



**Water Monitoring Result at M5B - Central Cooling Water Intake Group  
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
					°C		-		ppt		%		mg/L		NTU		mg/L							
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
02/05/2018	21:02	Cloudy	Middle	3.5	24.40	24.40	24.40	8.05	8.05	8.05	32.13	32.13	32.13	78.0	80.5	79.6	5.16	5.32	5.26	1.29	1.34	1.28	4	4.50
	21:03		Middle	3.5	24.40	24.40		8.05	8.05		32.13	32.14		79.5	80.2		5.26	5.31		1.25	1.24		5	
04/05/2018	09:25	Fine	Middle	4.0	24.40	24.40	24.40	8.27	8.27	8.28	32.75	32.75	32.75	90.9	90.8	90.6	6.30	6.29	6.27	8.79	8.75	8.72	9	10.00
	09:27		Middle	4.0	24.40	24.40		8.28	8.28		32.75	32.75		90.3	90.3		6.25	6.25		8.65	8.68		11	
07/05/2018	04:19	Cloudy	Middle	3.0	25.40	25.40	25.40	8.11	8.11	8.11	31.95	31.95	31.95	76.4	77.9	77.1	5.23	5.33	5.28	1.32	1.38	1.31	4	5.00
	04:20		Middle	3.0	25.40	25.40		8.11	8.11		31.95	31.95		77.0	77.1		5.27	5.27		1.22	1.30		6	
10/05/2018	03:28	Cloudy	Middle	3.5	23.40	23.40	23.40	8.20	8.20	8.20	32.87	32.87	32.87	75.7	77.6	76.9	5.36	5.46	5.42	3.25	3.34	3.21	4	4.50
	03:29		Middle	3.5	23.40	23.40		8.20	8.20		32.87	32.87		77.1	77.0		5.44	5.43		3.09	3.14		5	
12/05/2018	17:05	Fine	Middle	4.0	25.70	25.70	25.75	8.16	8.16	8.18	32.52	32.52	32.52	87.7	88.1	87.9	5.95	5.97	5.96	9.74	9.66	9.75	14	<u>15.00</u>
	17:07		Middle	4.0	25.80	25.80		8.20	8.20		32.51	32.51		87.6	88.3		5.93	5.97		9.79	9.79		16	
14/05/2018	18:20	Fine	Middle	4.0	26.60	26.60	26.70	8.17	8.17	8.18	31.73	31.73	31.73	86.3	85.6	85.8	5.79	5.73	5.75	10.74	10.66	10.65	11	11.50
	18:22		Middle	4.0	26.80	26.80		8.19	8.19		31.73	31.73		85.7	85.6		5.73	5.73		10.62	10.59		12	
16/05/2018	17:55	Fine	Middle	3.0	26.90	26.90	26.90	8.10	8.10	8.10	30.72	30.72	30.72	77.1	78.6	78.4	5.16	5.27	5.26	9.01	8.69	9.02	13	11.50
	17:56		Middle	3.0	26.90	26.90		8.10	8.10		30.72	30.72		79.9	78.1		5.36	5.24		8.41	9.96		10	
19/05/2018	09:50	Fine	Middle	4.0	27.50	27.50	27.55	8.19	8.19	8.19	30.04	30.04	30.05	86.8	86.3	86.6	5.79	5.73	5.77	8.69	8.62	8.62	4	3.00
	09:52		Middle	4.0	27.60	27.60		8.19	8.19		30.05	30.05		86.6	86.5		5.77	5.77		8.59	8.58		2	
21/05/2018	11:05	Fine	Middle	4.0	27.60	27.60	27.65	8.19	8.19	8.20	30.53	30.53	30.53	86.8	87.2	86.9	5.76	5.78	5.66	8.34	8.35	8.35	2	2.00
	11:07		Middle	4.0	27.70	27.70		8.20	8.20		30.52	30.52		86.6	87.1		5.74	5.38		8.36	8.35		<2	
