



**Water Monitoring Result at Station A  
Mid-Flood Tide**

Location: Station A

Coordinate: 835468E, 815857N

Date	Time	Weater Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO		
					°C			-			ppt			%			mg/L		
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average		
28-Dec-12	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16:30		Middle	1.5	19.60	19.60	19.60	7.91	7.91	7.91	32.38	32.38	32.38	68.9	66.7	67.80	5.16	5.07	5.12
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Jan-13	9:50	Fine	Surface	1.0	18.60	18.60	18.60	7.88	7.88	7.88	33.21	33.21	33.21	65.5	65.5	65.50	5.04	5.03	5.04
	9:53		Middle	6.5	18.40	18.40	18.40	7.89	7.89	7.89	33.12	33.12	33.12	69.2	66.5	67.85	5.30	5.10	5.20
	9:55		Bottom	12.0	18.20	18.20	18.20	7.90	7.90	7.90	33.16	33.16	33.16	66.7	66.8	66.75	5.12	5.11	5.12
9-Jan-13	15:16	Fine	Surface	1.0	18.30	18.30	18.30	7.95	7.95	7.95	32.98	32.98	32.98	77.5	77.3	77.40	5.98	5.96	5.97
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15:18		Bottom	4.0	18.40	18.40	18.40	7.96	7.96	7.96	33.04	33.04	33.04	78.3	78.1	78.20	6.04	6.03	6.04
16-Jan-13	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10:11		Middle	1.5	17.60	17.60	17.60	7.95	7.95	7.95	32.53	32.53	32.53	79.4	79.5	79.45	6.23	6.24	6.24
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10:53		Middle	1.5	18.00	18.00	18.00	8.57	8.57	8.57	30.73	30.73	30.73	55.8	56.2	56.00	4.40	4.42	4.41
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remark:

WQM at C7 on 28 Dec 2012 during mid-flood was temporarily suspended due to obstruction of rebar at sampling point impacting the water sampler



**Water Monitoring Result at Station B  
Mid-Flood Tide**

Location: Station B

Coordinate: 835572E, 815961N

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO		
					°C			-			ppt			%			mg/L		
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average		
28-Dec-12	16:25	Fine	Surface	1.0	19.70	19.70	19.70	7.95	7.95	7.95	33.10	33.10	33.10	78.6	78.7	78.65	5.90	5.92	5.91
	16:26		Middle	5.0	19.60	19.60	19.60	7.93	7.93	7.93	33.23	33.23	33.23	76.2	76.4	76.30	5.73	5.75	5.74
	16:27		Bottom	9.0	19.60	19.60	19.60	7.96	7.96	7.96	33.23	33.23	33.23	75.4	75.6	75.50	5.69	5.70	5.70
2-Jan-13	9:57	Fine	Surface	1.0	18.60	18.60	18.60	7.91	7.91	7.91	33.11	33.11	33.11	62.5	62.3	62.40	4.80	4.79	4.80
	9:59		Middle	5.0	18.70	18.70	18.70	7.91	7.91	7.91	33.29	33.29	33.29	67.5	63.3	65.40	5.14	4.84	4.99
	10:01		Bottom	9.0	19.00	19.00	19.00	7.91	7.91	7.91	33.33	33.33	33.33	65.7	63.6	64.65	4.95	4.84	4.90
9-Jan-13	15:08	Fine	Surface	1.0	18.60	18.60	18.60	7.98	7.98	7.98	33.03	33.03	33.03	85.7	84.9	85.30	6.59	6.52	6.56
	15:10		Middle	5.5	18.40	18.40	18.40	8.00	8.00	8.00	33.07	33.07	33.07	85.8	85.4	85.60	6.61	6.60	6.61
	15:12		Bottom	10.0	18.20	18.20	18.20	8.06	8.06	8.06	33.12	33.12	33.12	86.7	86.4	86.55	6.71	6.69	6.70
16-Jan-13	10:06	Fine	Surface	1.0	17.70	17.70	17.70	7.93	7.93	7.93	32.54	32.54	32.54	79.7	79.4	79.55	6.25	6.22	6.24
	10:07		Middle	5.0	17.70	17.70	17.70	7.96	7.96	7.96	32.63	32.63	32.63	79.1	78.8	78.95	6.20	6.18	6.19
	10:08		Bottom	9.0	17.60	17.60	17.60	7.97	7.97	7.97	32.64	32.64	32.64	78.7	78.4	78.55	6.17	6.14	6.16
23-Jan-13	10:47	Fine	Surface	1.0	18.10	18.10	18.10	8.57	8.57	8.57	31.83	31.83	31.83	58.9	59.1	59.00	4.60	4.62	4.61
	10:48		Middle	5.0	18.00	18.00	18.00	8.57	8.57	8.57	31.33	31.33	31.33	59.9	60.2	60.05	4.69	4.71	4.70
	10:49		Bottom	9.0	17.30	17.80	17.55	8.57	8.57	8.57	31.36	31.36	31.36	60.7	60.3	60.50	4.71	4.73	4.72

