



**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					
03/04/2018	09:30	Fine	Middle	4.0	22.60	22.60	22.60	8.17	8.17	8.17	31.38	31.38	31.38	86.2	86.7	87.1	6.24	6.28	6.30	9.98	9.95	10.02	12	<u>13.00</u>
	09:32		Middle	4.0	22.60	22.60	22.60	8.17	8.17	8.17	31.38	31.38	31.38	87.6	87.9	87.1	6.31	6.37	6.30	10.06	10.07	10.02	14	
05/04/2018	08:41	Fine	Middle	3.0	25.80	25.80	25.80	8.06	8.06	8.06	31.68	31.68	31.68	74.3	74.7	74.6	5.05	5.07	5.07	2.62	2.40	2.48	8	8.00
	08:42		Middle	3.0	25.80	25.80	25.80	8.06	8.06	8.06	31.68	31.68	31.68	74.5	74.8	74.6	5.07	5.09	5.07	2.37	2.51	2.48	8	
07/04/2018	09:35	Cloudy	Middle	4.0	21.00	21.00	20.95	8.27	8.27	8.28	32.65	32.65	32.66	86.5	85.7	86.0	6.35	6.32	6.34	9.07	9.07	9.10	7	6.00
	09:37		Middle	4.0	20.90	20.90	20.95	8.29	8.29	8.28	32.66	32.66	32.66	85.6	86.1	86.0	6.32	6.36	6.34	9.10	9.14	9.10	5	
10/04/2018	03:15	Fine	Middle	3.5	22.20	22.20	22.20	8.13	8.13	8.13	33.25	33.25	33.25	80.8	81.1	80.8	5.70	5.72	5.70	1.89	1.32	1.42	4	4.50
	03:16		Middle	3.5	22.20	22.20	22.20	8.13	8.13	8.13	33.25	33.25	33.25	81.3	80.0	80.8	5.73	5.64	5.70	1.18	1.30	1.42	5	
12/04/2018	15:24	Fine	Middle	3.5	23.90	23.90	23.90	8.10	8.10	8.12	32.56	32.56	32.55	68.2	66.4	66.1	4.78	4.65	4.63	15.26	14.52	14.88	12	<u>13.00</u>
	15:26		Middle	3.5	23.90	23.90	23.90	8.13	8.13	8.12	32.54	32.54	32.55	65.6	64.3	66.1	4.59	4.50	4.63	14.65	15.08	14.88	14	
14/04/2018	17:56	Fine	Middle	3.5	24.30	24.30	24.30	8.07	8.07	8.10	31.91	31.91	31.91	74.4	72.3	71.3	5.19	5.04	4.98	8.68	8.61	8.64	9	8.50
	17:58		Middle	3.5	24.30	24.30	24.30	8.13	8.13	8.10	31.91	31.91	31.91	69.7	68.8	71.3	4.87	4.80	4.98	8.63	8.65	8.64	8	
16/04/2018	18:36	Rainy	Middle	3.5	21.80	21.80	21.85	8.22	8.22	8.23	32.22	32.22	32.26	71.5	70.0	69.8	5.18	5.07	5.06	8.64	8.65	8.62	7	7.50
	18:38		Middle	3.5	21.90	21.90	21.85	8.23	8.23	8.23	32.29	32.29	32.26	69.3	68.3	69.8	5.02	4.96	5.06	8.50	8.68	8.62	8	