23/05/2018	13:35	Fine	Middle	4.0	28.70	28.70	28.80	8.22	8.22	8.23	30.19	30.19	30.19	86.1	86.7	86.1	5.62	5.68	5.61	8.73	8.72	8.76	7	6.50
	13:37		Middle	4.0	28.90	28.90		8.23	8.23		30.18	30.18		86.0	85.4		5.60	5.55		8.78	8.79		6	
25/05/2018	16:20	Fine	Middle	4.0	28.90	28.90	29.00	8.36	8.36	8.37	29.60	29.60	29.60	92.6	93.1	92.4	6.04	6.08	6.03	8.08	8.12	8.11	6	5.50
	16:22		Middle	4.0	29.10	29.10		8.37	8.37		29.60	29.60		92.1	91.6		6.01	5.97		8.12	8.13		5	
28/05/2018	16:30	Fine	Middle	4.0	31.40	31.40	31.45	8.31	8.31	8.31	29.10	29.10	29.10	88.7	89.3	88.7	5.59	5.62	5.58	8.61	8.64	8.64	5	5.00
	16:32		Middle	4.0	31.50	31.50		8.31	8.31		29.10	29.10		88.4	88.4		5.56	5.56		8.67	8.65		5	
30/05/2018	18:52	Fine	Middle	3.0	29.20	29.20	29.20	8.11	8.11	8.11	30.91	30.91	30.91	79.2	78.4	79.0	5.11	5.06	5.10	2.31	2.04	2.18	5	5.00
	18:53		Middle	3.0	29.20	29.20		8.11	8.11		30.91	30.91		78.8	79.6		5.09	5.14		2.15	2.21		5	

Remarks:  
Single underline denotes exceedance over Action Level.  
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at Culvert J - Reference Station  
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH		Salinity		DO Saturation		DO		Turbidity		Suspended Solids							
					°C		-		ppt		%		mg/L		NTU		mg/L							
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
02/05/2018	21:09	Cloudy	Middle	3.0	24.40	24.40	24.40	7.74	7.74	7.74	29.93	29.93	29.93	60.5	61.3	60.6	4.06	4.10	4.06	2.17	1.93	2.03	5	4.50
	21:10		Middle	3.0	24.40	24.40	24.40	7.74	7.74	7.74	29.93	29.93	29.93	59.5	61.2	60.6	3.98	4.09	4.06	2.06	1.97	2.03	4	
04/05/2018	09:20	Fine	Middle	4.0	24.50	24.50	24.60	8.22	8.22	8.24	32.50	32.50	32.50	87.5	87.2	87.4	6.05	6.03	6.04	8.83	8.80	8.81	8	7.50
	09:22		Middle	4.0	24.70	24.70	24.60	8.26	8.26	8.24	32.50	32.50	32.50	87.4	87.4	87.4	6.06	6.03	6.04	8.80	8.81	8.81	7	
07/05/2018	04:27	Cloudy	Middle	2.5	25.50	25.50	25.50	7.82	7.82	7.82	30.60	30.60	30.60	56.9	58.3	57.5	3.92	4.01	3.96	1.10	1.80	1.51	4	4.50
	04:28		Middle	2.5	25.50	25.50	25.50	7.82	7.82	7.82	30.60	30.60	30.60	57.2	57.5	57.5	3.94	3.96	3.96	1.31	1.81	1.51	5	
10/05/2018	04:03	Cloudy	Middle	3.0	23.30	23.30	23.30	7.50	7.50	7.50	28.56	28.56	28.56	21.2	21.7	21.3	1.54	1.57	1.53	10.10	9.56	9.77	7	7.00
	04:04		Middle	3.0	23.30	23.30	23.30	7.50	7.50	7.50	28.55	28.55	28.56	20.6	21.8	21.3	1.48	1.51	1.53	9.73	9.69	9.77	7	
