23	1.9	1.9	2.9	2.9	1.0														1.0	<1.6	<1.6
18-Dec-18	Sunny	Moderate	13:40	Surface	1	22.3	33.4	33.3	33.3	8.28	8.28	84.30	5.70	2.1	2.0	5.68	2.0	2.0	2.26	5.8	5.9	6.24	2.0	1.0	1.00	1.6	1.6	1.6						
						22.4	33.3	33.3	8.28	8.28	84.40	5.70	5.69	1.9	1.9														6.1	6.5	1.0	1.0	<1.6	<1.6
						22.4	33.3	33.3	8.28	8.28	84.00	5.68	5.67	2.4	2.4														6.3	6.5	1.0	1.0	<1.6	<1.6
				Middle	3.9	22.3	33.4	33.4	8.28	8.28	83.50	5.65	83.90	83.90	5.68	5.67	2.4	2.4	5.66	2.4	2.4	5.66	6.4	6.4	6.24	2.0	1.0	1.00	1.6	1.6	1.6			
						22.3	33.4	33.4	8.27	8.28	84.00	5.68	5.67	2.4	2.4	6.3	6.5	1.0														1.0	<1.6	<1.6
						22.3	33.4	33.4	8.28	8.28	84.20	5.69	5.66	2.3	2.4	6.5	6.5	1.0														1.0	<1.6	<1.6
				Bottom	6.7	22.2	33.4	33.4	8.28	8.28	83.20	5.63	84.10	83.67	5.69	5.66	2.4	2.4	5.66	2.4	2.4	5.66	6.4	6.4	6.24	2.0	1.0	1.00	1.6	1.6	1.6			
						22.3	33.4	33.4	8.28	8.28	84.10	5.69	5.66	2.4	2.4	6.4	6.4	1.0														1.0	<1.6	<1.6
						22.3	33.4	33.4	8.28	8.28	83.70	5.66	5.66	2.4	2.4	6.5	6.5	1.0														1.0	<1.6	<1.6
20-Dec-18	Cloudy	Moderate	4:59	Surface	1	20.2	34.8	34.8	34.8	8.34	8.34	94.50	6.96	2.0	2.0	7.02	2.0	2.0	2.18	8.9	9.1	9.88	2.0	1.0	1.00	1.6	1.6	1.6						
						20.2	34.8	34.8	8.34	8.34	94.70	6.97	6.96	2.1	2.1														9.3	9.5	1.0	1.0	<1.6	<1.6
						20.2	34.8	34.8	8.34	8.34	94.40	6.94	6.96	2.0	2.0														9.1	9.5	1.0	1.0	<1.6	<1.6
				Middle	3.9	20.2	34.8	34.8	8.34	8.35	96.20	7.08	96.00	96.20	7.07	7.08	2.1	2.1	7.02	2.1	2.1	7.02	10.5	10.4	9.88	2.0	1.0	1.00	1.6	1.6	1.6			
						20.2	34.8	34.8	8.35	8.35	96.00	7.07	7.08	2.1	2.1	10.1	10.4	1.0														1.0	<1.6	<1.6
						20.2	34.8	34.8	8.35	8.35	96.40	7.09	7.08	2.2	2.2	10.6	10.6	1.0														1.0	<1.6	<1.6
				Bottom	6.8	20.1	34.8	34.8	8.35	8.36	96.90	7.13	96.60	96.73	7.11	7.12	2.3	2.4	7.12	2.4	2.4	7.12	10.3	10.1	9.88	2.0	1.0	1.00	1.6	1.6	1.6			
						20.1	34.8	34.8	8.36	8.36	96.60	7.11	7.12	2.4	2.4	10.0	10.1	1.0														1.0	<1.6	<1.6
						20.1	34.8	34.8	8.36	8.36	96.70	7.12	7.12	2.4	2.4	10.1	10.1	1.0														1.0	<1.6	<1.6
22-Dec-18	Cloudy	Moderate	5:48	Surface	1	20.5	34.8	34.8	34.8	8.37	8.37	101.00	7.03	2.3	2.2	7.02	2.2	2.2	2.39	9.9	9.8	11.01	2.2	5.3	5.11	1.6	1.6	1.6						
						20.5	34.8	34.8	8.37	8.37	101.00	7.03	7.02	2.1	2.1														10.1	9.5	5.0	5.0	<1.6	<1.6
						20.5	34.8	34.8	8.37	8.37	100.60	7.01	7.01	2.2	2.2														9.5	9.5	5.0	5.0	<1.6	<1.6
				Middle	3.9	20.5	34.8	34.8	8.38	8.38	100.90	7.03	100.70	100.70	7.03	7.01	2.5	2.5	7.02	2.5	2.5	7.02	10.5	10.6	11.01	2.0	5.0	5.11	1.6	1.6	1.6			
						20.5	34.8	34.8	8.38	8.38	100.50	6.99	7.01	2.4	2.4	10.3	10.6	5.0														5.0	<1.6	<1.6
						20.5	34.8	34.8	8.38	8.38	100.70	7.02	7.01	2.5	2.5	10.9	10.9	5.0														5.0	<1.6	<1.6
				Bottom	6.8	20.5	34.8	34.8	8.39	8.39	100.40	6.98	100.57	100.57	6.98	6.99	2.5	2.5	6.99	2.5	2.5	6.99	12.8	12.5	11.01	2.0	5.0	5.11	1.6	1.6	1.6			
						20.5	34.8	34.8	8.39	8.39	100.50	6.99	6.99	2.5	2.5	12.5	12.5	5.0														5.0	<1.6	<1.6
						20.5	34.8	34.8	8.38	8.38	100.80	7.01	7.01	2.5	2.5	12.6	12.6	5.0														5.0	<1.6	<1.6
27-Dec-18	Fine	Moderate	10:13	Surface	1	20.6	34.6	34.6	34.6	8.20	8.21	82.40	6.05	2.5	2.6	6.05	2.6	2.6	2.67	5.3	5.2	5.11	2.6	6.3	6.11	1.6	1.6	1.6						
						20.6	34.6	34.6	8.22	8.21	82.50	6.06	6.06	2.6	2.6														4.8	4.6	6.0	6.0	<1.6	<1.6
						20.6	34.6	34.6	8.20	8.20	82.90	6.08	6.06	2.7	2.7														5.5	5.5	6.0	6.0	<1.6	<1.6
				Middle	3.8	20.6	34.6	34.6	8.21	8.21	82.30	6.04	82.10	82.20	6.03	6.03	2.7	2.7	6.02	2.7	2.7	6.02	4.4	4.6	5.11	2.0	6.0	6.11	1.6	1.6	1.6			
						20.6	34.6	34.6	8.23	8.21	82.10	6.03	6.03	2.7	2.7	4.4	4.6	6.0														6.0	<1.6	<1.6
						20.6	34.6	34.6	8.20	8.20	82.20	6.03	6.03	2.6	2.6	4.8	4.6	6.0														6.0	<1.6	<1.6
				Bottom	6.5	20.6	34.6	34.6	8.22	8.22	82.20	6.03	82.20	82.07	6.03	6.02	2.8	2.7	6.02	2.8	2.7	6.02	6.1	5.6	5.11	2.0	6.0	6.11	1.6	1.6	1.6			
						20.6	34.6	34.6	8.20	8.22	82.20	6.03	6.02	2.6	2.6	5.1	5.6	6.0														6.0	<1.6	<1.6
						20.6	34.6	34.6	8.24	8.24	81.80	6.00	6.02	2.8	2.8	5.5	5.5	6.0														6.0	<1.6	<1.6
29-Dec-18	Sunny	Moderate	12:22	Surface	1	20.8	33.3	33.3	33.3	8.05	8.05	84.90	6.25	3.7	3.6	6.26	3.7	3.6	3.59	2.2	2.4	3.10	3.0	1.0	1.22	1.6	1.6	1.6						
						20.8	33.4	33.3	8.06	8.05	85.00	6.26	6.26	3.8	3.6														2.6	2.4	1.0	1.0	<1.6	<1.6
						20.8	33.3	33.3	8.05	8.05	85.10	6.27	6.26	3.3	3.6														2.4	2.4	1.0	1.0	<1.6	<1.6
				Middle	3.8	20.8	33.4	33.4	8.06	8.06	85.00	6.26	85.00	85.07	6.26	6.27	3.4	3.5	6.26	3.4	3.5	6.26	3.0	3.2	3.10	2.0	1.0	1.22	1.6	1.6	1.6			
						20.8	33.4	33.4	8.06	8.06	85.20	6.28	6.28	3.4	3.4	3.2	3.2	1.0														1.0	<1.6	<1.6
						20.8	33.4	33.4	8.06	8.06	85.20	6.28	6.28	3.4	3.4	3.5	3.5	1.0														1.0	<1.6	<1.6
				Bottom	6.6	20.8	33.4	33.4	8.06	8.06	84.70	6.24	84.80	84.73	6.25	6.24	3.9	3.7	6.24	3.5	3.7	6.24	3.5	3.7	3.10	2.0	1.0	1.7	1.6	1.6	1.6			
						20.8	33.4	33.4	8.06	8.06	84.80	6.25	6.24	3.5	3.5	3.7	3.7	1.0														1.0	<1.6	<1.6
						20.8	33.4	33.4	8.06	8.06	84.70	6.24	6.24	3.7	3.7	3.8	3.7	2.0														2.0	<1.6	<1.6

Water Quality Monitoring Results at IS1 - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value
1-Dec-18	Fine	Moderate	7:48	Surface	1	22.7	22.7	33.8	33.8	8.18	8.19	82.60	82.13	5.87	5.83	3.4	3.4	3.24	6.1	5.2	5.47	<1	1.0	1.00	<1.6	1.6	1.60	
						22.7		33.9		8.19		82.10		5.80		3.3			5.0			<1			<1.6			
						22.6		33.9		8.19		81.70		5.80		3.4			4.5			<1						
				Middle	3.6	22.6	33.9	8.20	82.20	5.84	3.1	3.1	5.2	<1	1.00	<1.6	1.6	1.60										
						22.6	33.9	8.20	81.70	5.81	3.0		5.3	1.0		<1.6												
						22.6	33.9	8.21	82.30	5.84	3.1		6.5	<1		<1.6												
				Bottom	6.2	22.6	34.0	8.21	81.70	5.80	3.3	3.3	5.6	<1	1.00	<1.6	1.6	1.60										
						22.6	34.0	8.23	82.00	5.83	3.2		5.7	<1		<1.6												
						22.6	34.0	8.21	81.50	5.79	3.4		5.3	<1		<1.6												
4-Dec-18	Sunny	Moderate	10:21	Surface	1	23.6	23.6	31.1	31.1	8.18	8.19	79.20	79.50	5.44	5.42	2.4	2.4	2.49	6.4	6.5	6.28	1.0	1.0	1.11	<1.6	1.6	1.60	
						23.6		31.2		8.20		79.70		5.41		2.5			6.7			1.0			<1.6			
						23.6		31.2		8.20		79.60		5.41		2.4			6.4			2.0			<1.6			
				Middle	3.6	23.6	31.2	8.20	79.50	5.39	2.5	2.5	7.2	1.0	1.11	<1.6	1.6	1.60										
						23.5	31.2	8.20	79.60	5.41	2.5		6.4	1.0		<1.6												
						23.5	31.1	8.19	79.90	5.43	2.5		6.3	1.0		<1.6												
				Bottom	6.2	23.5	31.1	8.18	79.50	5.40	2.5	2.5	5.8	1.0	1.11	<1.6	1.6	1.60										
						23.5	31.2	8.19	79.30	5.39	2.6		5.4	<1		<1.6												
						23.5	31.1	8.20	78.60	5.41	2.5		5.9	1.0		<1.6												
6-Dec-18	Sunny	Moderate	10:02	Surface	1	22.7	22.7	34.5	34.5	8.13	8.14	96.40	95.80	6.81	6.77	2.0	2.0	2.29	2.8	2.8	2.97	8.0	8.0	8.00	<1.6	1.6	1.60	
						22.7		34.4		8.15		95.20		6.73		2.0			3.1			8.0			<1.6			
						22.7		34.5		8.14		95.80		6.78		2.0			2.5			8.0			<1.6			
				Middle	3.6	22.6	34.5	8.15	95.50	6.76	2.0	2.0	3.1	8.0	2.97	<1.6	1.6	1.60										
						22.7	34.5	8.17	95.80	6.78	2.0		3.0	8.0		<1.6												
						22.6	34.5	8.15	96.00	6.80	2.1		2.5	8.0		<1.6												
				Bottom	6.0	22.6	34.5	8.15	94.00	6.66	2.7	2.8	3.1	8.0	2.97	<1.6	1.6	1.60										
						22.6	34.5	8.15	93.70	6.64	2.8		2.4	8.0		<1.6												
						22.6	34.5	8.19	93.40	6.61	3.0		4.2	8.0		<1.6												
8-Dec-18	Fine	Calm	2:45	Surface	1	21.5	21.5	31.1	31.2	8.22	8.23	78.00	78.30	5.31	5.29	2.8	2.8	2.89	10.6	10.5	11.44	2.0	2.0	2.00	<1.6	1.6	1.60	
						21.5		31.2		8.24		78.50		5.28		2.9			10.9			2.0			<1.6			
						21.5		31.2		8.24		78.40		5.28		2.8			10.1			2.0			<1.6			
				Middle	3.0	21.4	31.2	8.24	78.30	5.26	2.9	2.9	11.4	2.0	2.89	<1.6	1.6	1.60										
						21.4	31.2	8.24	78.40	5.28	2.9		11.2	2.0		<1.6												
						21.4	31.1	8.23	77.70	5.30	2.9		11.2	2.0		<1.6												
				Bottom	6.1	21.4	31.1	8.24	77.40	5.28	2.9	2.9	12.2	2.0	2.89	<1.6	1.6	1.60										
						21.4	31.1	8.22	78.30	5.27	2.9		12.6	2.0		<1.6												
						21.4	31.2	8.24	78.10	5.26	3.0		12.8	2.0		<1.6												
11-Dec-18	Fine	Moderate	2:42	Surface	1	21.5	21.5	34.7	34.7	8.26	8.26	84.00	84.00	6.06	6.06	1.5	1.6	1.91	2.5	2.6	2.47	2.0	2.0	2.00	<1.6	1.6	1.60	
						21.5		34.7		8.25		83.50		6.02		1.6			2.6			2.0			<1.6			
						21.5		34.7		8.26		84.50		6.09		1.6			2.6			2.0			<1.6			
				Middle	3.6	21.6	34.8	8.27	84.40	6.07	1.9	1.9	2.9	2.0	1.91	<1.6	1.6	1.60										
						21.6	34.8	8.28	84.70	6.10	1.9		2.3	2.0		<1.6												
						21.6	34.7	8.27	84.60	6.09	2.0		2.8	2.0		<1.6												
