



**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					
01/08/2018	09:05	Cloudy	Middle	4.0	29.00	29.00	29.05	8.08	8.08	8.08	29.11	29.11	29.12	92.5	92.8	92.6	6.05	6.07	6.06	4.28	4.22	4.29	10	10.50
	09:07		Middle	4.0	29.10	29.10		8.08	8.08		29.12	29.12		92.4	92.5		6.05	6.05		4.32	4.32		11	
03/08/2018	10:05	Fine	Middle	4.0	29.30	29.30	29.35	8.10	8.10	8.11	28.40	28.40	28.46	89.0	88.7	89.6	5.81	5.79	5.85	4.22	4.21	4.20	4	4.00
	10:07		Middle	4.0	29.40	29.40		8.12	8.12		28.51	28.51		90.1	90.4		5.88	5.90		4.19	4.19		4	
07/08/2018	13:40	Fine	Middle	4.0	29.90	29.90	29.95	8.35	8.35	8.36	27.99	27.99	27.98	101.1	101.2	100.2	6.56	6.57	6.50	3.34	3.32	3.32	6	5.50
	13:42		Middle	4.0	30.00	30.00		8.36	8.36		27.97	27.97		99.1	99.3		6.43	6.44		3.32	3.31		5	
09/08/2018	16:15	Fine	Middle	3.5	29.20	29.20	29.25	8.34	8.34	8.35	28.83	28.83	28.83	96.3	96.4	96.8	6.30	6.30	6.33	4.81	4.79	4.81	7	7.50
	16:17		Middle	3.5	29.30	29.30		8.35	8.35		28.82	28.82		97.0	97.3		6.35	6.36		4.82	4.83		8	
11/08/2018	19:39	Cloudy	Middle	3.0	27.20	27.20	27.20	7.98	7.98	7.98	29.76	29.76	29.76	78.2	78.1	77.5	5.25	5.24	5.21	2.76	2.60	2.39	6	5.50
	19:40		Middle	3.0	27.20	27.20		7.98	7.98		29.76	29.76		77.0	76.5		5.18	5.15		2.07	2.11		5	
13/08/2018	07:45	Cloudy	Middle	3.5	27.50	27.50	27.50	7.82	7.82	7.82	29.48	29.48	29.48	81.5	80.0	80.6	5.28	5.18	5.22	4.48	4.59	4.50	6	6.50
	07:46		Middle	3.5	27.50	27.50		7.82	7.82		29.48	29.48		80.0	80.9		5.18	5.24		4.53	4.38		7	
15/08/2018	09:15	Cloudy	Middle	4.0	27.70	27.70	27.70	8.03	8.03	8.03	29.91	29.91	29.94	84.6	84.2	83.7	5.63	5.60	5.57	27.17	27.10	27.12	50	<u>49.50</u>
	09:17		Middle	4.0	27.70	27.70		8.03	8.03		29.96	29.96		82.7	83.1		5.51	5.53		27.10	27.12		49	
17/08/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21/08/2018	14:40	Cloudy	Middle	4.0	28.50	28.50	28.50	8.06	8.06	8.06	28.79	28.79	28.79	87.6	87.9	87.7	5.79	5.81	5.80	4.93	4.93	4.93	6	6.00
	14:42		Middle	4.0	28.50	28.50		8.06	8.06		28.79	28.79		87.6	87.7		5.79	5.80		4.93	4.92		6	
23/08/2018	16:50	Fine	Middle	4.0	28.40	28.40	28.35	8.03	8.03	8.03	30.44	30.44	30.47	83.3	82.9	83.3	5.80	5.38	5.53	5.72	5.73	5.69	7	7.00
	16:52		Middle	4.0	28.30	28.30		8.02	8.02		30.49	30.49		83.3	83.5		5.46	5.48		5.64	5.65		7	
25/08/2018	19:47	Cloudy	Middle	3.5	28.10	28.10	28.10	7.93	7.93	7.93	31.15	31.15	31.15	78.2	78.7	78.6	5.14	5.17	5.17	4.29	4.20	4.52	6	6.00
	19:48		Middle	3.5	28.10	28.10		7.93	7.93		31.15	31.15		79.3	78.2		5.22	5.14		4.89	4.71		6	
27/08/2018	21:00	Cloudy	Middle	3.5	26.00	26.00	26.00	8.04	8.04	8.04	31.27	31.27	31.27	76.6	78.7	77.6	5.21	5.35	5.28	3.37	3.32	3.30	6	6.00
	21:01		Middle	3.5	26.00	26.00		8.04	8.04		31.27	31.27		77.4	77.6		5.26	5.28		3.21	3.28		6	
29/08/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31/08/2018	15:15	Cloudy	Middle	4.0	27.20	27.20	27.20	7.97	7.97	7.95	28.66	28.60	28.65	83.3	83.4	83.3	5.63	5.64	5.63	6.46	6.46	6.45	9	8.50
	15:17		Middle	4.0	27.20	27.20		7.93	7.93		28.66	28.66		83.2	83.1		5.62	5.62		6.46	6.43		8	

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					
01/08/2018	09:00	Cloudy	Middle	4.0	29.50	29.50	29.50	8.04	8.04	8.05	29.10	29.10	29.11	88.8	88.8	88.9	5.77	5.71	5.76	3.94	3.99	3.96	16	17.00
	09:02		Middle	4.0	29.50	29.50	29.50	8.05	8.05	8.05	29.11	29.11	29.11	88.9	88.9	88.9	5.77	5.80	5.76	3.95	3.95	3.96	18	