12/05/2018	17:00	Fine	Middle	3.5	26.20	26.20	26.35	8.13	8.13	8.13	29.36	29.36	29.36	77.2	77.1	77.2	5.26	5.26	5.26	15.29	15.29	15.29	9	8.00
	17:02		Middle	3.5	26.50	26.50	26.35	8.13	8.13	8.13	29.35	29.35	29.36	77.1	77.2	77.2	5.24	5.26	5.26	15.29	15.29	15.29	7	
14/05/2018	18:15	Fine	Middle	4.0	27.20	27.20	27.30	8.14	8.14	8.15	30.34	30.34	30.34	75.8	75.4	75.5	5.06	5.04	5.04	20.31	20.29	20.28	12	12.50
	18:17		Middle	4.0	27.40	27.40	27.30	8.15	8.15	8.15	30.33	30.33	30.34	75.5	75.2	75.5	5.04	5.01	5.04	20.26	20.26	20.28	13	
16/05/2018	18:10	Fine	Middle	3.0	26.90	26.90	26.90	8.01	8.01	8.01	27.78	27.78	27.78	65.5	68.1	67.7	4.47	4.65	4.62	16.76	16.86	15.82	19	17.50
	18:11		Middle	3.0	26.90	26.90	26.90	8.00	8.00	8.01	27.78	27.78	27.78	69.0	68.0	67.7	4.71	4.64	4.62	14.95	14.72	15.82	16	
19/05/2018	09:45	Fine	Middle	4.0	27.40	27.40	27.50	8.17	8.17	8.17	29.82	29.82	29.82	78.0	78.0	78.0	5.21	5.21	5.22	9.09	9.01	9.03	4	4.50
	09:47		Middle	4.0	27.60	27.60	27.50	8.17	8.17	8.17	29.81	29.81	29.82	77.7	78.2	78.0	5.18	5.27	5.22	9.00	9.00	9.03	5	
21/05/2018	11:00	Fine	Middle	3.5	28.20	28.20	28.30	8.17	8.17	8.17	30.14	30.14	30.14	78.9	78.9	79.1	5.19	5.19	5.20	9.00	9.00	9.00	2	2.00
	11:02		Middle	3.5	28.40	28.40	28.30	8.17	8.17	8.17	30.13	30.13	30.14	79.2	79.2	79.1	5.20	5.20	5.20	9.00	9.01	9.00	<2	
23/05/2018	13:30	Fine	Middle	3.5	29.60	29.60	29.60	8.19	8.19	8.19	30.10	30.10	30.10	84.0	83.8	83.5	5.40	5.39	5.38	9.04	9.05	9.08	8	7.50
	13:32		Middle	3.5	29.60	29.60	29.60	8.19	8.19	8.19	30.10	30.10	30.10	83.0	83.1	83.5	5.35	5.36	5.38	9.11	9.12	9.08	7	
25/05/2018	16:15	Fine	Middle	3.5	29.30	29.30	29.40	8.32	8.32	8.33	29.25	29.25	29.25	90.7	91.2	90.6	5.89	5.92	5.88	8.39	8.39	8.39	6	5.00
	16:17		Middle	3.5	29.50	29.50	29.40	8.33	8.33	8.33	29.24	29.24	29.25	90.1	90.4	90.6	5.84	5.86	5.88	8.39	8.39	8.39	4	
28/05/2018	16:25	Fine	Middle	3.5	32.00	32.00	32.15	8.32	8.32	8.31	28.90	28.90	28.90	87.3	88.9	88.5	5.44	5.53	5.51	8.31	8.31	8.31	6	6.50
	16:27		Middle	3.5	32.30	32.30	32.15	8.30	8.30	8.31	28.89	28.89	28.90	88.7	89.2	88.5	5.51	5.54	5.51	8.32	8.31	8.31	7	
30/05/2018	19:00	Fine	Middle	3.0	29.20	29.20	29.20	7.95	7.95	7.94	27.13	27.13	27.13	54.9	56.4	55.7	3.63	3.72	3.68	8.63	8.37	8.42	12	11.00
	19:01		Middle	3.0	29.20	29.20	29.20	7.93	7.93	7.94	27.13	27.13	27.13	55.1	56.3	55.7	3.64	3.71	3.68	8.22	8.46	8.42	10	

Remarks:  
Single underline denotes exceedance over Action Level.  