18/04/2018	18:25	Cloudy	Middle	3.0	22.60	22.60	22.60	8.06	8.06	8.06	32.76	32.76	32.76	81.2	82.0	81.4	5.80	5.86	5.81	7.98	8.11	7.82	10	10.00
	18:26		Middle	3.0	22.60	22.60	22.60	8.06	8.06	8.06	32.76	32.76	32.76	80.0	82.2	81.4	5.72	5.87	5.81	7.58	7.61	7.82	10	
20/04/2018	09:40	Cloudy	Middle	4.0	22.90	22.90	22.90	8.20	8.20	8.21	32.71	32.71	32.71	86.2	86.4	86.2	6.13	6.15	6.13	9.47	9.52	9.51	8	9.00
	09:42		Middle	4.0	22.90	22.90	22.90	8.21	8.21	8.21	32.71	32.71	32.71	86.0	86.0	86.2	6.11	6.11	6.13	9.53	9.50	9.51	10	
23/04/2018	13:30	Fine	Middle	4.0	24.70	24.70	24.80	8.13	8.13	8.13	32.41	32.41	32.41	86.0	86.2	86.1	5.93	5.94	5.93	8.18	8.16	8.20	9	10.00
	13:32		Middle	4.0	24.90	24.90	24.80	8.13	8.13	8.13	32.41	32.41	32.41	86.1	86.1	86.1	5.93	5.93	5.93	8.21	8.23	8.20	11	
25/04/2018	14:50	Cloudy	Middle	4.0	23.60	23.60	23.60	8.15	8.15	8.16	32.32	32.32	32.32	86.1	86.2	86.1	6.07	6.08	6.07	7.53	7.53	7.53	6	5.50
	14:52		Middle	4.0	23.60	23.60	23.60	8.16	8.16	8.16	32.32	32.32	32.32	86.0	85.9	86.1	6.06	6.05	6.07	7.52	7.54	7.53	5	
27/04/2018	12:35	Cloudy	Middle	3.5	24.60	24.60	24.65	8.16	8.16	8.16	32.64	32.64	32.63	87.2	87.2	87.0	6.02	6.01	6.00	8.16	8.13	8.13	6	5.50
	12:37		Middle	3.5	24.70	24.70	24.65	8.16	8.16	8.16	32.62	32.63	32.63	86.6	86.9	87.0	5.97	5.99	6.00	8.12	8.11	8.13	5	
30/04/2018	18:17	Fine	Middle	3.0	25.10	25.10	25.10	7.99	7.99	7.99	32.44	32.44	32.44	82.4	82.3	82.1	5.56	5.57	5.55	1.99	1.86	1.90	5	4.50
	18:18		Middle	3.0	25.10	25.10	25.10	7.99	7.99	7.99	32.44	32.44	32.44	82.3	81.4	82.1	5.56	5.49	5.55	1.91	1.84	1.90	4	

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					
03/04/2018	09:25	Fine	Middle	3.5	22.80	22.80	22.90	8.15	8.15	8.16	31.35	31.35	31.35	86.3	86.0	85.9	6.19	6.17	6.16	9.58	9.61	9.63	9	9.50
	09:27		Middle	3.5	23.00	23.00		8.16	8.16		31.34	31.34		86.2	85.1		6.18	6.09		9.63	9.68		10	