Remark:

WQM at C7 on 28 Dec 2012 during mid-flood was temporarily suspended due to obstruction of rebar at sampling point impacting the water sampler



**Water Monitoring Result at Station C  
Mid-Flood Tide**

Location: Station C

Coordinate: 835659E, 816271N

Date	Time	Weater Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO		
					°C			-			ppt			%			mg/L		
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average		
28-Dec-12	16:20	Fine	Surface	1.0	19.80	19.80	19.80	7.92	7.92	7.92	33.16	33.16	33.16	78.8	78.7	78.75	5.91	5.91	5.91
	16:21		Middle	6.5	19.80	19.80	19.80	7.94	7.94	7.94	33.25	33.25	33.25	79.8	79.1	79.45	5.99	5.94	5.97
	16:22		Bottom	12.0	19.80	19.80	19.80	7.93	7.93	7.93	33.24	33.24	33.24	79.2	79.0	79.10	5.94	5.93	5.94
2-Jan-13	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10:03		Middle	1.5	18.60	18.60	18.60	7.92	7.92	7.92	32.18	32.18	32.18	62.7	61.7	62.20	4.83	4.75	4.79
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Jan-13	15:00	Fine	Surface	1.0	18.30	18.30	18.30	8.01	8.01	8.01	33.07	33.07	33.07	83.2	83.3	83.25	6.42	6.44	6.43
	15:02		Middle	7.0	18.20	18.20	18.20	8.08	8.08	8.08	33.08	33.08	33.08	86.3	86.4	86.35	6.68	6.69	6.69
	15:04		Bottom	13.0	18.20	18.20	18.20	8.08	8.08	8.08	33.09	33.09	33.09	86.6	86.9	86.75	6.70	6.73	6.72
16-Jan-13	10:00	Fine	Surface	1.0	17.50	17.50	17.50	7.95	7.95	7.95	32.52	32.52	32.52	79.2	78.5	78.85	6.22	6.19	6.21
	10:01		Middle	7.0	17.50	17.50	17.50	8.02	8.02	8.02	32.53	32.53	32.53	80.6	80.4	80.50	6.33	6.32	6.33
	10:02		Bottom	12.0	17.50	17.50	17.50	8.01	8.01	8.01	32.54	32.54	32.54	80.2	80.1	80.15	6.31	6.30	6.31
23-Jan-13	10:41	Fine	Surface	1.0	18.00	18.00	18.00	8.67	8.67	8.67	31.80	31.80	31.80	61.3	61.6	61.45	4.79	4.81	4.80
	10:42		Middle	7.0	17.90	17.90	17.90	8.56	8.58	8.57	31.81	31.81	31.81	60.1	60.0	60.05	4.71	4.70	4.71
	10:43		Bottom	13.0	17.90	17.90	17.90	8.58	8.58	8.58	31.86	31.86	31.86	60.0	59.6	59.80	4.70	4.67	4.69

Remark:

WQM at C7 on 28 Dec 2012 during mid-flood was temporarily suspended due to obstruction of rebar at sampling point impacting the water sampler