				Bottom	6.3	21.6	34.8	8.27	84.00	6.05	2.3	2.2	2.0	2.0	1.91	<1.6	1.6	1.60										
						21.6	34.8	8.29	83.90	6.04	2.1		2.6	2.0		<1.6												
						21.6	34.8	8.27	83.40	6.00	2.3		1.9	2.0		<1.6												
13-Dec-18	Cloudy	Moderate	3:24	Surface	1	21.5	21.5	33.5	33.5	8.13	8.13	90.60	88.97	6.57	6.45	2.2	2.2	2.21	4.0	4.4	4.64	<1	1.0	1.00	<1.6	1.6	1.60	
						21.4		33.5		8.13		88.50		6.42		2.3			4.6			<1			<1.6			
						21.5		33.5		8.13		87.80		6.37		2.1			4.7			<1			<1.6			
				Middle	3.9	21.5	33.6	8.14	88.20	6.40	2.2	2.2	5.6	<1	1.00	<1.6	1.6	1.60										
						21.5	33.6	8.14	87.50	6.35	2.2		5.7	<1		<1.6												
						21.6	33.6	8.14	90.20	6.54	2.2		5.9	<1		<1.6												
				Bottom	6.6	21.5	33.6	8.13	87.80	6.38	2.3	2.2	3.8	<1	1.00	<1.6	1.6	1.60										
						21.5	33.6	8.13	87.20	6.33	2.2		4.0	<1		<1.6												
						21.6	33.6	8.14	89.30	6.49	2.2		3.5	<1		<1.6												

Water Quality Monitoring Results at IS1 - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)						
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		
15-Dec-18	Cloudy	Moderate	5:06	Surface	1	20.2	33.9	8.25	33.9	8.25	87.50	85.97	6.40	1.8	6.27	1.8	1.7	1.72	4.3	3.9	4.31	1.0	1.3	1.33	1.60	<1.6	1.6	1.60				
						20.2	33.9	8.26	33.9	8.25	85.00	85.40	6.22	6.29												1.7			1.8	3.6	1.0	<1.6
						20.2	33.9	8.25	33.9	8.25	85.40	85.40	6.25	6.29												1.8			1.8	3.8	1.0	<1.6
				Middle	3.7	20.2	33.9	8.25	33.9	8.26	86.50	85.53	6.33	6.26	1.7	1.7	1.6	1.7	1.7	3.9	4.2	4.31	1.0	1.3	1.33	1.60	<1.6	1.6	1.60			
						20.2	33.9	8.27	33.9	8.25	84.90	85.20	6.21	6.23	1.7	1.7	4.6	4.1	4.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	<1.6	1.6	1.60		
						20.2	33.9	8.25	33.9	8.25	85.20	85.20	6.23	6.23	1.7	1.7	4.1	4.1	4.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	<1.6	1.6	1.60		
				Bottom	6.3	20.2	33.9	8.26	33.9	8.26	86.00	85.27	6.30	6.24	1.7	1.7	1.7	1.7	1.7	1.7	5.0	4.8	4.8	1.0	1.3	1.33	1.60	<1.6	1.6	1.60		
						20.2	33.9	8.25	33.9	8.26	85.10	85.27	6.23	6.24	1.7	1.7	4.7	4.8	4.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	<1.6	1.6	1.60		
						20.2	33.9	8.28	33.9	8.26	84.70	84.70	6.20	6.24	1.8	1.7	4.8	4.8	4.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	<1.6	1.6	1.60		
18-Dec-18	Fine	Moderate	8:17	Surface	1	21.7	33.3	8.25	33.3	8.25	84.40	84.77	5.73	2.1	5.75	2.1	2.1	2.11	4.6	4.6	6.27	<1	1.0	1.00	1.60	<1.6	1.6	1.60				
						21.7	33.3	8.25	33.3	8.25	84.80	85.10	5.77	5.78												2.0	2.1	4.8	<1	<1	<1	<1
						21.7	33.3	8.25	33.3	8.25	85.10	85.10	5.78	5.78												2.1	2.1	4.5	<1	<1	<1	<1
				Middle	3.7	21.6	33.3	8.25	33.3	8.25	85.10	84.43	5.78	5.74	2.1	2.1	2.1	2.1	2.1	6.4	6.8	6.27	<1	1.0	1.00	1.60	<1.6	1.6	1.60			
						21.6	33.3	8.25	33.3	8.25	84.80	84.40	5.76	5.74	2.0	2.0	6.8	<1	<1	<1	<1											
						21.5	33.3	8.25	33.3	8.25	83.40	83.40	5.68	5.74	2.2	2.2	7.3	<1	<1	<1	<1											
				Bottom	6.2	21.5	33.3	8.25	33.3	8.25	83.30	84.20	5.68	5.73	2.2	2.2	7.2	<1	<1	7.2	7.3	6.27	<1	1.0	1.00	1.60	<1.6	1.6	1.60			
						21.5	33.3	8.25	33.3	8.25	84.50	84.20	5.75	5.73	2.1	2.2	7.3	<1	<1	7.3	7.3	6.27	<1	1.0	1.00	1.60	<1.6	1.6	1.60			
						21.7	33.3	8.25	33.3	8.25	84.80	84.80	5.76	5.73	2.2	2.2	7.5	<1	<1	7.5	7.5	6.27	<1	1.0	1.00	1.60	<1.6	1.6	1.60			
20-Dec-18	Cloudy	Moderate	8:53	Surface	1	20.3	34.8	8.43	34.8	8.43	97.00	97.00	7.14	1.7	7.13	1.7	1.7	1.68	9.2	9.0	10.66	1.0	1.0	1.11	1.60	<1.6	1.6	1.60				
						20.3	34.8	8.43	34.8	8.43	97.10	96.90	7.15	7.14												1.6	1.7	8.9	<1	<1	<1	<1
						20.3	34.8	8.43	34.8	8.43	96.90	96.90	7.13	7.14												1.7	1.7	9.0	<1	<1	<1	<1
				Middle	3.6	20.3	34.8	8.43	34.8	8.43	96.90	96.77	7.13	7.12	1.7	1.7	1.7	1.7	1.7	10.7	10.8	10.66	1.0	1.3	1.11	1.60	<1.6	1.6	1.60			
						20.3	34.8	8.43	34.8	8.43	96.70	96.70	7.12	7.12	1.6	1.7	10.6	<1	<1	<1	<1											
						20.3	34.8	8.43	34.8	8.43	96.70	96.70	7.12	7.12	1.7	1.7	11.1	<1	<1	<1	<1											
				Bottom	6.2	20.3	34.9	8.43	34.9	8.43	96.60	96.60	7.11	7.12	1.7	1.7	11.8	<1	<1	11.8	12.1	10.66	<1	1.0	1.11	1.60	<1.6	1.6	1.60			
						20.3	34.9	8.44	34.9	8.43	96.70	96.67	7.12	7.12	1.7	1.7	12.1	<1	<1	12.1	12.1	10.66	<1	1.0	1.11	1.60	<1.6	1.6	1.60			
						20.3	34.9	8.43	34.9	8.43	96.70	96.70	7.12	7.12	1.7	1.7	12.5	<1	<1	12.5	12.5	10.66	<1	1.0	1.11	1.60	<1.6	1.6	1.60			
22-Dec-18	Cloudy	Moderate	0:16	Surface	1	20.5	34.8	8.34	34.8	8.34	98.40	98.53	6.84	2.3	6.84	2.2	2.2	2.38	6.3	6.1	7.69	6.0	5.3	5.33	1.60	<1.6	1.6	1.60				
						20.5	34.8	8.35	34.8	8.34	98.60	98.60	6.85	6.85												2.2	2.2	6.0	5.0	5.0	<1.6	
						20.5	34.8	8.34	34.8	8.34	98.60	98.60	6.86	6.85												2.2	2.2	5.9	5.0	5.0	<1.6	
				Middle	3.6	20.5	34.8	8.36	34.8	8.36	98.10	98.10	6.82	6.82	2.4	2.4	7.7	5.0	5.0	7.7	7.7	7.69	6.0	5.3	5.33	1.60	<1.6	1.6	1.60			
						20.5	34.8	8.36	34.8	8.36	97.90	98.10	6.81	6.82	2.4	2.4	7.9	5.0	5.0	7.6	7.7	7.69	6.0	5.3	5.33	1.60	<1.6	1.6	1.60			
						20.5	34.8	8.36	34.8	8.36	98.30	98.30	6.83	6.82	2.3	2.3	7.6	6.0	6.0	7.6	7.7	7.69	6.0	5.3	5.33	1.60	<1.6	1.6	1.60			
				Bottom	6.2	20.5	34.8	8.36	34.8	8.36	98.10	97.77	6.83	6.80	2.6	2.5	9.4	5.0	5.0	9.4	9.3	7.69	6.0	5.3	5.33	1.60	<1.6	1.6	1.60			
						20.5	34.8	8.37	34.8	8.37	97.50	97.77	6.78	6.80	2.5	2.5	9.0	5.0	5.0	9.4	9.3	7.69	6.0	5.3	5.33	1.60	<1.6	1.6	1.60			
						20.5	34.9	8.37	34.9	8.37	97.70	97.70	6.80	6.80	2.5	2.5	9.4	5.0	5.0	9.4	9.3	7.69	6.0	5.3	5.33	1.60	<1.6	1.6	1.60			
27-Dec-18	Cloudy	Moderate	3:29	Surface	1	20.6	34.6	8.23	34.6	8.23	83.30	83.70	6.11	2.1	6.13	2.1	2.1	2.21	5.8	5.6	5.18	6.0	6.0	6.00	1.60	<1.6	1.6	1.60				
						20.6	34.6	8.23	34.6	8.23	82.90	84.90	6.08	6.14												2.2	2.1	5.8	6.0	6.0	<1.6	
						20.6	34.6	8.24	34.6	8.24	84.90	84.90	6.23	6.14												2.1	2.1	5.2	6.0	6.0	<1.6	
				Middle	3.7	20.6	34.6	8.25	34.6	8.25	83.20	83.47	6.11	6.13	2.2	2.2	5.4	6.0	6.0	5.4	5.3	5.18	6.0	6.0	6.00	1.60	<1.6	1.6	1.60			
						20.6	34.6	8.25	34.6	8.24	84.30	83.47	6.19	6.13	2.2	2.2	5.5	6.0	6.0	5.1	5.3	5.18	6.0	6.0	6.00	1.60	<1.6	1.6	1.60			
						20.6	34.6	8.23	34.6	8.23	82.90	82.90	6.08	6.13	2.2	2.2	5.1	6.0	6.0	5.1	5.3	5.18	6.0	6.0	6.00	1.60	<1.6	1.6	1.60			
				Bottom	6.4	20.6	34.6	8.23	34.6	8.25	82.80	82.97	6.08	6.09	2.3	2.3	4.7	6.0	6.0	4.7	4.6	5.18	6.0	6.0	6.00	1.60	<1.6	1.6	1.60			
						20.6	34.6	8.24	34.6	8.25	82.20	82.97	6.03	6.09	2.4	2.3	4.6	6.0	6.0	4.6	4.6	5.18	6.0	6.0	6.00	1.60	<1.6	1.6	1.60			
						20.6	34.6	8.27	34.6	8.27	83.90	83.90	6.16	6.09	2.2	2.3	4.5	6.0	6.0	4.5	4.6	5.18	6.0	6.0	6.00	1.60	<1.6	1.6	1.60			
29-Dec-18	Fine	Moderate	6:12	Surface	1	20.8	33.4	8.06	33.4	8.06	84.30	84.30	6.21	2.3	6.21	2.3	2.3	2.50	2.1	2.2	3.39	1.0	1.7	1.33	1.60	<1.6	1.6	1.60				
						20.8	33.4	8.06	33.4	8.06	84.40	84.20	6.22	6.21												2.3	2.3	2.4	2.0	2.0	<1.6	
						20.8	33.4	8.06	33.4	8.06	84.20	84.20	6.20	6.21												2.2	2.3	2.2	2.0	2.0	<1.6	
				Middle	3.6	20.8	33.4	8.06	33.4	8.06	84.20	84.43	6.20	6.22	2.5	2.6	3.4	1.0	1.0	3.4	3.3	3.39	1.0	1.0	1.33	1.60	<1.6	1.6	1.60			
						20.8	33.4	8.06	33.4	8.06	84.60	84.50	6.23	6.22	2.5	2.6	3.1	1.0	1.0	3.1	3.3	3.39	1.0	1.0	1.33	1.60	<1.6	1.6	1.60			
						20.8	33.4	8.06	33.4	8.06	84.50	84.50	6.22	6.22	2.7	2.7	3.3	1.0	1.0	3.3	3.3	3.39	1.0	1.0	1.33	1.60	<1.6	1.6	1.60			
				Bottom	6.2	20.8	33.4	8.06	33.4	8.06	84.10	84.10	6.19	6.19	2.6</																	

Water Quality Monitoring Results at IS1 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*			
1-Dec-18	Sunny	Moderate	13:32	Surface	1	22.6	22.6	34.0	34.0	8.22	8.22	85.80	85.93	6.09	6.10	6.09	3.3	3.2	3.2	6.4	6.1	6.58	2.0	1.3	2.22	2.0	1.6	1.6			
						22.6		34.0		8.22		86.20		6.11			3.0			6.3			<1								
						22.6		34.0		8.23		85.80		6.09			3.2			5.6			<1.6								
				Middle	3.7	22.6	22.6	34.0	34.0	8.22	8.22	85.40	85.63	6.07	6.08	6.08	4.0	4.0	3.79	4.0	4.0	3.79	5.3	5.0	6.58	<1	1.3	2.22	<1	1.6	1.6
						22.6		34.0		8.23		86.60		6.15			3.9			4.8			<1.6								
						22.6		34.0		8.23		84.90		6.03			4.1			4.8			<1								
				Bottom	6.4	22.6	22.6	34.1	34.0	8.24	8.23	84.70	85.57	6.02	6.08	6.08	4.2	4.2	6.08	4.2	4.2	6.08	8.6	8.7	6.58	<1	4.0	2.22	<1.6	1.6	1.6
						22.6		34.0		8.22		86.50		6.15			4.1			8.0			<1.6								
						22.6		34.0		8.22		85.50		6.07			4.3			9.4			<1.6								
4-Dec-18	Sunny	Moderate	14:45	Surface	1	23.7	23.7	31.1	31.1	8.17	8.17	80.20	80.07	5.44	5.44	5.43	2.5	2.5	2.54	4.8	4.7	5.67	<1	1.0	1.11	<1	1.6	1.6			
						23.7		31.1		8.17		79.90		5.42			2.5			4.4			<1								
						23.7		31.1		8.17		80.10		5.45			2.4			4.8			<1								