05/04/2018	08:47	Fine	Middle	2.5	25.70	25.70	25.70	7.84	7.84	7.84	28.46	28.46	28.46	38.5	41.5	40.5	2.68	2.88	2.81	8.96	8.83	8.83	8	9.50
	08:48		Middle	2.5	25.70	25.70		7.84	7.84		28.46	28.46		41.0	40.8		2.85	2.83		8.91	8.62		11	
07/04/2018	09:30	Cloudy	Middle	3.5	20.50	20.50	20.45	8.25	8.25	8.25	31.52	31.52	31.52	81.8	82.0	81.8	6.30	6.15	6.18	9.03	9.01	9.00	6	5.50
	09:32		Middle	3.5	20.40	20.40		8.25	8.25		31.52	31.52		81.2	82.1		6.09	6.16		9.01	8.94		5	
10/04/2018	03:23	Fine	Middle	3.0	22.80	22.80	22.80	7.94	7.94	7.94	30.52	30.52	30.52	66.1	65.7	66.0	4.77	4.74	4.76	2.82	2.72	2.55	5	5.00
	03:24		Middle	3.0	22.80	22.80		7.94	7.94		30.52	30.52		66.0	66.2		4.76	4.77		2.29	2.37		5	
12/04/2018	15:20	Fine	Middle	3.5	24.40	24.40	24.45	8.09	8.09	8.08	30.29	30.29	30.24	60.0	60.1	59.9	4.21	4.22	4.20	10.29	10.28	10.49	11	10.00
	15:22		Middle	3.5	24.50	24.50		8.07	8.07		30.18	30.18		60.3	59.3		4.22	4.16		10.71	10.68		9	
14/04/2018	17:52	Fine	Middle	3.5	24.80	24.80	24.90	8.06	8.06	8.06	28.44	28.44	28.39	61.1	61.1	60.8	4.31	4.31	4.29	10.09	10.11	10.19	6	6.00
	17:54		Middle	3.5	25.00	25.00		8.05	8.05		28.34	28.34		60.9	60.1		4.29	4.23		10.25	10.30		6	
16/04/2018	18:32	Rainy	Middle	3.5	21.70	21.70	21.70	8.23	8.23	8.23	31.67	31.67	32.19	63.5	63.3	63.3	4.66	4.62	4.63	8.71	8.71	8.70	7	7.50
	18:34		Middle	3.5	21.70	21.70		8.23	8.23		32.71	32.71		63.1	63.1		4.62	4.61		8.72	8.64		8	
18/04/2018	18:30	Cloudy	Middle	2.5	22.70	22.70	22.70	8.03	8.03	8.03	31.65	31.65	31.65	78.2	78.3	77.9	5.62	5.63	5.60	12.47	11.57	11.91	14	11.50
	18:31		Middle	2.5	22.70	22.70		8.03	8.03		31.65	31.65		77.0	77.9		5.53	5.60		11.71	11.89		9	
20/04/2018	09:35	Cloudy	Middle	3.5	23.00	23.00	23.00	8.17	8.17	8.18	32.70	32.70	32.70	88.4	88.3	87.7	6.28	6.27	6.23	9.84	9.85	9.78	10	9.00
	09:37		Middle	3.5	23.00	23.00		8.19	8.19		32.70	32.70		87.2	86.9		6.19	6.17		9.74	9.68		8	