**Water Monitoring Result at Station A  
Mid-Ebb Tide**

Location: Station A

Coordinate: 835468E, 815857N

Date	Time	Weather Condition	Sampling Depth	Water Temperature			pH			Salinity			DO Saturation			DO			
				m	°C		-		ppt		%		mg/L						
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
29-Dec-12	0:54	Fine	Surface	1.0	19.60	19.60	19.60	7.86	7.86	7.86	32.61	32.58	32.60	65.3	65.1	65.20	4.90	4.89	4.90
	0:55		Middle	3.0	19.60	19.60	19.60	7.86	7.86	7.86	33.19	33.19	33.19	68.8	68.2	68.50	5.19	5.16	5.18
	0:56		Bottom	5.0	19.60	19.60	19.60	7.80	7.80	7.80	31.09	31.11	31.10	64.1	63.9	64.00	4.83	4.81	4.82
2-Jan-13	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0:15		Middle	1.5	18.80	18.80	18.80	7.88	7.88	7.88	33.09	33.09	33.09	71.7	71.8	71.75	5.47	5.48	5.48
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Jan-13	0:14	Fine	Surface	1.0	18.20	18.20	18.20	7.96	7.96	7.96	32.07	32.07	32.07	72.7	72.9	72.80	5.65	5.69	5.67
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0:16		Bottom	3.0	18.20	18.20	18.20	7.90	7.90	7.90	32.08	32.08	32.08	75.1	75.8	75.45	5.84	5.90	5.87
16-Jan-13	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15:51		Middle	1.5	18.00	18.00	18.00	7.95	7.95	7.95	31.99	31.99	31.99	78.5	78.9	78.70	6.12	6.15	6.14
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	19:35	Cloudy	Surface	1.0	18.10	18.00	18.05	8.60	8.59	8.60	31.60	31.63	31.62	53.3	53.2	53.25	4.17	4.15	4.16
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	19:37		Bottom	5.0	17.80	17.80	17.80	8.56	8.56	8.56	31.85	31.85	31.85	56.1	56.2	56.15	4.40	4.41	4.41

Remark:

WQM at C7 on 28 Dec 2012 during mid-flood was temporarily suspended due to obstruction of rebar at sampling point impacting the water sampler



**Water Monitoring Result at Station B  
Mid-Ebb Tide**

Location: Station B

Coordinate: 835572E, 815961N

Date	Time	Weater Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO		
			m		°C			-			ppt		%		mg/L				
					Value	Average		Value	Average		Value	Average	Value	Average	Value	Average			
29-Dec-12	0:48	Fine	Surface	1.0	19.60	19.60	19.60	7.87	7.87	7.87	33.16	33.16	33.16	72.3	72.1	72.20	5.45	5.44	5.45
	0:50		Middle	4.5	19.60	19.60	19.60	7.88	7.88	7.88	33.19	33.19	33.19	72.8	72.4	72.60	5.48	5.46	5.47
	0:52		Bottom	8.0	19.50	19.50	19.50	7.89	7.89	7.89	33.20	33.20	33.20	74.6	74.4	74.50	5.63	5.62	5.63
2-Jan-13	0:10	Fine	Surface	1.0	18.70	18.70	18.70	7.94	7.94	7.94	33.10	33.10	33.10	71.0	71.0	71.00	5.50	5.42	5.46
	0:11		Middle	4.5	18.90	18.90	18.90	7.89	7.89	7.89	33.15	33.15	33.15	71.9	71.6	71.75	5.48	5.46	5.47
	0:12		Bottom	8.0	18.90	18.90	18.90	7.91	7.91	7.91	33.17	33.17	33.17	72.9	72.5	72.70	5.56	5.53	5.55
9-Jan-13	0:08	Fine	Surface	1.0	18.20	18.20	18.20	7.95	7.95	7.95	31.56	31.56	31.56	84.5	84.9	84.70	6.60	6.63	6.62
	0:09		Middle	5.0	18.20	18.20	18.20	7.99	7.99	7.99	32.07	32.07	32.07	87.3	86.9	87.10	6.80	6.77	6.79
	0:10		Bottom	9.0	18.20	18.20	18.20	8.00	8.00	8.00	31.64	31.64	31.64	82.0	80.3	81.15	6.42	6.34	6.38
16-Jan-13	15:48	Fine	Surface	1.0	17.20	17.20	17.20	7.94	7.94	7.94	32.11	32.11	32.11	82.1	81.8	81.95	6.38	6.36	6.37
	15:49		Middle	5.0	17.90	17.90	17.90	8.04	8.04	8.04	32.66	32.66	32.66	87.6	80.7	84.15	6.35	6.29	6.32
	15:50		Bottom	9.0	17.40	17.40	17.40	7.96	7.96	7.96	32.66	32.66	32.66	78.9	78.8	78.85	6.15	6.14	6.15
23-Jan-13	19:30	Cloudy	Surface	1.0	17.80	17.80	17.80	8.64	8.64	8.64	31.81	31.80	31.81	60.2	60.0	60.10	4.73	4.71	4.72
	19:31		Middle	5.0	17.60	17.60	17.60	8.67	8.67	8.67	31.83	31.83	31.83	64.9	64.8	64.85	5.11	5.10	5.11
	19:33		Bottom	9.0	17.60	17.60	17.60	8.70	8.70	8.70	31.82	31.84	31.83	65.9	65.9	65.90	5.20	5.20	5.20