				Middle	3.7	23.7	23.7	31.1	31.1	8.17	8.17	80.00	79.90	5.43	5.43	5.43	2.6	2.6	2.54	2.6	2.6	2.54	5.0	5.3	5.67	<1	1.0	1.11	<1	1.6	1.6
						23.7		31.1		8.18		79.70		5.42			2.6			5.3			<1								
						23.7		31.1		8.18		80.00		5.43			2.5			5.6			<1								
				Bottom	6.4	23.6	23.6	31.1	31.1	8.19	8.18	79.50	79.57	5.40	5.40	5.40	2.6	2.6	5.40	2.6	2.6	5.40	7.1	7.0	5.67	1.0	1.3	1.11	<1	1.6	1.6
						23.6		31.1		8.17		79.40		5.39			2.6			7.2			<1								
						23.7		31.1		8.17		79.80		5.42			2.6			6.8			<1.6								
6-Dec-18	Fine	Moderate	6:46	Surface	1	22.7	22.7	34.4	34.4	8.12	8.13	93.70	93.67	6.62	6.62	6.64	2.2	2.1	2.09	2.8	3.0	3.33	<1	8.0	8.00	<1	1.6	1.6			
						22.7		34.4		8.13		94.00		6.65			2.1			3.4			<1								
						22.7		34.4		8.13		93.30		6.59			2.1			2.8			<1.6								
				Middle	3.7	22.6	22.5	34.5	34.5	8.16	8.16	93.10	93.87	6.60	6.65	6.65	2.0	2.1	2.09	2.0	2.1	2.09	4.1	4.2	3.33	8.0	8.0	8.00	<1	1.6	1.6
						22.5		34.5		8.16		94.30		6.68			2.0			4.3			<1								
						22.5		34.5		8.16		94.20		6.68			2.2			4.2			<1.6								
				Bottom	6.2	22.5	22.5	34.5	34.5	8.17	8.16	93.20	92.50	6.60	6.55	6.55	2.1	2.1	2.09	2.1	2.1	2.09	3.0	2.8	3.33	8.0	8.0	8.00	<1	1.6	1.6
						22.6		34.5		8.17		92.00		6.52			2.1			2.8			<1								
						22.6		34.5		8.15		92.30		6.54			2.0			2.6			<1.6								
8-Dec-18	Fine	Calm	6:53	Surface	1	21.6	21.6	31.1	31.1	8.21	8.21	79.00	78.87	5.31	5.31	5.30	2.9	2.9	2.94	13.9	13.7	14.90	2.0	1.7	1.67	<1	1.6	1.6			
						21.6		31.1		8.21		78.70		5.29			2.9			13.6			<1								
						21.6		31.1		8.21		78.90		5.32			2.8			13.5			<1								
				Middle	3.2	21.6	21.5	31.2	31.2	8.21	8.21	78.80	78.70	5.30	5.30	5.27	3.0	3.0	2.94	3.0	3.0	2.94	14.5	14.5	14.90	2.0	1.7	1.67	<1	1.6	1.6
						21.5		31.2		8.21		78.50		5.29			3.0			14.8			<1								
						21.6		31.2		8.22		78.80		5.30			2.9			14.8			<1								
				Bottom	6.4	21.5	21.5	31.1	31.1	8.23	8.22	78.30	78.37	5.27	5.27	5.27	3.0	3.0	2.94	3.0	3.0	2.94	16.2	16.6	14.90	1.0	1.7	1.67	<1	1.6	1.6
						21.5		31.2		8.21		78.20		5.26			3.0			16.9			<1								
						21.6		31.1		8.21		78.60		5.29			3.0			16.6			<1								
11-Dec-18	Fine	Moderate	8:50	Surface	1	21.7	21.7	34.7	34.7	8.18	8.19	98.10	96.30	7.13	6.95	6.80	3.5	3.3	4.24	7.1	7.1	6.13	1.0	1.0	1.00	<1	1.6	1.6			
						21.7		34.7		8.19		96.40		6.93			3.3			7.5			<1								
						21.7		34.7		8.19		94.40		6.79			3.1			6.7			<1								
				Middle	3.4	21.6	21.7	34.7	34.7	8.20	8.18	92.30	92.33	6.64	6.64	6.64	4.1	4.1	4.24	4.1	4.1	4.24	5.7	5.6	6.13	<1	1.0	1.00	<1	1.6	1.6
						21.7		34.7		8.18		92.50		6.65			4.3			5.6			<1								
						21.7		34.7		8.18		92.20		6.63			3.9			5.4			<1								
				Bottom	5.9	21.7	21.7	34.7	34.7	8.17	8.18	92.00	92.33	6.62	6.64	6.64	5.5	5.3	4.24	5.5	5.3	4.24	5.3	5.7	6.13	<1	1.0	1.00	<1	1.6	1.6
						21.7		34.8		8.21		92.70		6.66			5.3			5.9			<1								
						21.7		34.7		8.17		92.30		6.64			5.2			6.0			<1								
13-Dec-18	Sunny	Moderate	10:37	Surface	1	21.7	21.8	33.6	33.6	8.17	8.16	99.50	95.77	7.20	6.93	6.88	2.8	2.6	2.73	3.5	3.6	3.18	<1	1.0	1.00	<1	1.6	1.6			
						21.8		33.6		8.16		93.40		6.75			2.5			3.8			<1								
						21.8		33.6		8.16		94.40		6.83			2.6			3.6			<1								
				Middle	3.2	21.7	21.7	33.6	33.6	8.16	8.16	93.30	94.53	6.75	6.84	6.84	2.7	2.8	2.73	2.7	2.8	2.73	3.9	3.3	3.18	<1	1.0	1.00	<1	1.6	1.6
						21.7		33.6		8.16		93.70		6.77			2.7			2.8			<1								
						21.7		33.6		8.17		96.60		6.99			2.9			3.2			<1								
				Bottom	5.4	21.7	21.7	33.6	33.6	8.17	8.16	95.70	94.10	6.92	6.81	6.81	2.9	2.8	2.73	2.9	2.8	2.73	2.4	2.6	3.18	<1	1.0	1.00	<1	1.6	1.6
						21.7		33.6		8.16		93.10		6.74			2.8			2.6			<1								
						21.7		33.6		8.16		93.50		6.76			2.7			2.8			<1								

Water Quality Monitoring Results at IS1 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)				
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		
15-Dec-18	Fine	Moderate	12:29	Surface	1	20.4	33.9	33.9	33.9	8.20	8.20	85.00	86.50	6.22	6.33	6.31	2.0	1.9	1.87	3.2	3.5	3.50	1.0	1.0	1.00	<1.6	1.6	1.60		
					20.4	20.4	33.9	33.9	8.20	8.20	85.80	86.03	6.28	6.30	1.9		1.9	3.6		3.6	1.0		1.0	<1.6		1.6				
					20.4	20.4	33.9	33.9	8.21	8.21	88.70	86.03	6.49	6.30	1.9		1.9	3.7		3.6	1.0		1.0	<1.6		1.6				
				Middle	3.9	20.4	33.9	33.9	8.20	8.20	84.90	86.03	6.21	6.30	6.27	1.8	1.8	1.87	1.9	1.9	3.50	3.1	3.6	1.00	1.0	1.0	1.00	<1.6	1.6	1.60
					20.4	20.4	33.9	33.9	8.20	8.20	85.60	86.03	6.27	6.30		1.8	1.8		3.3	3.6		1.0	1.0		<1.6	1.6				
					20.4	20.4	33.9	33.9	8.21	8.21	87.60	86.03	6.41	6.30		1.8	1.8		3.9	3.6		1.0	1.0		<1.6	1.6				
Bottom	6.5	20.4	33.9	33.9	8.22	8.21	86.70	85.67	6.35	6.27	6.27	1.8	1.8	1.87	1.8	1.8	3.50	3.3	3.4	1.00	1.0	1.0	1.00	<1.6	1.6	1.60				
	20.4	20.4	33.9	33.9	8.20	8.21	85.40	85.67	6.25	6.27		1.8	1.8		3.7	3.4		1.0	1.0		<1.6	1.6								
	20.4	20.4	33.9	33.9	8.20	8.21	84.90	85.67	6.21	6.27		1.8	1.8		3.2	3.4		1.0	1.0		<1.6	1.6								
18-Dec-18	Sunny	Moderate	13:24	Surface	1	22.4	33.3	33.3	33.3	8.29	8.29	85.00	84.50	5.75	5.71	5.71	1.8	1.8	2.24	4.4	4.1	4.41	<1	1.0	1.00	<1.6	1.6	1.60		
					22.4	22.4	33.2	33.4	8.29	8.28	84.50	84.70	5.71	5.72	1.8		2.5	3.7		4.3	1.0		1.0	<1.6		1.6				
					22.3	22.3	33.3	33.4	8.28	8.28	84.70	84.50	5.72	5.71	2.5		2.5	4.2		4.3	1.0		1.0	<1.6		1.6				
				Middle	3.8	22.4	33.3	33.4	8.28	8.28	84.70	84.40	5.71	5.71	5.72	2.3	2.4	2.24	2.5	2.5	4.41	4.0	4.3	1.00	<1	1.0	1.00	<1.6	1.6	1.60
					22.4	22.3	33.3	33.4	8.28	8.28	84.50	84.70	5.71	5.71		2.5	2.5		4.6	4.3		1.0	1.0		<1.6	1.6				
					22.3	22.3	33.4	33.4	8.28	8.28	84.00	84.70	5.69	5.71		2.5	2.4		4.2	4.3		1.0	1.0		<1.6	1.6				
Bottom	6.6	22.2	33.4	33.3	8.29	8.29	85.30	84.57	5.78	5.72	5.72	2.3	2.4	2.24	2.5	2.4	4.41	5.3	4.9	1.00	<1	1.0	1.00	<1.6	1.6	1.60				
	22.4	22.3	33.3	33.4	8.29	8.29	84.20	84.57	5.69	5.72		2.5	2.4		4.8	4.9		1.0	1.0		<1.6	1.6								
	22.3	22.3	33.3	33.3	8.28	8.28	84.20	84.57	5.69	5.72		2.4	2.4		4.6	4.9		1.0	1.0		<1.6	1.6								
20-Dec-18	Cloudy	Moderate	5:20	Surface	1	20.2	34.8	34.8	34.8	8.35	8.35	96.50	96.57	7.09	7.10	7.07	2.0	2.0	2.09	7.4	7.2	7.44	<1	1.0	1.00	<1.6	1.6	1.60		
					20.2	20.2	34.8	34.8	8.35	8.35	96.90	95.67	7.13	7.04	2.1		2.1	7.0		7.3	1.0		1.0	<1.6		1.6				
					20.2	20.2	34.8	34.8	8.35	8.35	96.30	95.67	7.09	7.05	2.1		2.1	7.2		7.3	1.0		1.0	<1.6		1.6				
				Middle	3.7	20.2	34.8	34.8	8.35	8.35	95.80	95.67	7.05	7.04	7.11	2.1	2.2	2.09	2.1	2.1	7.44	7.5	7.3	1.00	<1	1.0	1.00	<1.6	1.6	1.60
					20.2	20.2	34.8	34.8	8.35	8.35	95.30	95.67	7.01	7.05		2.0	2.1		7.1	7.3		1.0	1.0		<1.6	1.6				
					20.2	20.2	34.8	34.8	8.35	8.35	95.90	95.67	7.05	7.05		2.1	2.1		7.1	7.3		1.0	1.0		<1.6	1.6				
Bottom	6.4	20.1	34.8	34.8	8.35	8.35	96.50	96.50	7.11	7.11	7.11	2.2	2.2	2.09	2.2	2.2	7.44	8.0	7.8	1.00	<1	1.0	1.00	<1.6	1.6	1.60				
	20.1	20.1	34.8	34.8	8.35	8.35	96.40	96.50	7.10	7.11		2.1	2.2		7.9	7.8		1.0	1.0		<1.6	1.6								
	20.1	20.1	34.8	34.8	8.36	8.36	96.60	96.50	7.11	7.11		2.2	2.2		7.6	7.8		1.0	1.0		<1.6	1.6								
22-Dec-18	Cloudy	Moderate	5:31	Surface	1	20.5	34.8	34.8	34.8	8.37	8.37	100.70	100.63	7.01	7.00	6.99	2.2	2.2	2.36	9.1	9.2	11.52	5.0	5.3	5.44	<1.6	1.6	1.60		
					20.5	20.5	34.8	34.8	8.37	8.37	100.70	100.63	7.01	7.00	2.1		2.4	9.2		9.2	6.0		6.0	<1.6		1.6				
					20.5	20.5	34.8	34.8	8.37	8.37	100.50	100.63	6.99	6.98	2.3		2.4	9.2		9.2	6.0		6.0	<1.6		1.6				
				Middle	3.7	20.5	34.8	34.8	8.38	8.37	100.30	100.33	6.98	6.98	6.97	2.4	2.5	2.36	2.4	2.4	11.52	6.0	6.0	5.44	6.0	6.0	1.00	<1.6	1.6	1.60
					20.5	20.5	34.8	34.8	8.37	8.38	100.30	100.33	6.98	6.98		2.4	2.5		11.2	11.4		6.0	6.0		<1.6	1.6				
					20.5	20.5	34.8	34.8	8.37	8.38	100.40	100.33	6.98	6.98		2.4	2.5		11.2	11.4		6.0	6.0		<1.6	1.6				
Bottom	6.4	20.5	34.8	34.8	8.38	8.38	100.10	100.13	6.96	6.97	6.97	2.5	2.5	2.36	2.5	2.5	11.52	14.0	14.0	5.44	5.0	5.0	1.00	<1.6	1.6	1.60				
	20.5	20.5	34.8	34.8	8.38	8.38	100.20	100.13	6.98	6.97		2.5	2.5		13.8	14.0		5.0	5.0		<1.6	1.6								
	20.5	20.5	34.8	34.8	8.38	8.38	100.10	100.13	6.97	6.97		2.6	2.5		14.2	14.0		5.0	5.0		<1.6	1.6								
27-Dec-18	Fine	Moderate	9:57	Surface	1	20.6	34.6	34.6	34.6	8.20	8.20	82.50	82.53	6.06	6.06	6.06	2.1	2.1	2.13	5.8	5.6	5.42	6.0	6.0	6.11	<1.6	1.6	1.60		
					20.6	20.6	34.6	34.6	8.21	8.21	82.40	82.43	6.05	6.05	2.1		2.1	5.9		5.4	6.0		6.0	<1.6		1.6				
					20.6	20.6	34.6	34.6	8.20	8.22	82.70	82.43	6.07	6.04	2.1		2.1	5.0		5.4	6.0		6.0	<1.6		1.6				
				Middle	3.8	20.6	34.6	34.6	8.21	8.21	82.30	82.43	6.05	6.05	6.04	2.2	2.2	2.13	2.2	2.1	5.42	5.2	5.4	1.00	6.0	6.3	6.11	<1.6	1.6	1.60
					20.6	20.6	34.6	34.6	8.21	8.22	82.30	82.43	6.05	6.04		2.1	2.1		5.9	5.4		6.0	6.0		<1.6	1.6				