23/04/2018	13:35	Fine	Middle	3.5	25.50	25.50	25.60	8.12	8.12	8.12	32.41	32.41	32.41	79.6	76.8	77.5	5.21	5.22	5.21	8.41	8.36	8.37	11	10.00
	13:37		Middle	3.5	25.70	25.70		8.11	8.11		32.40	32.40		76.7	76.8		5.21	5.21		8.35	8.34		9	
25/04/2018	14:45	Cloudy	Middle	3.5	23.70	23.70	23.75	8.13	8.13	8.13	30.59	30.59	32.10	69.4	69.9	70.0	4.94	4.96	4.97	8.64	8.64	8.65	5	5.50
	14:47		Middle	3.5	23.80	23.80		8.12	8.12		30.60	30.60		70.3	70.2		4.99	4.98		8.67	8.65		6	
27/04/2018	12:30	Cloudy	Middle	3.5	25.00	25.00	25.15	8.12	8.12	8.13	32.65	32.65	32.65	86.4	86.8	85.7	5.90	5.93	5.88	7.92	8.02	8.00	5	4.50
	12:32		Middle	3.5	25.30	25.30		8.14	8.14		32.64	32.64		83.4	86.0		5.82	5.86		8.02	8.02		4	
30/04/2018	18:23	Fine	Middle	2.5	25.20	25.20	25.20	7.60	7.60	7.60	30.06	30.06	30.06	70.3	70.7	70.9	4.79	4.81	4.82	8.99	8.48	8.64	14	11.00
	18:24		Middle	2.5	25.20	25.20		7.59	7.59		30.06	30.06		70.7	71.8		4.81	4.87		8.66	8.42		8	

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					
					Value	Average		Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average				
03/04/2018	14:45	Fine	Middle	3.5	23.60	23.60	23.70	8.15	8.15	8.15	31.30	31.30	31.30	87.2	87.2	87.2	6.17	6.16	6.16	8.31	8.27	8.25	9	8.00
	14:47		Middle	3.5	23.80	23.80		8.15	8.15		31.29	31.29		87.2	87.1		6.16	6.15		8.21	8.19		7	
05/04/2018	15:50	Fine	Middle	3.5	25.90	25.90	25.90	8.11	8.11	8.11	31.86	31.86	31.86	74.4	76.4	76.3	5.05	5.18	5.18	3.88	3.52	3.46	6	5.50
	15:51		Middle	3.5	25.90	25.90		8.11	8.11		31.86	31.86		77.5	76.7		5.26	5.21		3.19	3.24		5	
07/04/2018	14:35	Cloudy	Middle	4.0	20.80	20.80	20.80	8.32	8.32	8.32	32.74	32.74	32.75	87.4	87.3	87.6	6.46	6.45	6.47	8.20	8.21	8.24	8	8.50
	14:37		Middle	4.0	20.80	20.80		8.32	8.32		32.75	32.75		87.9	87.7		6.50	6.48		8.27	8.28		9	
10/04/2018	20:31	Cloudy	Middle	3.5	24.80	24.80	24.80	8.07	8.07	8.07	33.30	33.30	33.30	78.9	77.7	79.0	5.40	5.33	5.42	2.70	2.09	2.24	10	9.00