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at M5B - Central Colling Water Intake Group  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
					°C		-		ppt		%		mg/L		NTU		mg/L							
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
02/05/2018	14:35	Fine	Middle	3.5	26.70	26.70	26.80	8.19	8.19	8.19	31.84	31.84	31.84	85.6	85.2	85.5	5.72	5.69	5.71	6.43	6.45	6.45	4	5.00
	14:37		Middle	3.5	26.90	26.90		8.18	8.18		31.84	31.84		85.4	85.6		5.70	5.71		6.45	6.45		6	
04/05/2018	15:25	Cloudy	Middle	4.0	24.70	24.70	24.70	8.24	8.24	8.25	32.32	32.32	32.32	88.9	89.1	89.0	6.15	6.16	6.15	8.06	8.07	8.08	6	6.50
	15:27		Middle	4.0	24.70	24.70		8.26	8.26		32.32	32.32		89.0	89.0		6.15	6.15		8.08	8.12		7	
07/05/2018	14:35	Cloudy	Middle	4.0	26.20	26.20	26.30	8.21	8.21	8.22	32.15	32.15	32.15	87.8	88.1	87.9	5.91	5.93	5.91	8.50	8.50	8.48	6	5.50
	14:37		Middle	4.0	26.40	26.40		8.22	8.22		32.15	32.15		87.8	87.9		5.90	5.91		8.49	8.44		5	
09/05/2018	18:35	Cloudy	Middle	3.5	23.20	3.20	18.20	8.19	8.19	8.19	32.87	32.87	32.87	75.1	74.9	74.5	5.30	5.29	5.26	2.84	2.85	2.83	4	5.00
	18:36		Middle	3.5	23.20	23.20		8.19	8.19		32.87	32.87		74.2	73.9		5.24	5.21		2.85	2.76		6	
12/05/2018	10:05	Cloudy	Middle	4.0	25.10	25.10	25.15	8.22	8.22	8.24	32.73	32.73	32.73	88.2	87.9	88.1	6.04	6.01	6.02	8.51	8.43	8.44	6	6.00
	10:07		Middle	4.0	25.20	25.20		8.25	8.25		32.72	32.72		88.7	87.4		6.06	5.98		8.42	8.41		6	