					20.6	20.6	34.6	34.6	8.22	8.22	82.30	82.43	6.04	6.04		2.1	2.1		5.0	5.4		6.0	6.0		<1.6	1.6				
Bottom	6.6	20.6	34.6	34.6	8.21	8.22	82.10	82.23	6.03	6.04	6.04	2.2	2.2	2.13	2.2	2.2	5.42	5.8	5.3	1.00	6.0	6.0	1.00	<1.6	1.6	1.60				
	20.6	20.6	34.6	34.6	8.21	8.22	82.60	82.23	6.07	6.04		2.2	2.2		5.3	5.3		6.0	6.0		<1.6	1.6								
	20.6	20.6	34.6	34.6	8.23	8.23	82.00	82.23	6.02	6.04		2.1	2.2		4.9	5.3		6.0	6.0		<1.6	1.6								
29-Dec-18	Sunny	Moderate	12:04	Surface	1	20.8	33.3	33.3	33.3	8.05	8.05	84.60	84.50	6.23	6.22	6.23	3.2	3.3	3.33	1.8	1.8	2.21	1.0	1.0	1.11	<1.6	1.6	1.60		
					20.8	20.8	33.3	33.4	8.05	8.05	84.30	84.57	6.21	6.23	3.5		3.3	1.7		1.8	1.0		1.0	<1.6		1.6				
					20.8	20.8	33.4	33.4	8.06	8.06	84.60	84.57	6.23	6.23	3.5		3.3	2.2		2.2	2.0		2.0	<1.6		1.6				
				Middle	3.7	20.8	33.4	33.4	8.06	8.06	84.50	84.60	6.23	6.23	6.20	3.4	3.4	3.33	3.2	3.3	2.21	2.2	2.2	1.11	1.0	1.3	1.11	<1.6	1.6	1.60
					20.8	20.8	33.4	33.4	8.06	8.06	84.60	84.60	6.23	6.23		3.3	3.3		2.3	2.2		1.0	1.0		<1.6	1.6				
					20.8	20.8	33.4	33.4	8.06	8.06	84.60	84.60	6.23	6.23		3.3	3.3		2.1	2.2		1.0	1.0		<1.6	1.6				
Bottom	6.3	20.8	33.4	33.4	8.06	8.06	84.10	84.17	6.19	6.20	6.20	3.4	3.4	3.33	3.4	3.4	2.21	2.6	2.6	1.11	1.0	1.0	1.11	<1.6	1.6	1.60				
	20.8	20.8	33.4	33.4	8.06	8.06	84.20	84.17	6.20	6.20		3.3	3.4		2.7	2.6		1.0	1.0		<1.6	1.6								
	20.8	20.8	33.4	33.4	8.06	8.06	84.20	84.17	6.20	6.20		3.3	3.4		2.5	2.6</														

Water Quality Monitoring Results at IS2 - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)				
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		
1-Dec-18	Fine	Moderate	8:13	Surface	1	22.7	22.7	33.9	33.9	8.19	8.19	81.70	81.70	5.79	5.80	5.80	5.80	3.6	3.5	3.49	5.6	4.8	5.30	<1	1.0	1.00	<1.6	1.6	1.60	
						22.7		33.9		8.18		81.60		5.79		3.4		4.8			<1			<1.6						
						22.7		33.9		8.20		81.80		5.81		3.4		4.0			<1			<1.6						
				Middle	4.1	22.6	22.6	34.0	34.0	8.19	8.20	81.60	81.70	5.79	5.80	3.3	3.4	3.49	4.7	5.5	5.30	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						22.6		34.0		8.22		81.60		5.80		3.5			6.3			<1			<1.6					
						22.6		34.0		8.20		81.20		5.76		3.6			5.5			<1			<1.6					
				Bottom	7.4	22.6	22.6	34.0	34.0	8.24	8.22	81.40	81.33	5.78	5.77	3.6	3.6	3.49	4.7	5.6	5.30	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						22.6		34.0		8.20		81.40		5.78		3.5			4.5			<1			<1.6					
						22.6		34.0		8.21		81.40		5.78		3.7			4.7			<1			<1.6					
4-Dec-18	Sunny	Moderate	10:51	Surface	1	23.6	23.6	31.2	31.2	8.19	8.19	79.80	80.30	5.42	5.54	5.54	5.54	3.3	3.3	3.30	6.2	6.0	5.51	2.0	1.3	1.11	<1.6	1.6	1.60	
						23.6		31.2		8.18		80.30		5.46		3.3		6.2			<1.6									
						23.6		31.2		8.19		86.40		5.89		3.2		5.7			<1.6									
				Middle	3.8	23.6	23.6	31.2	31.2	8.19	8.19	80.10	80.80	5.44	5.49	3.3	3.3	3.30	5.4	5.5	5.51	1.0	1.0	1.11	1.0	1.0	1.11	<1.6	1.6	1.60
						23.6		31.2		8.20		82.70		5.62		3.3			5.7			<1.6								
						23.5		31.2		8.20		79.30		5.39		3.4			5.0			<1.6								
				Bottom	6.3	23.5	23.5	31.2	31.2	8.19	8.20	79.60	80.27	5.41	5.45	3.3	3.3	3.30	5.3	5.0	5.51	1.0	1.0	1.11	1.0	1.0	1.11	<1.6	1.6	1.60
						23.5		31.2		8.22		81.90		5.56		3.3			4.7			<1.6								
						23.5		31.2		8.22		81.90		5.56		3.3			4.7			<1.6								
6-Dec-18	Sunny	Moderate	9:35	Surface	1	22.7	22.7	34.4	34.5	8.19	8.20	96.60	96.67	6.83	6.84	6.84	6.84	1.9	1.9	2.07	3.0	3.9	3.93	8.0	8.0	8.00	<1.6	1.6	1.60	
						22.7		34.5		8.22		97.00		6.86		1.9		3.7			<1.6									
						22.7		34.5		8.20		96.40		6.82		2.0		5.0			<1.6									
				Middle	4.2	22.6	22.6	34.5	34.5	8.21	8.21	94.50	95.03	6.69	6.73	2.2	2.2	2.07	3.5	3.9	3.93	8.0	8.0	8.00	8.0	8.0	8.00	<1.6	1.6	1.60
						22.6		34.5		8.23		95.40		6.76		2.2			4.3			<1.6								
						22.6		34.5		8.23		95.40		6.76		2.2			4.3			<1.6								
				Bottom	7.2	22.6	22.6	34.5	34.5	8.21	8.22	94.10	94.97	6.67	6.73	2.1	2.1	2.07	3.6	4.0	3.93	8.0	8.0	8.00	8.0	8.0	8.00	<1.6	1.6	1.60
						22.6		34.5		8.21		94.40		6.69		2.1			4.1			<1.6								
						22.6		34.5		8.25		96.40		6.83		2.1			4.4			<1.6								
8-Dec-18	Fine	Calm	3:13	Surface	1	21.5	21.5	31.2	31.2	8.23	8.23	78.60	80.97	5.29	5.46	5.46	5.46	3.7	3.7	3.70	10.3	10.2	11.02	2.0	2.0	2.00	<1.6	1.6	1.60	
						21.5		31.2		8.22		79.10		5.33		3.7		10.1			<1.6									
						21.5		31.2		8.23		85.20		5.76		3.6		10.1			<1.6									
				Middle	3.1	21.5	21.4	31.2	31.2	8.23	8.23	78.40	79.60	5.27	5.36	3.7	3.7	3.70	10.4	10.7	11.02	2.0	2.0	2.00	2.0	2.0	2.00	<1.6	1.6	1.60
						21.4		31.2		8.24		81.50		5.49		3.7			10.8			<1.6								
						21.4		31.2		8.24		78.10		5.26		3.8			10.9			<1.6								
				Bottom	6.0	21.4	21.4	31.2	31.2	8.24	8.24	78.10	79.07	5.26	5.32	3.8	3.7	3.70	12.1	12.2	11.02	2.0	2.0	2.00	2.0	2.0	2.00	<1.6	1.6	1.60
						21.4		31.2		8.26		80.70		5.43		3.7			12.1			<1.6								
						21.4		31.2		8.26		80.70		5.43		3.7			12.4			<1.6								
11-Dec-18	Fine	Moderate	3:09	Surface	1	21.5	21.5	34.7	34.7	8.27	8.28	84.40	84.27	6.09	6.08	6.08	6.08	1.5	1.4	1.80	3.4	3.0	4.09	2.0	2.0	2.00	<1.6	1.6	1.60	
						21.5		34.7		8.28		83.90		6.05		1.4		3.3			<1.6									
						21.5		34.7		8.28		84.50		6.09		1.4		2.4			<1.6									
				Middle	4.1	21.6	21.6	34.7	34.7	8.30	8.29	84.10	84.47	6.06	6.08	1.8	1.8	1.80	2.8	3.4	4.09	3.0	3.4	4.09	2.0	2.3	2.00	<1.6	1.6	1.60
						21.6		34.8		8.29		84.90		6.11		1.7			3.0			<1.6								
						21.6		34.8		8.28		84.40		6.08		2.0			4.3			<1.6								
				Bottom	7.1	21.6	21.6	34.8	34.8	8.31	8.29	82.90	83.43	5.96	6.00	2.0	2.1	1.80	6.3	5.9	4.09	2.0	1.7	2.00	2.0	1.7	2.00	<1.6	1.6	1.60
						21.6		34.8		8.28		83.70		6.02		2.2			5.1			<1.6								
						21.6		34.8		8.28		83.70		6.02		2.2			6.2			<1.6								
13-Dec-18	Cloudy	Moderate	3:50	Surface	1	21.5	21.5	33.5	33.5	8.13	8.13	87.10	87.63	6.33	6.36	6.36	6.36	2.6	2.5	2.50	4.0	3.8	4.03	<1	1.0	1.00	<1.6	1.6	1.60	
						21.5		33.5		8.14		87.90		6.38		2.4		3.8			<1.6									
						21.5		33.5		8.13		87.90		6.38		2.4		3.6			<1.6									
				Middle	3.8	21.5	21.5	33.5	33.5	8.14	8.14	87.50	87.37	6.35	6.34	2.5	2.5	2.50	3.5	4.0	4.03	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						21.5		33.5		8.13		87.90		6.38		2.5			4.0			<1.6								
						21.5		33.5		8.13		86.70		6.29		2.5			4.4			<1.6								
				Bottom	6.6	21.5	21.5	33.5	33.5	8.13	8.13	85.90	86.80	6.24	6.30	2.5	2.5	2.50	4.6	4.3	4.03	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						21.5		33.5		8.13		87.70		6.37		2.6			4.3			<1.6								
						21.5		33.6		8.13		86.80		6.30		2.5			4.1			<1.6								

Water Quality Monitoring Results at IS2 - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
15-Dec-18	Cloudy	Moderate	5:32	Surface	1	20.2	20.2	33.9	33.9	8.27	8.27	85.40	85.90	6.25	6.29	6.28	1.8	1.8	1.73	4.2	3.9	3.70	1.0	1.0	1.33	<1.6	1.6	1.60			
						20.2		33.9		8.27		85.10		6.23			1.7			3.7			1.0			<1.6					
						20.2		33.9		8.27		87.20		6.38			1.8			3.7			1.0			<1.6					
				Middle	3.8	20.2	20.2	33.9	33.9	8.27	8.27	85.40	85.67	6.25	6.27	6.26	1.7	1.7	1.73	3.5	3.2	3.70	2.0	2.0	3.70	1.0	1.0	1.33	<1.6	1.6	1.60
						20.2		33.9		8.27		85.00		6.22			1.8			3.2			1.0			<1.6					
						20.2		33.9		8.27		86.60		6.34			1.7			3.0			2.0			<1.6					
				Bottom	6.6	20.2	20.2	33.9	33.9	8.27	8.27	85.30	85.50	6.24	6.26	6.26	1.7	1.7	1.73	3.2	4.0	3.70	1.0	2.0	3.70	1.0	1.0	1.33	<1.6	1.6	1.60
						20.2		33.9		8.27		85.00		6.22			1.7			2.0			1.0			<1.6					
						20.2		33.9		8.28		86.20		6.31			1.7			4.0			2.0			<1.6					
18-Dec-18	Fine	Moderate	8:41	Surface	1	21.7	21.7	33.3	33.3	8.25	8.25	84.50	84.60	5.71	5.71	5.70	1.9	1.9	1.88	5.7	5.9	7.66	<1	<1	1.00	<1.6	1.6	1.60			
						21.7		33.3		8.25		84.50		5.70			1.9			5.9			<1			<1.6					
						21.7		33.3		8.25		84.80		5.72			1.9			5.9			<1			<1.6					
				Middle	3.8	21.6	21.6	33.3	33.3	8.25	8.25	84.40	84.33	5.70	5.70	5.69	1.8	1.9	1.88	6.1	8.2	7.66	<1	<1	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						21.6		33.3		8.25		84.40		5.70			1.9			8.2			<1			<1.6					
						21.6		33.3		8.25		84.20		5.69			1.9			8.5			<1			<1.6					
				Bottom	6.3	21.6	21.6	33.3	33.3	8.25	8.25	84.20	84.27	5.69	5.69	5.69	1.9	1.9	1.88	8.8	8.9	7.66	<1	<1	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						21.7		33.3		8.25		84.40		5.69			1.8			8.8			<1			<1.6					
						21.6		33.3		8.25		84.20		5.69			1.9			9.0			<1			<1.6					
20-Dec-18	Cloudy	Moderate	8:27	Surface	1	20.3	20.3	34.8	34.8	8.42	8.42	97.00	96.93	7.14	7.14	7.14	1.6	1.7	1.80	6.7	7.0	8.02	<1	<1	1.00	<1.6	1.6	1.60			
						20.3		34.8		8.42		96.70		7.12			1.8			7.0			<1			<1.6					