	20:32		Middle	3.5	24.80	24.80		8.07	8.07		33.30	33.30		80.1	79.4		5.50	5.43		1.94	2.21		8	
12/04/2018	20:15	Cloudy	Middle	3.5	24.00	24.00	24.00	8.00	8.00	8.00	32.49	32.49	32.49	78.3	79.1	79.5	5.47	5.53	5.55	2.58	2.86	2.70	5	5.50
	20:16		Middle	3.5	24.00	24.00		8.00	8.00		32.49	32.49		80.0	80.5		5.59	5.62		2.63	2.73		6	
14/04/2018	11:59	Fine	Middle	3.5	24.40	24.40	24.45	8.12	8.12	8.13	32.29	32.29	32.28	72.5	71.6	71.4	5.03	4.97	4.95	6.41	6.05	6.36	5	4.50
	12:01		Middle	3.5	24.50	24.50		8.13	8.13		32.26	32.26		71.0	70.3		4.91	4.87		6.49	6.47		4	
16/04/2018	13:45	Cloudy	Middle	3.5	22.20	22.20	22.20	8.16	8.16	8.18	32.35	32.35	32.39	73.1	71.9	71.5	5.27	5.18	5.15	8.59	8.59	8.63	8	7.00
	13:47		Middle	3.5	22.20	22.20		8.20	8.20		32.43	32.43		70.8	70.2		5.10	5.03		8.58	8.75		6	
18/04/2018	14:15	Fine	Middle	3.5	23.40	23.40	23.45	8.18	8.18	8.19	32.58	32.58	32.57	67.4	67.0	66.7	4.75	4.73	4.71	8.20	8.20	8.18	6	6.00
	14:17		Middle	3.5	23.50	23.50		8.19	8.19		32.56	32.56		66.6	65.8		4.70	4.64		8.19	8.13		6	
20/04/2018	14:35	Cloudy	Middle	4.0	23.20	23.20	23.20	8.20	8.20	8.20	32.56	32.56	32.56	87.4	87.3	87.3	6.20	6.19	6.19	7.82	7.80	7.78	3	3.50
	14:37		Middle	4.0	23.20	23.20		8.20	8.20		32.56	32.56		87.3	87.2		6.18	6.18		7.77	7.73		4	
23/04/2018	17:30	Cloudy	Middle	3.5	25.70	25.70	25.70	8.04	8.04	8.04	32.75	32.75	32.75	77.5	78.8	78.4	5.26	5.34	5.32	3.65	3.71	3.48	4	4.50
	17:31		Middle	3.5	25.70	25.70		8.04	8.04		32.75	32.75		77.5	79.9		5.26	5.42		3.36	3.18		5	
25/04/2018	20:45	Cloudy	Middle	3.0	24.10	24.10	24.10	8.10	8.10	8.10	33.21	33.21	33.21	78.9	77.3	78.6	5.48	5.37	5.46	1.27	1.28	1.21	3	4.00
	20:46		Middle	3.0	24.10	24.10		8.10	8.10		33.21	33.21		78.3	79.9		5.44	5.55		1.17	1.11		5	
27/04/2018	17:30	Cloudy	Middle	4.0	24.20	24.20	24.25	8.13	8.13	8.15	32.12	32.12	32.12	86.6	87.3	86.6	6.04	6.09	6.04	8.19	8.16	8.16	3	3.50