14/05/2018	13:15	Fine	Middle	4.0	27.40	27.40	27.50	8.14	8.14	8.15	31.67	31.67	31.67	84.6	84.8	84.5	5.59	5.60	5.58	9.58	9.56	9.58	9	8.00
	13:17		Middle	4.0	27.60	27.60		8.16	8.16		31.66	31.66		84.3	84.4		5.56	5.57		9.58	9.60		7	
16/05/2018	13:20	Fine	Middle	3.5	27.40	27.40	27.20	8.03	8.03	8.03	30.66	30.66	30.68	86.7	87.0	86.3	5.82	5.84	5.80	17.27	17.28	17.27	12	<u>12.00</u>
	13:22		Middle	3.5	27.00	27.00		8.02	8.02		30.70	30.70		85.8	85.8		5.75	5.79		17.26	17.25		12	
19/05/2018	14:15	Fine	Middle	4.0	28.30	28.30	28.40	8.18	8.18	8.18	29.64	29.64	29.65	85.8	85.2	85.1	5.65	5.61	5.60	8.38	8.38	8.39	4	4.00
	14:17		Middle	4.0	28.50	28.50		8.18	8.18		29.65	29.65		84.5	85.0		5.55	5.59		8.39	8.39		4	
21/05/2018	17:15	Fine	Middle	4.0	29.10	29.10	28.90	8.13	8.13	8.16	29.56	29.56	29.56	84.9	85.0	84.9	5.58	5.58	5.57	13.05	13.00	12.99	9	8.50
	17:17		Middle	4.0	28.70	28.70		8.18	8.18		29.55	29.55		84.4	85.3		5.53	5.59		12.97	12.95		8	
23/05/2018	19:05	Fine	Middle	3.5	27.10	27.10	27.10	8.22	8.22	8.22	29.99	29.99	29.99	65.4	65.7	66.0	4.40	4.42	<u>4.44</u>	1.27	1.30	1.38	2	4.00
	19:06		Middle	3.5	27.10	27.10		8.22	8.22		29.99	29.99		66.4	66.6		4.46	4.48		1.48	1.45		6	
25/05/2018	09:20	Fine	Middle	4.0	27.80	27.80	27.85	8.29	8.29	8.30	30.17	30.17	30.17	86.0	85.2	85.6	5.70	5.65	5.67	8.08	8.05	8.05	4	4.50
	09:22		Middle	4.0	27.90	27.90		8.30	8.30		30.17	30.17		85.7	85.3		5.68	5.65		8.05	8.03		5	