						20.3		34.8		8.42		97.10		7.15			1.7			7.0			<1			<1.6					
				Middle	4.0	20.3	20.3	34.8	34.8	8.43	8.42	97.40	97.00	7.17	7.14	7.15	1.9	1.8	1.80	8.5	8.5	8.02	<1	<1	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						20.3		34.9		8.42		96.60		7.11			1.9			8.4			<1			<1.6					
						20.3		34.9		8.42		97.00		7.14			1.7			8.7			<1			<1.6					
				Bottom	7.0	20.3	20.3	34.9	34.9	8.42	8.42	96.70	97.10	7.12	7.15	7.15	1.9	1.9	1.80	8.5	8.6	8.02	<1	<1	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						20.3		34.9		8.42		97.70		7.20			1.9			8.4			<1			<1.6					
						20.3		34.9		8.42		96.90		7.14			1.8			8.8			<1			<1.6					
22-Dec-18	Cloudy	Moderate	0:39	Surface	1	20.5	20.5	34.8	34.8	8.34	8.34	98.10	98.13	6.82	6.83	6.82	2.1	2.1	2.31	6.1	6.5	7.11	6.0	5.7	5.44	<1.6	1.6	1.60			
						20.5		34.8		8.35		98.30		6.84			2.2			6.8			5.0			<1.6					
						20.5		34.8		8.34		98.00		6.82			2.1			6.7			6.0			<1.6					
				Middle	4.0	20.5	20.5	34.8	34.8	8.36	8.36	97.90	97.93	6.81	6.81	6.81	2.4	2.3	2.31	6.7	6.9	7.11	6.0	5.0	7.11	5.3	5.44	<1.6	1.6	1.60	
						20.5		34.8		8.36		97.80		6.81			2.4			6.9			5.0			<1.6					
						20.5		34.8		8.36		98.10		6.82			2.2			7.0			5.0			<1.6					
				Bottom	7.0	20.5	20.5	34.8	34.8	8.37	8.37	97.50	97.53	6.78	6.78	6.78	2.5	2.5	2.31	7.8	7.9	7.11	6.0	5.0	7.11	5.3	5.44	<1.6	1.6	1.60	
						20.5		34.8		8.38		97.40		6.77			2.5			8.1			5.0			<1.6					
						20.5		34.8		8.37		97.70		6.80			2.4			7.9			5.0			<1.6					
27-Dec-18	Cloudy	Moderate	3:55	Surface	1	20.6	20.6	34.6	34.6	8.24	8.22	86.10	84.17	6.32	6.18	6.16	2.6	2.5	2.50	5.2	4.8	5.74	6.0	6.3	6.11	<1.6	1.6	1.60			
						20.6		34.6		8.21		83.00		6.09			2.4			4.5			6.0			<1.6					
						20.6		34.6		8.22		83.40		6.12			2.5			4.6			7.0			<1.6					
				Middle	3.8	20.6	20.6	34.6	34.6	8.23	8.23	83.30	83.77	6.12	6.15	6.14	2.4	2.5	2.50	4.5	5.1	5.74	6.0	6.0	6.11	6.0	6.0	6.11	<1.6	1.6	1.60
						20.6		34.6		8.25		85.10		6.25			2.5			5.0			6.0			<1.6					
						20.6		34.6		8.22		82.90		6.08			2.6			5.9			6.0			<1.6					
				Bottom	6.4	20.6	20.6	34.6	34.6	8.22	8.24	82.80	83.63	6.08	6.14	6.14	2.5	2.5	2.50	7.3	7.3	5.74	6.0	7.0	6.11	6.0	6.0	6.11	<1.6	1.6	1.60
						20.6		34.6		8.23		83.30		6.12			2.5			7.6			6.0			<1.6					
						20.6		34.6		8.27		84.80		6.22			2.5			6.0			6.0			<1.6					
29-Dec-18	Fine	Moderate	6:38	Surface	1	20.8	20.8	33.4	33.4	8.06	8.06	84.40	84.27	6.21	6.20	6.21	2.2	2.3	2.46	3.4	3.1	3.70	1.0	1.3	1.56	<1.6	1.6	1.60			
						20.8		33.4		8.06		84.20		6.20			2.2			2.9			2.0			<1.6					
						20.8		33.4		8.05		84.20		6.20			2.4			3.0			1.0			<1.6					
				Middle	3.8	20.8	20.8	33.4	33.4	8.06	8.06	84.40	84.37	6.22	6.21	6.21	2.1	2.3	2.46	3.4	3.6	3.70	2.0	2.0	3.70	1.0	1.3	1.56	<1.6	1.6	1.60
						20.8		33.4		8.06		84.30		6.21			2.4			3.5			1.0			<1.6					
						20.8		33.4		8.06		84.40		6.21			2.3			4.0			1.0			<1.6					
				Bottom	6.6	20.8	20.8	33.4	33.4	8.06	8.06	84.00	84.00	6.18	6.18	6.18	2.8	2.8	2.46	4.4	4.4	3.70	2.0	2.0	3.70	2.0	2.0	1.56	<1.6	1.6	1.60
						20.8		33.4		8.06		84.00		6.19			2.8			4.1			2.0			<1.6					
						20.8		33.4		8.06		84.00		6.18			2.9			4.6			2.0			<1.6					

Water Quality Monitoring Results at IS2 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*			
1-Dec-18	Sunny	Moderate	13:06	Surface	1	22.6	22.6	34.0	34.0	8.23	8.23	91.70	92.80	6.51	6.59	6.37	3.4	3.5	3.5	3.90	8.2	7.7	6.56	<1	1.3	1.11	<1.6	1.6	1.60		
						22.6		34.0		8.24		91.10		6.47			3.5				6.8			2.0							
						22.6		34.0		8.22		95.60		6.79			3.7				8.2			<1							
				Middle	4.1	22.6	22.6	34.0	34.0	8.25	8.23	86.10	86.67	6.12	6.16	6.22	4.2	4.0	4.1	6.1	6.6	6.6	6.1	6.6	6.56	1.0	1.0	1.11	<1.6	1.6	1.60
						22.6		34.0		8.23		87.80		6.24			4.1			7.0			1.0								
						22.6		34.0		8.24		89.00		6.32			4.0			4.6			<1								
				Bottom	7.1	22.6	22.6	34.1	34.0	8.22	8.25	86.50	87.60	6.14	6.22	6.22	3.8	3.8	4.1	5.9	5.4	6.56	<1	1.0	6.56	<1	1.0	1.11	<1.6	1.6	1.60
						22.6		34.0		8.22		86.50		6.14			4.4			5.6			<1								
						22.6		34.0		8.28		87.30		6.20			4.4			5.6			<1								
4-Dec-18	Sunny	Moderate	14:12	Surface	1	23.7	23.7	31.2	31.1	8.17	8.17	79.40	79.83	5.39	5.42	5.42	2.7	2.8	2.7	2.81	5.2	5.1	5.12	1.0	1.0	1.00	<1.6	1.6	1.60		
						23.7		31.1		8.17		80.00		5.43			2.8				4.9			1.0							
						23.7		31.1		8.17		80.10		5.44			2.7				5.3			1.0							
				Middle	3.7	23.7	23.7	31.1	31.1	8.18	8.18	79.30	79.67	5.39	5.41	5.38	2.9	2.8	2.8	4.9	5.0	5.12	5.6	5.0	5.12	1.0	1.0	1.00	<1.6	1.6	1.60
						23.7		31.1		8.18		79.60		5.41			2.8			4.4			<1								
						23.7		31.1		8.18		79.80		5.42			2.9			5.3			<1								
				Bottom	6.2	23.6	23.6	31.2	31.1	8.21	8.19	78.70	79.23	5.34	5.38	5.38	2.8	2.8	2.9	5.6	5.3	5.12	5.6	5.3	5.12	1.0	1.0	1.00	<1.6	1.6	1.60
						23.6		31.2		8.17		79.20		5.37			2.9			4.9			1.0								
						23.6		31.2		8.17		79.20		5.37			2.9			4.9			1.0								
6-Dec-18	Fine	Moderate	7:21	Surface	1	22.7	22.7	34.4	34.4	8.13	8.12	93.40	93.40	6.61	6.60	6.63	2.1	2.1	2.1	2.19	2.8	3.5	3.00	8.0	8.0	8.00	<1.6	1.6	1.60		
						22.8		34.4		8.12		93.70		6.62			2.1				3.6			8.0							
						22.7		34.4		8.12		93.10		6.58			2.1				4.2			8.0							
				Middle	4.0	22.5	22.5	34.5	34.5	8.16	8.16	95.00	93.87	6.74	6.66	6.59	2.2	2.1	2.1	2.4	2.4	3.00	8.0	2.0	3.00	8.0	8.0	8.00	<1.6	1.6	1.60
						22.5		34.5		8.15		93.10		6.60			2.1			2.7			8.0								
						22.5		34.5		8.15		93.10		6.60			2.1			2.1			8.0								
				Bottom	7.1	22.5	22.5	34.5	34.5	8.15	8.16	92.50	92.90	6.56	6.59	6.59	2.2	2.3	2.3	3.5	3.1	3.00	8.0	8.0	3.00	8.0	8.0	8.00	<1.6	1.6	1.60
						22.5		34.6		8.18		93.60		6.64			2.5			2.7			8.0								
						22.5		34.5		8.15		92.60		6.56			2.3			3.0			8.0								
8-Dec-18	Fine	Calm	6:31	Surface	1	21.6	21.6	31.2	31.2	8.21	8.21	78.20	78.63	5.26	5.29	5.29	3.1	3.1	3.1	3.21	8.2	8.3	9.26	2.0	2.0	2.00	<1.6	1.6	1.60		
						21.6		31.1		8.21		78.80		5.30			3.2				8.4			2.0							
						21.6		31.1		8.21		78.90		5.31			3.1				8.2			2.0							
				Middle	3.7	21.6	21.6	31.2	31.2	8.22	8.22	78.90	78.47	5.31	5.28	5.25	3.3	3.2	3.2	9.2	8.8	9.26	2.0	2.0	9.26	2.0	2.0	2.00	<1.6	1.6	1.60
						21.6		31.2		8.21		78.10		5.26			3.2			8.6			2.0								
						21.6		31.2		8.21		78.40		5.28			3.2			8.7			2.0								
				Bottom	7.0	21.5	21.5	31.1	31.2	8.22	8.23	78.60	78.03	5.29	5.25	5.25	3.3	3.2	3.3	10.8	10.7	9.26	2.0	2.0	9.26	2.0	2.0	2.00	<1.6	1.6	1.60
						21.5		31.2		8.25		77.50		5.21			3.2			10.4			2.0								
						21.5		31.2		8.21		78.00		5.24			3.3			10.8			2.0								
11-Dec-18	Fine	Moderate	8:24	Surface	1	21.7	21.7	34.8	34.8	8.22	8.18	96.90	97.50	6.96	7.01	6.81	2.0	2.1	2.1	2.49	6.4	6.3	6.30	<1	1.0	1.00	<1.6	1.6	1.60		
						21.7		34.8		8.17		95.20		6.84			2.2				6.1			<1							
						21.7		34.8		8.14		100.40		7.22			2.1				6.3			<1							
				Middle	3.5	21.7	21.7	34.8	34.8	8.15	8.17	92.70	91.97	6.66	6.61	6.65	2.3	2.3	2.3	6.1	6.1	6.30	6.3	6.1	6.30	<1	1.0	1.00	<1.6	1.6	1.60
						21.7		34.8		8.15		91.50		6.57			2.3			5.7			<1								
						21.7		34.8		8.21		91.70		6.59			2.4			6.5			<1								
				Bottom	6.1	21.7	21.7	34.8	34.8	8.14	8.17	92.50	92.50	6.65	6.65	6.65	3.2	3.0	3.0	7.2	6.5	6.30	6.1	6.5	6.30	<1	1.0	1.00	<1.6	1.6	1.60
						21.6		34.8		8.17		93.40		6.71			3.0			6.1			<1								
						21.7		34.8		8.20		91.60		6.58			2.9			6.3			<1								
13-Dec-18	Sunny	Moderate	10:11	Surface	1	21.7	21.7	33.6	33.6	8.16	8.16	94.10	95.87	6.81	6.94	6.90	3.2	3.2	3.2	3.13	4.1	4.4	3.77	<1	1.0	1.00	<1.6	1.6	1.60		
						21.7		33.6		8.17		100.50		7.28			3.1				4.4			<1							
						21.7		33.6		8.15		93.00		6.73			3.2				4.6			<1							
				Middle	3.7	21.7	21.7	33.6	33.6	8.16	8.16	93.00	94.83	6.72	6.86	6.81	3.1	3.1	3.1	3.7	3.5	3.77	3.3	3.5	3.77	<1	1.0	1.00	<1.6	1.6	1.60
						21.7		33.6		8.16		93.60		6.77			3.1			3.3			<1								
						21.7		33.6		8.17		97.90		7.08			3.1			3.6			<1								
				Bottom	6.2	21.7	21.7	33.6	33.6	8.16	8.17	92.90	94.20	6.72	6.81	6.81	3.1	3.0	3.1	3.5	3.4	3.77	3.7	3.4	3.77	<1	1.0	1.00	<1.6	1.6	1.60
						21.7		33.6		8.19		96.10		6.95			3.0			3.7			<1								
						21.7		33.6		8.16		93.60		6.77			3.2			3.0			<1								

Water Quality Monitoring Results at IS2 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value
15-Dec-18	Fine	Moderate	12:02	Surface	1	20.4	33.9	33.9	8.19	8.19	84.70	84.73	6.20	6.20	6.20	2.1	2.1	2.12	3.4	3.9	3.63	1.0	1.0	1.00	<1.6	<1.6	1.60	
					20.4	20.4	33.9	33.9	8.19	8.19	84.70	84.70	6.20	6.20		2.1	2.1		3.7	3.7		1.0	1.0		<1.6	<1.6		
					20.4	20.4	33.9	33.9	8.19	8.19	84.70	84.70	6.20	6.20		2.1	2.1		3.7	3.7		1.0	1.0		<1.6	<1.6		