	17:32		Middle	4.0	24.30	24.30		8.16	8.16		32.11	32.11		86.1	86.4		6.00	6.02		8.14	8.16		4	
30/04/2018	14:45	Cloudy	Middle	3.5	25.10	25.10	25.15	8.15	8.15	8.15	31.89	31.89	31.89	86.0	86.2	86.2	5.91	5.92	5.92	7.97	8.00	7.99	6	6.00
	14:47		Middle	3.5	25.20	25.20		8.15	8.15		31.89	31.89		86.1	86.4		5.91	5.93		7.98	7.99		6	

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



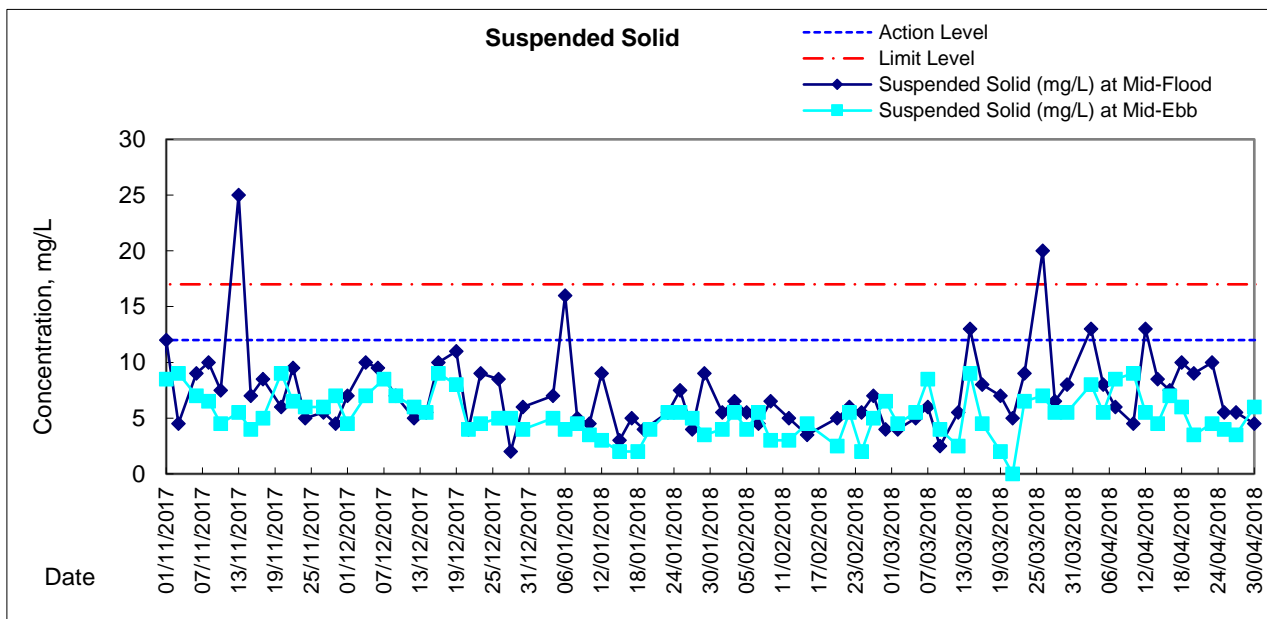
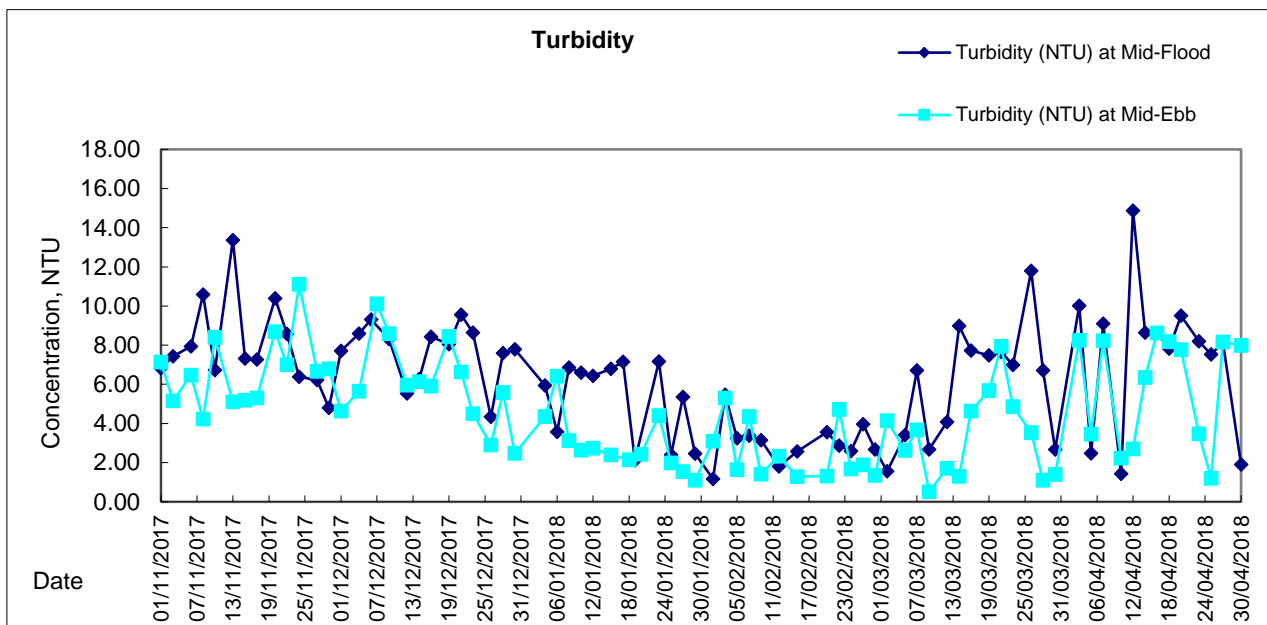
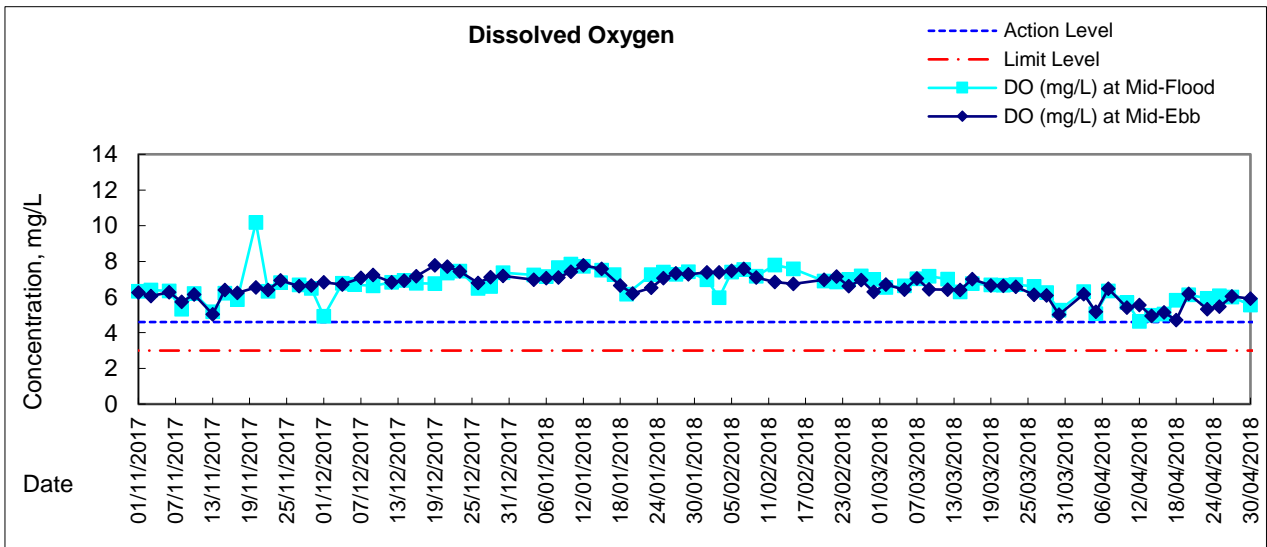
**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

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				
03/04/2018	14:40	Fine	Middle	4	24.40	24.40	24.50	8.15	8.15	8.15	31.29	31.29	31.29	81.4	81.4	80.9	5.67	5.67	5.63	8.56	8.48	8.50	8	7.00
	14:42		Middle	4	24.60	24.60		8.15	8.15	8.15	31.28	31.28		80.2	80.5		5.58	5.60		8.47	8.48		6	
05/04/2018	15:56	Fine	Middle	3	25.80	25.80	25.80	7.78	7.78	7.78	28.35	28.35	28.35	43.6	42.5	43.9	3.02	2.95	3.04	14.30	13.48	13.87	5	4.50
	15:57		Middle	3	25.80	25.80		7.78	7.78	7.78	28.35	28.35		44.6	44.7		3.10	3.10		13.92	13.77		4	
07/04/2018	14:30	Cloudy	Middle	4	20.50	20.50	20.50	8.32	8.32	8.32	32.63	32.63	32.63	83.2	83.4	83.1	6.18	6.20	6.18	9.58	9.58	9.51	8	7.50
	14:32		Middle	4	20.50	20.50		8.32	8.32	8.32	32.63	32.63		82.4	83.2		6.13	6.19		9.32	9.54		7	
10/04/2018	20:40	Cloudy	Middle	3	24.80	24.80	24.80	7.59	7.55	7.55	29.90	29.90	29.90	13.5	13.6	13.7	0.94	0.95	0.96	1.13	1.04	1.14	9	9.00
	20:41		Middle	3	24.80	24.80		7.53	7.51	7.51	29.90	29.90		13.7	13.8		0.96	0.97		1.17	1.20		9	
12/04/2018	20:21	Cloudy	Middle	3	24.00	24.00	24.00	7.55	7.55	7.55	30.79	30.79	30.79	59.1	62.8	61.4	4.04	4.29	4.19	1.06	1.11	1.11	5	5.00
	20:22		Middle	3	24.00	24.00		7.55	7.55	7.55	30.79	30.79		61.5	62.0		4.20	4.23		1.09	1.16		5	