Remark:

WQM at C7 on 28 Dec 2012 during mid-flood was temporarily suspended due to obstruction of rebar at sampling point impacting the water sampler



**Water Monitoring Result at Station C  
Mid-Ebb Tide**

Location: Station C

Coordinate: 835659E, 816271N

Date	Time	Weater Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO		
			m		°C			-			ppt			%			mg/L		
					Value	Average		Value	Average		Value	Average		Value	Average		Value	Average	
29-Dec-12	0:43	Fine	Surface	1.0	19.70	19.70	19.70	8.12	8.10	8.11	33.23	33.23	33.23	80.6	80.4	80.50	6.06	6.04	6.05
	0:45		Middle	7.0	19.70	19.70	19.70	8.04	8.03	8.04	33.24	33.24	33.24	78.5	78.2	78.35	5.89	5.87	5.88
	0:48		Bottom	13.0	19.60	19.60	19.60	7.97	7.97	7.97	33.23	33.23	33.23	77.6	77.1	77.35	5.83	5.80	5.82
2-Jan-13	0:05	Fine	Surface	1.0	18.50	18.50	18.50	7.99	7.99	7.99	33.19	33.19	33.19	75.7	75.5	75.60	5.79	5.77	5.78
	0:06		Middle	6.5	18.80	18.80	18.80	8.01	8.01	8.01	33.21	33.21	33.21	76.4	76.5	76.45	5.84	5.85	5.85
	0:07		Bottom	12.0	18.80	18.80	18.80	7.99	7.99	7.99	33.21	33.21	33.21	77.0	77.1	77.05	5.88	5.90	5.89
9-Jan-13	0:03	Fine	Surface	1.0	18.20	18.20	18.20	7.95	7.95	7.95	32.96	32.96	32.96	84.0	83.7	83.85	6.50	6.48	6.49
	0:05		Middle	7.0	18.70	18.10	18.40	7.99	7.99	7.99	33.13	33.13	33.13	84.3	83.5	83.90	6.48	6.46	6.47
	0:06		Bottom	12.0	18.10	18.10	18.10	7.97	7.97	7.97	33.04	33.04	33.04	83.0	83.1	83.05	6.62	6.63	6.63
16-Jan-13	15:41	Fine	Surface	1.0	18.10	18.10	18.10	7.80	7.80	7.80	32.54	32.54	32.54	82.1	80.8	81.45	6.37	6.26	6.32
	15:42		Middle	6.5	17.60	17.60	17.60	7.92	7.92	7.92	32.65	32.65	32.65	80.5	80.4	80.45	6.28	6.27	6.28
	15:43		Bottom	12.0	17.80	7.80	12.80	7.94	7.94	7.94	32.64	32.64	32.64	80.8	80.6	80.70	6.31	6.29	6.30
23-Jan-13	19:24	Cloudy	Surface	1.0	18.00	18.00	18.00	8.80	8.79	8.80	31.78	31.77	31.78	63.1	63.0	63.05	4.95	4.93	4.94
	19:26		Middle	7.0	17.70	17.70	17.70	8.81	8.83	8.82	31.81	31.80	31.81	65.8	65.7	65.75	5.18	5.17	5.18
	19:29		Bottom	13.0	17.50	17.50	17.50	8.80	8.79	8.80	31.82	31.82	31.82	61.6	60.9	61.25	4.87	4.83	4.85

Remark:

WQM at C7 on 28 Dec 2012 during mid-flood was temporarily suspended due to obstruction of rebar at sampling point impacting the water sampler