				Middle	4.0	20.4	33.9	33.9	8.19	8.19	84.70	84.70	6.20	6.20	6.20	2.1	2.1	2.12	3.5	3.2	3.63	1.0	1.0	1.00	<1.6	<1.6	1.60	
					20.4	20.4	33.9	33.9	8.19	8.19	84.70	84.70	6.20	6.20		2.1	2.1		3.7	3.5		1.0	1.0		<1.6	<1.6		
					20.4	20.4	33.9	33.9	8.19	8.19	84.70	84.70	6.20	6.20		2.1	2.1		3.7	3.5		1.0	1.0		<1.6	<1.6		
				Bottom	6.8	20.4	33.9	33.9	8.19	8.19	84.60	84.60	6.19	6.19	6.19	2.2	2.2	2.12	3.7	3.7	3.63	1.0	1.0	1.00	<1.6	<1.6	1.60	
					20.4	20.4	33.9	33.9	8.19	8.19	84.50	84.50	6.18	6.18		2.2	2.2		3.7	3.7		1.0	1.0		<1.6	<1.6		
					20.4	20.4	33.9	33.9	8.20	8.19	84.70	84.70	6.19	6.19		2.1	2.2		3.7	3.7		1.0	1.0		<1.6	<1.6		
18-Dec-18	Sunny	Moderate	12:56	Surface	1	22.4	33.2	33.2	8.30	8.30	86.90	86.17	5.86	5.81	5.80	1.4	1.4	1.60	5.6	5.7	6.64	<1	<1	1.00	<1.6	<1.6	1.60	
					22.5	22.4	33.2	33.2	8.30	8.29	86.60	85.67	5.84	5.78		1.5	1.6		5.9	6.4		<1	<1					
					22.5	22.4	33.2	33.3	8.30	8.29	86.50	83.90	5.83	5.67		1.6	1.6		6.2	6.4		<1	<1					
				Middle	3.9	22.4	33.3	33.3	8.29	8.29	86.60	85.67	5.84	5.78	5.75	1.6	1.6	1.60	6.4	6.2	6.64	<1	<1	1.00	<1.6	<1.6	1.60	
					22.4	22.3	33.4	33.3	8.29	8.29	86.30	83.70	5.83	5.75		1.7	1.8		6.7	7.8		<1	<1					
					22.4	22.4	33.3	33.3	8.29	8.28	86.30	85.60	5.83	5.78		1.8	1.8		7.8	7.8		<1	<1					
				Bottom	6.6	22.4	33.3	33.3	8.29	8.29	86.30	85.20	5.83	5.75	5.75	1.7	1.8	1.60	7.5	8.0	6.64	<1	<1	1.00	<1.6	<1.6	1.60	
					22.2	22.3	33.4	33.3	8.29	8.29	83.70	85.20	5.65	5.75		1.8	1.8		8.0	7.8		<1	<1					
					22.4	22.4	33.3	33.3	8.28	8.28	85.60	85.60	5.78	5.78		1.8	1.8		7.8	7.8		<1	<1					
20-Dec-18	Cloudy	Moderate	5:46	Surface	1	20.2	34.8	34.8	8.35	8.35	96.40	96.40	7.09	7.09	7.10	2.0	2.1	2.19	6.4	6.4	7.41	<1	<1	1.00	<1.6	<1.6	1.60	
					20.2	20.2	34.8	34.8	8.35	8.35	96.30	96.50	7.09	7.10		2.1	2.1		6.5	6.4		<1	<1					
					20.2	20.2	34.8	34.8	8.35	8.35	96.60	96.50	7.11	7.10		2.2	2.2		6.5	6.8		<1	<1					
				Middle	4.1	20.2	34.8	34.8	8.36	8.35	96.60	96.50	7.10	7.10	7.10	2.2	2.2	2.19	6.8	6.8	7.41	<1	<1	1.00	<1.6	<1.6	1.60	
					20.2	20.2	34.8	34.8	8.35	8.35	96.40	96.40	7.10	7.10		2.2	2.2		7.0	7.0		<1	<1					
					20.1	20.1	34.8	34.8	8.37	8.36	97.20	96.70	7.15	7.13		2.3	2.3		8.7	9.0		<1	<1					
				Bottom	7.2	20.1	34.8	34.8	8.36	8.36	96.70	96.87	7.12	7.13	7.13	2.3	2.3	2.19	9.0	9.0	7.41	<1	<1	1.00	<1.6	<1.6	1.60	
					20.1	20.1	34.8	34.8	8.36	8.36	96.70	96.70	7.12	7.12		2.3	2.3		9.4	9.0		<1	<1					
					20.1	20.1	34.8	34.8	8.36	8.36	96.70	96.70	7.12	7.12		2.3	2.3		9.4	9.0		<1	<1					
22-Dec-18	Cloudy	Moderate	5:04	Surface	1	20.5	34.8	34.8	8.37	8.37	100.90	100.80	7.03	7.02	7.01	2.2	2.2	2.43	11.6	11.3	13.21	6.0	6.0	5.22	<1.6	<1.6	1.60	
					20.5	20.5	34.8	34.8	8.37	8.37	100.90	100.60	7.02	7.00		2.2	2.2		11.7	11.5		<1.6	<1.6					
					20.5	20.5	34.8	34.8	8.37	8.37	100.70	100.30	7.01	7.00		2.5	2.5		13.3	13.1		<1.6	<1.6					
				Middle	4.1	20.5	34.8	34.8	8.37	8.37	100.70	100.57	7.01	7.00	7.00	2.5	2.5	2.43	13.3	13.0	13.21	5.0	5.0	5.22	<1.6	<1.6	1.60	
					20.5	20.5	34.8	34.8	8.37	8.37	100.70	100.70	7.01	7.01		2.4	2.4		13.1	13.1		<1.6	<1.6					
					20.5	20.5	34.8	34.8	8.37	8.37	100.40	100.27	6.99	6.98		2.6	2.6		14.9	15.0		<1.6	<1.6					
				Bottom	7.2	20.5	34.8	34.8	8.38	8.37	100.40	100.27	6.98	6.98	6.98	2.6	2.6	2.43	14.7	14.7	13.21	5.0	5.0	5.22	<1.6	<1.6	1.60	
					20.5	20.5	34.8	34.8	8.38	8.37	100.40	100.27	6.98	6.98		2.7	2.6		14.7	15.0		<1.6	<1.6					
					20.5	20.5	34.8	34.8	8.37	8.37	100.00	100.00	6.96	6.96		2.6	2.6		15.3	15.0		<1.6	<1.6					
27-Dec-18	Fine	Moderate	9:31	Surface	1	20.6	34.6	34.6	8.21	8.21	84.70	83.60	6.22	6.14	6.13	2.6	2.5	2.57	4.8	5.6	5.93	6.0	6.0	6.00	<1.6	<1.6	1.60	
					20.6	20.6	34.6	34.6	8.21	8.21	82.60	83.50	6.06	6.13		2.5	2.5		5.0	5.1		<1.6	<1.6					
					20.6	20.6	34.6	34.6	8.21	8.21	82.80	83.30	6.08	6.12		2.6	2.6		6.4	6.2		<1.6	<1.6					
				Middle	3.9	20.6	34.6	34.6	8.21	8.21	83.30	83.40	6.12	6.12	6.12	2.6	2.6	2.57	6.1	6.1	5.93	6.0	6.0	6.00	<1.6	<1.6	1.60	
					20.6	20.6	34.6	34.6	8.22	8.22	84.10	84.10	6.17	6.17		2.6	2.6		6.2	6.2		<1.6	<1.6					
					20.6	20.6	34.6	34.6	8.24	8.22	84.00	83.30	6.17	6.12		2.6	2.6		6.3	6.4		<1.6	<1.6					
				Bottom	6.5	20.5	34.6	34.6	8.21	8.22	82.80	83.30	6.08	6.12	6.12	2.5	2.6	2.57	6.7	6.7	5.93	6.0	6.0	6.00	<1.6	<1.6	1.60	
					20.5	20.5	34.6	34.6	8.38	8.37	100.40	100.27	6.98	6.98		2.7	2.6		14.7	15.0		<1.6	<1.6					
					20.6	20.6	34.6	34.6	8.21	8.21	83.10	83.10	6.10	6.10		2.6	2.6		6.3	6.3		<1.6	<1.6					
29-Dec-18	Sunny	Moderate	11:44	Surface	1	20.8	33.4	33.3	8.05	8.05	84.30	84.27	6.21	6.20	6.20	2.0	2.0	2.27	1.7	2.0	2.43	1.0	<1	1.00	<1.6	<1.6	1.60	
					20.8	20.8	33.3	33.3	8.05	8.05	84.10	84.40	6.19	6.21		2.1	2.1		1.7	1.8		<1.6	<1.6					
					20.8	20.8	33.4	33.4	8.05	8.06	84.00	84.30	6.19	6.20		2.2	2.2		2.5	2.7		<1.6	<1.6					
				Middle	3.9	20.8	33.4	33.4	8.06	8.06	84.30	84.20	6.20	6.20	6.20	2.1	2.1	2.27	2.8	2.8	2.43	1.0	1.0	1.00	<1.6	<1.6	1.60	
					20.8	20.8	33.4	33.4	8.06	8.06	84.30	84.30	6.20	6.20		2.3	2.3		2.7	2.7		<1.6	<1.6					
					20.8	20.8	33.4	33.4	8.06	8.06	84.30	84.30	6.20	6.20		2.3	2.3		2.8	2.8		<1.6	<1.6					
				Bottom	6.7	20.8	33.4	33.4	8.06	8.06	84.00	83.90	6.18	6.18	6.18	2.5	2.5	2.27	2.7	2.9	2.43	1.0	1.0	1.00	<1.6	<1.6	1.60	
					20.8	20.8	33.4	33.4	8.06	8.06	83.80	83.90	6.17	6.18		2.5	2.5		2.8	2.8		<1.6	<1.6					
					20.8	20.8	33.4	33.4	8.06	8.06	83.90	83.90	6.18	6.18		2.7	2.7		2.8	2.8		<1.6	<1.6					

Water Quality Monitoring Results at IS3 - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value
1-Dec-18	Fine	Moderate	6:49	Surface	1	22.5	22.5	34.1	34.1	8.19	8.19	83.20	83.23	5.91	5.92	4.4	4.2	4.40	5.8	5.8	5.42	<1	1.0	1.00	<1.6	1.6	1.60	
						22.6		34.0		8.19		82.70		5.88		4.0			5.9			<1			<1.6			
						22.5		34.1		8.19		83.80		5.96		4.2			5.7			<1			<1.6			
				Middle	9.1	22.5	22.5	34.1	34.1	8.20	8.20	84.30	83.73	5.99	5.95	4.5	4.5	4.40	6.2	5.1	5.42	<1	1.0	1.00	<1.6	1.6	1.60	
						22.5		34.1		8.21		84.10		5.97		4.5			4.6			<1			<1.6			
						22.5		34.1		8.21		84.10		5.97		4.5			4.6			<1			<1.6			
				Bottom	17.3	22.5	22.5	34.1	34.1	8.20	8.20	82.90	82.97	5.89	5.90	4.4	4.5	4.40	5.2	5.3	5.42	<1	1.0	1.00	<1.6	1.6	1.60	
						22.5		34.1		8.20		83.10		5.91		4.6			5.4			<1			<1.6			
						22.5		34.1		8.19		82.90		5.89		4.4			5.4			<1			<1.6			
4-Dec-18	Sunny	Moderate	9:26	Surface	1	23.6	23.6	31.1	31.1	8.20	8.19	78.60	79.83	5.41	5.51	2.5	2.5	2.68	5.9	5.5	5.29	1.0	1.0	1.00	<1.6	1.6	1.60	
						23.6		31.1		8.19		81.20		5.61		2.6			5.4			<1.6						
						23.6		31.1		8.19		79.70		5.50		2.4			5.2			<1.6						
				Middle	8.8	23.5	23.5	31.1	31.1	8.19	8.19	79.20	79.10	5.45	5.45	2.8	2.8	2.68	5.2	5.1	5.29	1.0	1.0	1.00	<1.6	1.6	1.60	
						23.5		31.1		8.20		79.80		5.50		2.8			4.7			<1			<1.6			
						23.5		31.1		8.20		78.30		5.40		2.7			5.4			<1			<1.6			
				Bottom	16.4	23.5	23.5	31.1	31.1	8.20	8.20	78.00	78.73	5.37	5.43	2.7	2.8	2.68	5.2	5.3	5.42	1.0	1.0	1.00	<1.6	1.6	1.60	
						23.5		31.1		8.20		78.90		5.44		2.8			5.5			<1			<1.6			
						23.5		31.1		8.20		79.30		5.47		2.8			5.1			<1			<1.6			
6-Dec-18	Sunny	Moderate	11:03	Surface	1	22.8	22.7	34.4	34.4	8.13	8.13	96.60	96.57	6.82	6.82	1.8	1.8	2.02	4.4	4.1	3.83	8.0	8.0	8.00	<1.6	1.6	1.60	
						22.7		34.4		8.13		96.40		6.81		1.8			4.4			<1.6						
						22.7		34.5		8.14		96.70		6.83		1.9			3.5			<1.6						
				Middle	8.8	22.6	22.6	34.5	34.5	8.15	8.15	94.50	95.53	6.70	6.77	2.1	2.2	2.02	3.9	4.0	3.83	8.0	8.0	8.00	<1.6	1.6	1.60	
						22.6		34.5		8.16		96.10		6.81		2.2			4.2			<1.6						
						22.6		34.5		8.16		96.00		6.80		2.3			3.8			<1.6						
				Bottom	16.5	22.6	22.6	34.5	34.5	8.17	8.15	95.90	95.50	6.79	6.76	2.1	2.0	2.02	3.5	3.4	3.83	8.0	8.0	8.00	<1.6	1.6	1.60	
						22.6		34.5		8.14		94.80		6.71		2.0			3.7			<1.6						
						22.6		34.5		8.14		95.80		6.78		2.0			3.1			<1.6						
8-Dec-18	Fine	Calm	1:40	Surface	1	21.5	21.5	31.2	31.1	8.24	8.23	77.40	78.63	5.28	5.38	2.9	2.9	3.08	10.7	10.7	11.81	2.0	2.0	2.00	<1.6	1.6	1.60	
						21.5		31.1		8.23		80.00		5.48		3.0			10.5			<1.6						
						21.5		31.2		8.23		78.50		5.37		2.8			10.9			<1.6						
				Middle	7.3	21.4	21.4	31.2	31.2	8.23	8.23	78.60	77.90	5.37	5.32	3.2	3.2	3.08	11.8	11.5	11.81	2.0	2.0	2.00	<1.6	1.6	1.60	
						21.4		31.2		8.23		77.10		5.27		3.1			11.7			<1.6						
						21.4		31.2		8.23		78.00		5.32		3.2			11.0			<1.6						
				Bottom	14.4	21.3	21.4	31.2	31.2	8.24	8.24	76.80	77.53	5.24	5.30	3.1	3.2	3.08	12.9	13.2	11.81	2.0	2.0	2.00	<1.6	1.6	1.60	
						21.4		31.1		8.23		77.70		5.31		3.2			13.6			<1.6						