28/05/2018	13:30	Fine	Middle	3.5	30.20	30.20	30.20	8.28	8.28	8.28	29.11	29.11	29.13	86.5	86.9	86.4	5.56	5.58	5.55	8.09	8.08	8.09	6	5.50
	13:32		Middle	3.5	30.20	30.20		8.28	8.28		29.15	29.15		85.9	86.2		5.51	5.53		8.09	8.08		5	
30/05/2018	11:48	Fine	Middle	3.0	29.50	29.50	29.60	8.04	8.04	8.05	30.99	30.99	30.99	84.4	84.4	82.9	5.42	5.42	5.30	8.75	8.71	8.62	2	2.00
	11:50		Middle	3.0	29.70	29.70		8.06	8.06		30.98	30.98		82.6	80.3		5.30	5.05		8.73	8.28		2	

Remarks:  
Single underline denotes exceedance over Action Level.  
Double underline denotes exceedance over Limit Level.



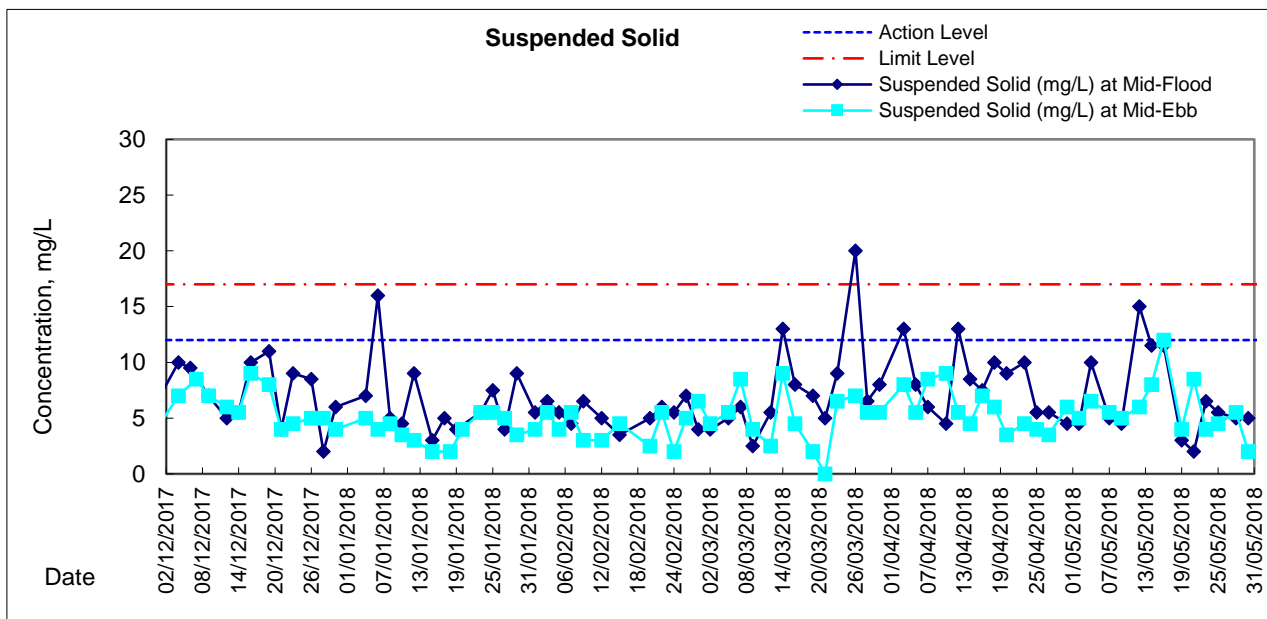
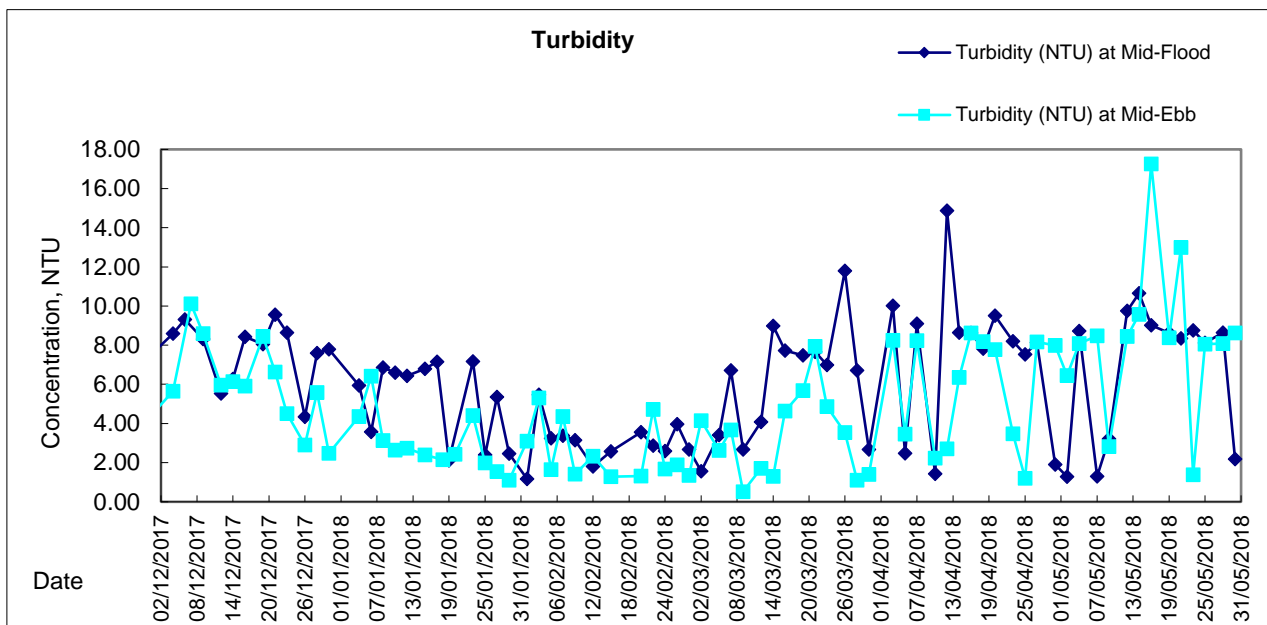
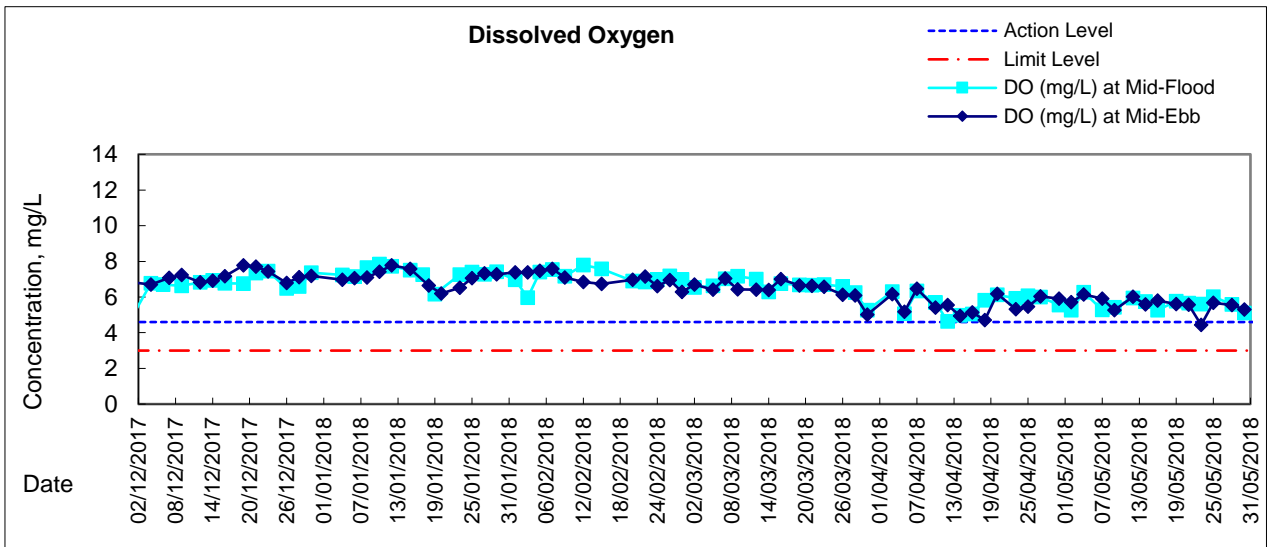
**Water Monitoring Result at Culvert J - Reference Station  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids					
					°C			-			ppt		%		mg/L		NTU		mg/L					
					Value	Average		Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average				
02/05/2018	14:40	Fine	Middle	4	26.70	26.70	26.80	8.13	8.13	8.12	31.21	31.21	31.21	83.7	83.3	83.5	5.58	5.59	5.61	8.49	8.49	8.52	7	6.00
	14:42		Middle	4	26.90	26.90		8.11	8.11		31.21	31.21		83.5	83.6		5.59	5.66		8.54	8.57		5	
04/05/2018	15:20	Cloudy	Middle	4	25.00	25.00	25.00	8.17	8.17	8.16	29.14	29.15	29.14	70.7	71.2	71.1	4.95	4.98	4.98	10.09	10.12	10.13	8	9.00
	15:22		Middle	4	25.00	25.00		8.14	8.14		29.14	29.14		71.3	71.3		4.99	4.99		10.15	10.15		10	