14/04/2018	11:55	Fine	Middle	4	25.30	25.30	25.20	8.08	8.08	8.09	31.09	31.09	31.55	66.9	65.9	65.7	4.61	4.54	4.53	7.34	7.25	7.25	4	3.50
	11:57		Middle	4	25.10	25.10		8.10	8.10	8.10	32.00	32.00		65.1	64.8		4.49	4.46		7.21	7.20		3	
16/04/2018	13:40	Cloudy	Middle	4	22.20	22.20	22.20	8.15	8.15	8.15	30.76	30.76	30.78	56.4	60.9	59.9	4.11	4.44	4.37	8.85	8.83	8.84	5	5.50
	13:42		Middle	4	22.20	22.20		8.14	8.14	8.14	30.79	30.79		61.0	61.3		4.44	4.47		8.83	8.84		6	
18/04/2018	14:09	Fine	Middle	4	23.50	23.50	23.50	8.17	8.17	8.17	32.02	32.02	32.00	59.0	58.9	58.7	4.17	4.16	4.15	8.79	8.79	8.79	8	7.50
	14:11		Middle	4	23.50	23.50		8.17	8.17	8.17	31.97	31.97		58.5	58.2		4.14	4.11		8.79	8.78		7	
20/04/2018	14:30	Cloudy	Middle	4	23.30	23.30	23.30	8.19	8.19	8.19	32.56	32.56	32.56	81.6	81.8	81.5	5.77	5.78	5.76	7.37	7.32	7.31	6	7.00
	14:32		Middle	4	23.30	23.30		8.19	8.19	8.19	32.56	32.56		81.6	81.1		5.76	5.73		7.28	7.26		8	
23/04/2018	17:37	Cloudy	Middle	3	25.90	25.90	25.90	7.86	7.86	7.86	30.30	30.30	30.30	72.0	71.3	71.5	4.94	4.90	4.90	18.23	19.06	18.54	8	7.50
	17:38		Middle	3	25.90	25.90		7.85	7.85	7.85	30.30	30.30		70.8	71.8		4.84	4.92		18.46	18.42		7	
25/04/2018	20:53	Cloudy	Middle	3	24.40	24.40	24.40	7.80	7.79	7.78	32.68	32.68	32.68	69.1	68.5	70.0	4.80	4.75	4.86	5.94	5.39	5.58	2	2.00
	20:54		Middle	3	24.40	24.40		7.77	7.77	7.77	32.68	32.68		71.4	71.0		4.96	4.93		5.50	5.47		<2	
27/04/2018	17:25	Cloudy	Middle	4	24.60	24.60	24.65	8.14	8.14	8.14	29.17	29.17	29.18	72.1	72.0	71.9	5.08	5.07	5.06	10.30	10.28	10.28	5	4.50
	17:27		Middle	4	24.70	24.70		8.13	8.13	8.13	29.18	29.18		71.6	71.9		5.03	5.05		10.26	10.26		4	
30/04/2018	14:40	Cloudy	Middle	4	25.50	25.50	25.55	8.12	8.12	8.13	31.78	31.78	31.78	81.2	80.8	81.1	5.53	5.50	5.52	8.19	8.21	8.21	5	5.00
	14:42		Middle	4	25.60	25.60		8.13	8.13	8.13	31.77	31.77		81.0	81.3		5.52	5.54		8.21	8.21		5	

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