						21.4		31.2		8.24		78.10		5.34		3.2			13.2			<1.6						
11-Dec-18	Fine	Moderate	1:46	Surface	1	21.5	21.5	34.7	34.7	8.27	8.27	85.00	84.27	6.13	6.08	1.9	1.9	2.08	5.8	5.5	4.86	2.0	2.0	1.67	<1.6	1.6	1.60	
						21.5		34.7		8.32		84.80		6.12		1.8			5.4			<1.6						
						21.5		34.7		8.32		83.00		5.99		2.0			6.2			<1.6						
				Middle	8.8	21.6	21.6	34.8	34.8	8.25	8.28	85.30	85.07	6.14	6.12	1.8	1.9	2.08	6.0	5.6	4.86	2.0	2.0	1.67	<1.6	1.6	1.60	
						21.6		34.8		8.27		85.00		6.12		2.0			5.3			<1.6						
						21.6		34.8		8.31		84.90		6.11		2.0			5.4			<1.6						
				Bottom	16.5	21.6	21.6	34.8	34.8	8.25	8.27	83.90	84.00	6.04	6.05	2.5	2.4	2.08	3.5	3.5	4.86	1.0	1.0	1.00	<1.6	1.6	1.60	
						21.6		34.8		8.32		84.30		6.07		2.4			4.3			<1.6						
						21.6		34.8		8.25		83.80		6.03		2.3			2.7			<1.6						
13-Dec-18	Cloudy	Moderate	2:26	Surface	1	21.6	21.6	33.6	33.6	8.14	8.14	90.00	90.17	6.53	6.54	1.9	2.0	2.80	3.6	3.7	3.90	<1	1.0	1.00	<1.6	1.6	1.60	
						21.6		33.6		8.14		90.30		6.54		2.0			4.1			<1			<1.6			
						21.6		33.6		8.14		90.20		6.54		2.0			3.5			<1			<1.6			
				Middle	8.8	21.6	21.6	33.6	33.6	8.14	8.14	90.10	90.03	6.53	6.53	3.3	3.2	2.80	4.2	4.1	3.90	1.0	1.0	1.00	<1.6	1.6	1.60	
						21.6		33.6		8.15		89.90		6.52		3.1			3.9			<1			<1.6			
						21.6		33.6		8.14		90.10		6.53		3.2			4.2			<1			<1.6			
				Bottom	16.5	21.6	21.6	33.6	33.6	8.14	8.14	90.00	90.00	6.52	6.52	3.3	3.2	2.80	3.8	3.9	3.90	1.0	1.0	1.00	<1.6	1.6	1.60	
						21.6		33.6		8.15		89.90		6.52		3.1			3.9			<1			<1.6			
						21.6		33.6		8.14		90.10		6.53		3.3			3.9			<1			<1.6			

Water Quality Monitoring Results at IS3 - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)				
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
15-Dec-18	Cloudy	Moderate	4:07	Surface	1	20.2	20.2	33.9	33.9	8.19	8.19	85.50	86.20	6.26	6.31	6.29	1.9	1.8	1.8	4.5	4.5	1.0	1.3	1.33	<1.6	1.6	1.60			
						20.2		33.9		8.21		85.30		6.24			1.8			4.6			1.0		<1.6					
						20.2		33.9		8.17		87.80		6.42			1.8			4.6			1.0		<1.6					
				Middle	8.5	20.2	20.2	33.9	33.9	8.18	8.18	85.40	85.73	6.25	6.27	1.9	1.8	1.81	4.2	4.6	4.18	4.8	4.6	1.0	1.3	1.33	<1.6	1.6	1.60	
						20.2		33.9		8.20		85.20		6.23		1.7			4.9			1.0			<1.6					
						20.2		33.9		8.17		86.60		6.33		1.8			4.9			1.0			<1.6					
Bottom	16.0	20.2	20.2	33.9	33.9	8.18	8.18	85.40	85.57	6.25	6.26	1.7	1.8	1.81	3.4	3.4	3.4	3.6	3.4	2.0	1.3	1.33	<1.6	1.6	1.60					
		20.2		33.9		8.17		86.10		6.30		1.8			3.1			2.0			<1.6									
		20.2		33.9		8.20		85.20		6.23		1.9			3.1			2.0			<1.6									
18-Dec-18	Fine	Moderate	7:23	Surface	1	21.6	21.6	33.4	33.4	8.27	8.27	83.10	83.03	5.64	5.63	5.63	2.2	2.3	2.3	5.4	5.3	5.96	<1	1.0	1.00	<1.6	1.6	1.60		
						21.6		33.4		8.27		83.00		5.63			2.3			5.5			<1			<1.6				
						21.6		33.4		8.27		83.00		5.63			2.3			5.5			<1			<1.6				
				Middle	8.0	21.5	21.5	33.4	33.4	8.27	8.27	82.80	82.80	5.62	5.62	2.3	2.4	2.36	5.3	5.3	5.96	5.5	5.3	5.96	<1	1.0	1.00	<1.6	1.6	1.60
						21.5		33.4		8.27		82.90		5.62		2.4			5.2			<1			<1.6					
						21.5		33.4		8.27		82.70		5.62		2.4			5.5			<1			<1.6					
Bottom	15.1	21.5	21.5	33.4	33.4	8.27	8.27	82.80	82.67	5.62	5.61	2.4	2.4	2.36	7.0	7.2	7.2	7.5	7.2	7.2	<1	1.0	1.00	<1.6	1.6	1.60				
		21.5		33.4		8.27		82.60		5.60		2.4			7.5			<1			<1.6									
		21.5		33.4		8.27		82.60		5.61		2.5			7.2			<1			<1.6									
20-Dec-18	Cloudy	Moderate	9:54	Surface	1	20.4	20.4	34.8	34.8	8.44	8.44	96.80	96.87	7.12	7.13	7.12	1.6	1.7	1.7	8.3	8.5	8.88	<1	1.0	1.00	<1.6	1.6	1.60		
						20.4		34.8		8.44		96.90		7.13			1.7			8.5			<1			<1.6				
						20.4		34.8		8.45		96.90		7.13			1.8			8.8			<1			<1.6				
				Middle	8.9	20.3	20.3	34.8	34.8	8.45	8.45	96.70	96.70	7.12	7.12	2.1	2.0	2.07	8.6	8.4	8.88	8.6	8.4	8.88	<1	1.0	1.00	<1.6	1.6	1.60
						20.3		34.8		8.45		96.70		7.12		2.1			8.3			<1			<1.6					
						20.3		34.8		8.45		96.70		7.11		1.9			8.3			<1			<1.6					
Bottom	16.8	20.3	20.3	34.9	34.9	8.45	8.45	96.40	96.50	7.10	7.11	2.5	2.5	2.07	9.7	9.7	9.7	9.5	9.7	9.7	<1	1.0	1.00	<1.6	1.6	1.60				
		20.3		34.9		8.45		96.60		7.11		2.6			9.9			<1			<1.6									
		20.3		34.9		8.45		96.50		7.11		2.3			9.9			<1			<1.6									
22-Dec-18	Cloudy	Moderate	23:13	Surface	1	20.5	20.5	34.8	34.8	8.31	8.31	98.00	97.90	6.81	6.81	6.78	2.3	2.3	2.3	6.9	7.1	8.67	5.0	5.3	5.44	<1.6	1.6	1.60		
						20.5		34.8		8.32		97.80		6.80			2.4			7.3			<1			<1.6				
						20.5		34.8		8.31		97.90		6.81			2.2			7.0			<1			<1.6				
				Middle	8.9	20.5	20.5	34.8	34.8	8.33	8.33	96.80	97.03	6.73	6.75	2.6	2.6	2.60	8.5	8.7	8.67	8.6	8.7	8.67	6.0	5.3	5.44	<1.6	1.6	1.60
						20.5		34.8		8.33		97.10		6.76		2.6			8.9			<1			<1.6					
						20.5		34.8		8.33		97.20		6.76		2.7			8.6			<1			<1.6					
Bottom	16.8	20.5	20.5	34.8	34.8	8.34	8.33	96.70	96.67	6.73	6.73	2.9	2.9	2.60	10.1	10.3	10.3	10.5	10.3	10.3	6.0	5.7	5.44	<1.6	1.6	1.60				
		20.5		34.8		8.33		96.60		6.72		2.9			10.2			<1			<1.6									
		20.5		34.8		8.33		96.70		6.73		2.8			10.2			<1			<1.6									
27-Dec-18	Cloudy	Moderate	2:29	Surface	1	20.6	20.6	34.6	34.6	8.32	8.32	84.70	86.03	6.21	6.31	6.28	2.7	2.8	2.8	5.4	5.3	5.59	6.0	6.0	6.22	<1.6	1.6	1.60		
						20.6		34.6		8.32		84.30		6.19			2.8			5.6			<1.6							
						20.6		34.6		8.32		83.10		6.10			2.8			4.8			<1.6							
				Middle	8.5	20.6	20.6	34.6	34.6	8.31	8.32	84.30	85.00	6.43	6.24	2.8	2.8	2.81	4.2	4.1	5.59	4.2	4.1	5.59	6.0	6.3	6.22	<1.6	1.6	1.60
						20.6		34.6		8.31		87.60		6.43		2.8			7.0			<1.6								
						20.6		34.6		8.33		83.10		6.10		2.8			3.8			<1.6								
Bottom	16.1	20.6	20.6	34.6	34.6	8.31	8.32	83.70	84.23	6.15	6.19	2.8	2.8	2.81	7.1	7.4	7.4	7.4	7.4	7.4	6.0	6.3	6.22	<1.6	1.6	1.60				
		20.6		34.6		8.35		83.00		6.10		2.9			6.0			<1.6												
		20.6		34.6		8.31		86.00		6.32		2.8			7.0			<1.6												
29-Dec-18	Fine	Moderate	5:15	Surface	1	20.8	20.8	33.4	33.4	8.05	8.05	83.80	83.93	6.17	6.18	6.18	2.2	2.2	2.2	3.4	3.2	3.22	1.0	1.7	1.56	<1.6	1.6	1.60		
						20.8		33.4		8.05		83.90		6.18			2.2			3.1			<1.6							
						20.8		33.4		8.05		84.10		6.20			2.1			2.0			<1.6							
				Middle	8.8	20.8	20.8	33.4	33.4	8.06	8.06	84.00	83.80	6.18	6.17	2.1	2.2	2.22	2.7	3.2	3.22	3.5	3.2	3.22	1.0	1.7	1.56	<1.6	1.6	1.60
						20.8		33.4		8.06		83.60		6.16		2.4			2.0			<1.6								
						20.8		33.4		8.06		83.60		6.16		2.4			3.3			<1.6								
Bottom	16.6	20.8	20.8	33.4	33.4	8.05	8.05	84.00	83.80	6.18	6.16	2.2	2.3	2.3	3.2	3.3	3.3	3.4	3.3	3.3	1.0	1.3	1.56	<1.6	1.6	1.60				
		20.8		33.4		8.05		83.80		6.16		2.3			1.0			<1.6												
		20.8		33.4		8.05		83.60		6.15		2.3			2.0			<1.6												

Water Quality Monitoring Results at IS3 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*			
1-Dec-18	Sunny	Moderate	14:33	Surface	1	22.6	22.6	34.0	34.0	8.22	8.22	83.60	83.83	5.93	5.95	5.94	2.9	2.7	3.16	5.6	5.4	5.36	<1	1.0	1.00	<1.6	1.6	1.60			
						22.6		34.0		8.22		84.00		5.96			2.6			5.2			<1			<1.6					
						22.6		34.0		8.22		83.90		5.95			2.6			5.5			<1			<1.6					
				Middle	9.1	22.6	22.6	34.0	34.0	8.21	8.21	83.30	83.50	5.92	5.93	5.93	3.4	3.4	3.16	5.1	5.3	5.36	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						22.6		34.0		8.21		83.10		5.90			3.4			6.2			<1			<1.6					
						22.6		34.0		8.21		83.70		5.94			3.2			6.2			<1			<1.6					
				Bottom	16.9	22.6	22.6	34.0	34.0	8.21	8.21	82.70	83.53	5.88	5.93	5.93	3.4	3.4	3.16	5.1	5.4	5.36	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						22.6		34.0		8.22		82.70		5.88			3.4			5.1			<1			<1.6					
						22.6		34.0		8.21		84.20		5.98			3.5			4.8			<1			<1.6					
4-Dec-18	Sunny	Moderate	15:50	Surface	1	23.7	23.7	31.1	31.1	8.16	8.16	79.00	81.43	5.40	5.58	5.52	3.6	3.6	3.60	6.8	6.7	6.14	1.0	1.0	1.00	<1.6	1.6	1.60			
						23.7		31.1		8.16		80.30		5.50			3.5			6.7			1.0			<1.6					
						23.6		31.1		8.17		81.80		5.60			3.5			6.8			<1			<1.6					
				Middle	9.1	23.6	23.6	31.1	31.1	8.16	8.16	78.50	79.80	5.36	5.46	5.46	3.7	3.6	3.60	6.1	6.2	6.14	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						23.6		31.1		8.16		79.10		5.41			3.6			5.7			<1			<1.6					
						23.6		31.1		8.18		80.90		5.53			3.5			5.5			1.0			<1.6					
				Bottom	17.2	23.6	23.6	31.0	31.1	8.15	8.16	79.00	79.30	5.41	5.43	5.43	3.6	3.6	3.60	5.6	5.5	6.14	1.0	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						23.6		31.1		8.16		78.00		5.34			3.7			5.4			<1			<1.6					
						23.6		31.1		8.16		82.80		5.56			2.2			5.4			<1			<1.6					
6-Dec-18	Fine	Moderate	5:49	Surface	1	22.7	22.7	34.4	34.4	8.16	8.15	92.80	93.30	6.56	6.60	6.59	2.7	2.2	2.21	3.2	3.0	4.22	8.0	8.0	8.00	<1.6	1.6	1.60			