07/05/2018	14:30	Cloudy	Middle	4	26.90	26.90	27.00	8.16	8.16	8.17	32.35	32.35	32.35	84.1	84.4	84.2	5.59	5.60	5.57	8.39	8.31	8.32	6	5.50
	14:32		Middle	4	27.10	27.10		8.18	8.18		32.34	32.34		84.4	83.8		5.60	5.50		8.30	8.29		5	
09/05/2018	18:43	Cloudy	Middle	3	23.30	23.30	23.30	7.67	7.66	7.65	28.72	28.72	28.72	17.6	18.4	18.3	1.27	1.33	1.32	3.46	3.46	3.32	5	5.00
	18:44		Middle	3	23.30	23.30		7.64	7.64		28.72	28.72		18.7	18.4		1.35	1.33		3.23	3.11		5	
12/05/2018	10:00	Cloudy	Middle	4	25.40	25.40	25.45	8.20	8.20	8.20	31.36	31.36	31.36	78.0	77.8	77.9	5.35	5.34	5.34	8.75	8.78	8.78	4	4.50
	10:02		Middle	4	25.50	25.50		8.20	8.20		31.35	31.35		77.8	78.1		5.33	5.35		8.79	8.78		5	
14/05/2018	13:20	Fine	Middle	4	28.10	28.10	28.20	8.10	8.10	8.10	30.33	30.33	30.33	71.8	72.3	72.7	4.73	4.76	4.78	10.57	10.57	10.57	12	13.00
	13:22		Middle	4	28.30	28.30		8.09	8.09		30.33	30.33		73.3	73.2		4.82	4.81		10.57	10.57		14	
16/05/2018	13:15	Fine	Middle	4	27.60	27.60	27.75	8.05	8.05	8.06	25.76	25.76	25.76	61.4	61.4	61.7	4.18	4.18	4.20	16.11	16.11	16.12	11	11.00
	13:17		Middle	4	27.90	27.90		8.06	8.06		25.76	25.76		61.8	62.2		4.20	4.22		16.12	16.13		11	
19/05/2018	14:20	Fine	Middle	4	28.70	28.70	28.80	8.17	8.17	8.18	29.02	29.02	29.02	80.1	80.3	80.0	5.26	5.27	5.25	9.34	9.33	9.33	4	4.50
	14:22		Middle	4	28.90	28.90		8.18	8.18		29.02	29.02		79.7	79.9		5.22	5.23		9.33	9.32		5	