						22.7		34.4		8.15		93.30		6.60			2.1			2.7			8.0			<1.6					
						22.7		34.4		8.15		93.80		6.64			2.2			3.2			8.0			<1.6					
				Middle	8.9	22.5	22.5	34.6	34.6	8.18	8.18	92.70	92.87	6.57	6.58	6.58	2.2	2.2	2.21	5.0	4.6	4.22	8.0	8.0	8.00	<1.6	1.6	1.60			
						22.5		34.6		8.18		92.90		6.58			2.3			4.4			8.0			<1.6					
						22.5		34.6		8.18		93.00		6.59			2.0			4.4			8.0			<1.6					
				Bottom	16.8	22.5	22.5	34.6	34.5	8.19	8.18	92.10	92.30	6.53	6.54	6.54	2.5	2.3	2.21	4.4	5.1	4.22	8.0	8.0	8.00	<1.6	1.6	1.60			
						22.6		34.5		8.17		92.10		6.53			2.2			5.3			8.0			<1.6					
						22.5		34.5		8.17		92.70		6.57			2.2			5.5			8.0			<1.6					
8-Dec-18	Fine	Calm	8:21	Surface	1	21.6	21.6	31.1	31.1	8.20	8.20	77.80	80.23	5.27	5.45	5.39	4.0	4.0	4.00	8.0	8.2	9.32	2.0	2.0	1.67	<1.6	1.6	1.60			
						21.6		31.1		8.21		83.80		5.70			4.1			8.4			2.0			<1.6					
						21.6		31.1		8.20		79.10		5.37			3.9			8.3			2.0			<1.6					
				Middle	7.7	21.5	21.5	31.1	31.1	8.21	8.20	80.60	78.60	5.47	5.33	5.33	3.9	4.0	4.00	9.3	9.4	9.32	1.0	1.7	1.67	<1.6	1.6	1.60			
						21.5		31.1		8.20		77.30		5.23			4.1			9.6			2.0			<1.6					
						21.5		31.1		8.20		77.90		5.28			4.0			9.4			2.0			<1.6					
				Bottom	15.2	21.5	21.5	31.1	31.1	8.22	8.20	79.70	78.10	5.40	5.30	5.30	3.9	4.0	4.00	10.6	10.3	9.32	1.0	1.3	1.67	<1.6	1.6	1.60			
						21.5		31.1		8.19		77.80		5.28			4.0			10.1			2.0			<1.6					
						21.5		31.1		8.20		76.80		5.21			4.1			10.2			1.0			<1.6					
11-Dec-18	Fine	Moderate	9:32	Surface	1	21.7	21.7	34.7	34.7	8.28	8.25	96.60	97.50	6.93	7.00	6.82	3.2	3.4	3.52	6.6	6.6	6.80	<1	1.0	1.00	<1.6	1.6	1.60			
						21.7		34.7		8.25		95.60		6.87			3.7			7.2			<1			<1.6					
						21.7		34.7		8.22		100.30		7.21			3.3			6.1			<1			<1.6					
				Middle	8.4	21.7	21.7	34.7	34.7	8.22	8.25	92.90	92.33	6.68	6.64	6.64	3.8	3.7	3.52	6.6	6.2	6.80	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						21.7		34.7		8.25		92.00		6.61			3.5			6.4			<1			<1.6					
						21.7		34.7		8.28		92.10		6.62			3.7			5.7			<1			<1.6					
				Bottom	15.8	21.7	21.7	34.7	34.7	8.22	8.24	92.20	92.30	6.63	6.64	6.64	3.6	3.5	3.52	7.6	7.5	6.80	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						21.7		34.7		8.24		92.60		6.66			3.5			7.0			<1			<1.6					
						21.7		34.7		8.27		92.10		6.62			3.4			8.0			<1			<1.6					
13-Dec-18	Sunny	Moderate	11:14	Surface	1	21.7	21.7	33.4	33.4	8.16	8.15	93.30	93.27	6.75	6.75	6.73	2.1	2.1	2.11	2.8	2.7	2.82	<1	1.0	1.00	<1.6	1.6	1.60			
						21.7		33.4		8.15		93.20		6.75			2.1			2.7			<1			<1.6					
						21.7		33.5		8.15		93.30		6.75			2.1			2.6			<1			<1.6					
				Middle	7.9	21.7	21.7	33.4	33.4	8.15	8.15	92.70	92.63	6.71	6.70	6.70	2.1	2.1	2.11	3.3	3.4	2.82	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						21.7		33.4		8.15		92.40		6.69			2.1			3.2			<1			<1.6					
						21.7		33.4		8.15		92.80		6.71			2.1			3.7			<1			<1.6					
				Bottom	14.8	21.7	21.7	33.4	33.4	8.15	8.15	92.80	92.27	6.71	6.68	6.68	2.2	2.1	2.11	2.5	2.4	2.82	<1	1.0	1.00	<1	1.0	1.00	<1.6	1.6	1.60
						21.7		33.4		8.15		92.30		6.68			2.2			2.4			<1			<1.6					
						21.7		33.4		8.16		91.70		6.64			2.0			2.2			<1			<1.6					

Water Quality Monitoring Results at IS3 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)			Copper (µm/L)			Total PAH (µm/L)						
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*				
15-Dec-18	Fine	Moderate	13:26	Surface	1	20.4	20.4	33.9	33.9	8.21	8.21	84.70	84.73	6.20	6.20	6.20	1.9	2.0	2.0	2.02	3.8	3.6	3.29	1.0	1.0	1.33	1.0	1.6	1.6			
						20.4		33.9		8.22		84.80		6.20			2.0				3.7			1.0			<1.6					
						20.4		33.9		8.21		84.70		6.20			2.0				3.3			1.0			<1.6					
				Middle	8.5	20.4	20.4	33.9	33.9	8.21	8.23	84.60	84.67	6.19	6.19	6.19	2.0	2.0	2.0	2.0	2.0	2.0	2.02	3.4	3.8	3.29	1.0	1.0	1.33	1.3	1.6	1.6
						20.4		33.9		8.21		84.70		6.20			2.0			4.1				1.0			<1.6					
						20.4		33.9		8.21		84.60		6.19			6.19			2.1				2.6			1.0			<1.6		
				Bottom	15.9	20.4	20.4	33.9	33.9	8.24	8.22	84.60	84.57	6.19	6.19	6.19	2.1	2.1	2.1	2.1	2.1	2.1	2.02	2.8	2.5	3.29	1.0	1.0	1.33	1.7	1.6	1.6
						20.4		33.9		8.22		84.60		6.19			6.19			2.1				2.8			1.0			<1.6		
						20.4		33.9		8.21		84.50		6.19			6.19			2.1				2.1			1.0			<1.6		
18-Dec-18	Sunny	Moderate	14:41	Surface	1	22.4	22.4	33.3	33.3	8.24	8.24	82.70	83.13	5.61	5.64	5.64	2.4	2.4	2.4	2.64	4.5	4.4	5.44	<1	<1	1.00	1.0	1.6	1.6			
						22.4		33.3		8.24		82.70		5.70			2.5				4.6			<1			<1.6					
						22.3		33.3		8.24		82.50		5.60			2.7				4.9			<1			<1.6					
				Middle	8.5	22.3	22.3	33.4	33.3	8.24	8.24	82.60	82.60	5.61	5.61	5.61	2.9	2.8	2.8	2.9	2.8	2.8	2.64	5.0	5.1	5.44	<1	<1	1.00	1.0	1.6	1.6
						22.3		33.3		8.24		82.70		5.61			2.8			5.3				<1			<1.6					
						22.3		33.4		8.24		82.60		5.60			2.8			6.8				<1			<1.6					
				Bottom	16.1	22.3	22.3	33.4	33.4	8.24	8.24	82.60	82.43	5.60	5.59	5.59	2.7	2.7	2.7	2.7	2.7	2.7	2.64	6.7	6.9	5.44	<1	<1	1.00	1.0	1.6	1.6
						22.3		33.4		8.24		82.20		5.58			2.7			6.7				<1			<1.6					
						22.3		33.3		8.24		82.50		5.60			2.6			7.2				<1			<1.6					
20-Dec-18	Cloudy	Moderate	4:19	Surface	1	20.2	20.2	34.8	34.8	8.33	8.33	97.80	97.73	7.20	7.20	7.20	2.0	2.0	2.0	2.31	6.7	6.5	8.09	<1	<1	1.00	1.0	1.6	1.6			
						20.2		34.8		8.33		97.80		7.19			2.1				6.4			1.0			<1.6					
						20.2		34.8		8.34		97.60		7.19			2.1				6.4			1.0			<1.6					
				Middle	9.0	20.1	20.1	34.8	34.8	8.33	8.33	97.40	97.50	7.17	7.18	7.18	2.4	2.4	2.4	2.4	2.4	2.4	2.31	8.3	8.1	8.09	<1	<1	1.00	1.0	1.6	1.6
						20.1		34.8		8.33		97.60		7.19			2.4			7.9				<1			<1.6					
						20.1		34.8		8.34		97.50		7.18			2.3			8.2				<1			<1.6					
				Bottom	17.0	20.1	20.1	34.8	34.8	8.33	8.33	97.50	97.40	7.18	7.18	7.18	2.5	2.5	2.5	2.5	2.5	2.5	2.31	9.7	9.6	8.09	<1	<1	1.00	1.0	1.6	1.6
						20.1		34.8		8.34		97.30		7.17			2.5			9.3				<1			<1.6					
						20.1		34.8		8.33		97.40		7.18			2.6			9.9				<1			<1.6					
22-Dec-18	Cloudy	Moderate	6:32	Surface	1	20.5	20.5	34.8	34.8	8.38	8.38	100.40	100.47	6.99	6.99	6.99	2.1	2.2	2.2	2.89	7.3	7.2	8.47	5.0	5.7	5.33	<1.6	1.6	1.6			
						20.5		34.8		8.38		100.60		7.01			2.4				7.2			6.0			<1.6					
						20.5		34.8		8.38		100.40		6.98			2.2				7.0			6.0			<1.6					
				Middle	9.0	20.5	20.5	34.8	34.8	8.38	8.38	100.10	100.17	6.98	6.98	6.98	2.9	2.9	2.9	2.9	2.9	2.9	2.89	9.2	9.1	8.47	6.0	5.3	5.33	<1.6	1.6	1.6
						20.5		34.8		8.38		100.10		6.97			2.9			8.8				5.0			<1.6					
						20.5		34.8		8.38		100.30		6.98			2.9			9.2				5.0			<1.6					
				Bottom	17.0	20.5	20.5	34.9	34.9	8.39	8.39	100.10	100.17	6.98	6.97	6.97	3.6	3.5	3.5	3.6	3.5	3.5	2.89	9.1	9.2	8.47	5.0	5.0	5.33	<1.6	1.6	1.6
						20.5		34.9		8.39		100.10		6.96			3.5			9.4				5.0			<1.6					
						20.5		34.9		8.39		100.30		6.98			3.5			9.0				5.0			<1.6					
27-Dec-18	Fine	Moderate	10:59	Surface	1	20.6	20.6	34.6	34.6	8.21	8.20	91.50	88.00	6.72	6.46	6.46	2.3	2.2	2.2	6.42	5.0	5.2	5.26	6.0	6.0	6.11	<1.6	1.6	1.6			
						20.6		34.6		8.20		86.90		6.38			2.1				6.0			6.0			<1.6					
						20.6		34.6		8.20		85.60		6.28			2.3				5.0			6.0			<1.6					
				Middle	8.7	20.6	20.6	34.6	34.6	8.20	8.24	85.20	87.00	6.25	6.39	6.39	2.3	2.3	2.3	2.3	2.3	2.3	6.42	5.6	5.5	5.26	6.0	6.3	6.11	<1.6	1.6	1.6
						20.6		34.6		8.21		89.50		6.57			2.3			5.1				6.0			<1.6					
						20.6		34.6		8.21		86.30		6.34			2.2			5.7				6.0			<1.6					
				Bottom	16.4	20.6	20.6	34.6	34.6	8.20	8.22	85.10	86.37	6.25	6.34	6.34	2.2	2.2	2.2	2.2	2.2	2.2	6.42	4.5	5.1	5.26	6.0	6.0	6.11	<1.6	1.6	1.6
						20.6		34.6		8.21		86.10		6.32			2.2			5.1				6.0			<1.6					
						20.6		34.6		8.25		87.90		6.45			2.2			5.7				6.0			<1.6					
29-Dec-18	Sunny	Moderate	13:00	Surface	1	20.8	20.8	33.3	33.3	8.05	8.05	84.70	84.70	6.24	6.24	6.24	2.0	2.1	2.1	6.25	1.8	1.8	2.31	1.0	1.0	1.00	1.0	1.6	1.6			
						20.8		33.3		8.05		84.80		6.24			2.2				1.8			1.0			<1.6					
						20.8		33.3		8.05		84.60		6.23			2.2				1.7			1.0			<1.6					
				Middle	8.9	20.7	20.7	33.4	33.4	8.06	8.06	84.90	85.00	6.26	6.26	6.26	2.2	2.2	2.2	2.2	2.2	2.2	6.25	2.1	2.2	2.31	1.0	1.0	1.00	1.0	1.6	1.6
						20.7		33.4		8.06		84.80		6.25			2.1			2.3				1.0			<1.6					
						20.7		33.4		8.06		85.30		6.28			2.3			2.1				1.0			<1.6					
				Bottom	16.8	20.7	20.7	33.4	33.4	8.06	8.06	84.60	84.73	6.24	6.24	6.24	2.4	2.5	2.5	2.4	2.4	2.4	6.25	3.1	3.0	2.31	1.0	1.0	1.00	1.0	1.6	1.6
						20.7		33.4		8.06		84.60		6.23			2.6			2.9				1.0			<1.6					
						20.7		33.4		8.06		85.00		6.26			2.4			3.0				1.0			<1.6					