21/05/2018	17:20	Fine	Middle	4	28.80	28.80	28.90	8.15	8.15	8.15	27.72	27.72	27.72	70.9	71.1	71.3	4.68	4.69	4.71	9.31	9.32	9.32	2	2.00
	17:22		Middle	4	29.00	29.00		8.14	8.14		27.72	27.72		71.5	71.7		4.72	4.73		9.32	9.32		<2	
23/05/2018	19:13	Fine	Middle	3	27.40	27.40	27.40	7.92	7.92	7.92	26.75	26.75	26.75	64.8	65.1	65.1	4.42	4.44	4.44	4.55	4.41	4.41	5	5.00
	19:14		Middle	3	27.40	27.40		7.92	7.92		26.75	26.75		64.9	65.4		4.43	4.46		4.38	4.30		5	
25/05/2018	09:15	Fine	Middle	4	28.40	28.40	28.45	8.26	8.26	8.27	29.64	29.64	29.64	85.1	85.3	84.7	5.60	5.61	5.57	8.26	8.31	8.34	5	4.50
	09:17		Middle	4	28.50	28.50		8.27	8.27		29.64	29.64		84.4	84.1		5.55	5.53		8.38	8.39		4	
28/05/2018	13:25	Fine	Middle	4	31.20	31.20	31.30	8.25	8.25	8.25	29.05	29.05	29.05	84.2	84.7	84.1	5.31	5.34	5.30	8.49	8.46	8.43	5	5.00
	13:27		Middle	4	31.40	31.40		8.25	8.25		29.05	29.05		83.6	84.0		5.27	5.29		8.36	8.39		5	
30/05/2018	11:44	Fine	Middle	3	30.10	30.10	30.35	8.01	8.01	8.01	28.82	28.82	28.84	69.2	69.8	67.6	4.42	4.46	4.32	9.51	9.52	9.52	3	3.00
	11:46		Middle	3	30.60	30.60		8.00	8.00		28.85	28.85		67.3	64.0		4.30	4.09		9.52	9.52		3	

Remarks:  
Single underline denotes exceedance over Action Level.  
Double underline denotes exceedance over Limit Level.



### Graphic Presentation of Water Quality Result of M5B - Central Cooling Water Intake Groups





### Graphic Presentation of Water Quality Result of Culvert J - Reference Station