03/08/2018	10:00	Fine	Middle	3.5	29.30	29.30	29.40	8.04	8.04	8.06	29.33	29.33	29.33	90.3	90.1	89.6	5.86	5.85	5.82	7.98	7.98	8.00	11	12.00
	10:02		Middle	3.5	29.50	29.50	29.40	8.07	8.07	8.06	29.32	29.32	29.33	89.3	88.7	89.6	5.80	5.75	5.82	7.99	8.05	8.00	13	
07/08/2018	13:35	Fine	Middle	3.5	30.30	30.30	30.40	8.25	8.25	8.29	27.95	27.95	27.95	102.5	102.9	102.5	6.60	6.63	6.60	3.83	3.80	3.83	12	11.00
	13:37		Middle	3.5	30.50	30.50	30.40	8.32	8.32	8.29	27.95	27.95	27.95	102.2	102.2	102.5	6.58	6.58	6.60	3.87	3.81	3.83	10	
09/08/2018	16:10	Fine	Middle	3.5	29.50	29.50	29.60	8.25	8.25	8.25	28.68	28.68	28.68	101.0	100.8	100.6	6.57	6.55	6.54	5.09	5.13	5.13	6	6.50
	16:12		Middle	3.5	29.70	29.70	29.60	8.25	8.25	8.25	28.67	28.67	28.68	100.6	100.0	100.6	6.54	6.49	6.54	5.12	5.16	5.13	7	
11/08/2018	19:51	Cloudy	Middle	3.0	27.20	27.20	27.20	7.87	7.87	7.87	26.67	26.67	26.67	72.8	72.0	72.0	4.97	4.92	4.92	1.63	1.44	1.45	7	7.00
	19:52		Middle	3.0	27.20	27.20	27.20	7.87	7.87	7.87	26.67	26.67	26.67	72.1	71.2	72.0	4.93	4.87	4.92	1.39	1.32	1.45	7	
13/08/2018	07:54	Cloudy	Middle	3.0	27.00	27.00	27.00	7.73	7.73	7.73	27.73	27.73	27.73	69.9	68.7	68.8	4.54	4.46	4.47	2.71	2.55	2.48	6	6.00
	07:55		Middle	3.0	27.00	27.00	27.00	7.73	7.73	7.73	27.73	27.73	27.73	68.6	68.0	68.8	4.45	4.42	4.47	2.10	2.55	2.48	6	
15/08/2018	09:20	Cloudy	Middle	4.0	27.80	27.80	27.80	8.00	8.00	8.01	29.74	29.74	29.86	84.3	83.9	83.6	5.60	5.58	5.55	10.04	10.03	10.02	13	13.00
	09:22		Middle	4.0	27.80	27.80	27.80	8.02	8.02	8.01	29.98	29.98	29.86	83.0	83.1	83.6	5.51	5.52	5.55	10.00	10.00	10.02	13	
17/08/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21/08/2018	14:35	Cloudy	Middle	3.5	28.70	28.70	28.70	8.04	8.04	8.05	28.29	28.29	28.29	84.3	84.1	83.9	5.57	5.56	5.54	5.84	5.82	5.88	7	7.00
	14:37		Middle	3.5	28.70	28.70	28.70	8.05	8.05	8.05	28.29	28.29	28.29	83.6	83.4	83.9	5.52	5.51	5.54	5.90	5.97	5.88	7	
23/08/2018	16:45	Fine	Middle	3.5	28.90	28.90	28.95	8.01	8.01	8.02	30.16	30.16	30.16	87.3	87.9	87.4	5.69	5.72	5.69	5.14	5.11	5.13	6	6.00
	16:47		Middle	3.5	29.00	29.00	28.95	8.03	8.03	8.02	30.16	30.16	30.16	87.4	87.1	87.4	5.69	5.67	5.69	5.12	5.14	5.13	6	
25/08/2018	19:53	Cloudy	Middle	3.0	28.30	28.30	28.30	7.86	7.86	7.74	26.32	26.32	26.32	14.1	14.8	15.0	0.95	0.99	1.01	2.46	2.68	2.52	7	7.50
	19:54		Middle	3.0	28.30	28.30	28.30	7.86	7.39	7.74	26.32	26.32	26.32	15.5	15.7	15.0	1.04	1.06	1.01	2.44	2.50	2.52	8	
27/08/2018	21:11	Cloudy	Middle	3.0	25.80	25.80	25.80	8.10	8.10	8.10	23.31	23.31	23.31	64.7	64.8	64.0	4.61	4.62	4.57	7.63	7.28	7.45	11	12.00
	21:12		Middle	3.0	25.80	25.80	25.80	8.10	8.10	8.10	23.31	23.31	23.31	63.9	62.7	64.0	4.55	4.48	4.57	7.69	7.19	7.45	13	
29/08/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31/08/2018	15:10	Cloudy	Middle	3.5	27.50	27.50	27.50	7.96	7.96	7.96	28.61	28.61	28.62	86.1	86.3	85.8	5.80	5.81	5.78	6.66	6.67	6.61	8	8.00
	15:12		Middle	3.5	27.50	27.50	27.50	7.96	7.96	7.96	28.62	28.62	28.62	85.5	85.4	85.8	5.75	5.74	5.78	6.57	6.55	6.61	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				
01/08/2018	13:55	Fine	Middle	4.0	30.70	30.70	30.70	8.14	8.14	8.15	28.40	28.40	28.42	91.5	92.9	92.4	5.88	5.97	5.93	5.14	5.16	5.16	8	8.00
	13:57		Middle	4.0	30.70	30.70		8.16	8.16		28.44	28.44		92.5	92.6		5.94	5.94		5.17	5.17		8	
03/08/2018	14:50	Fine	Middle	4.0	29.20	29.20	29.25	8.17	8.17	8.18	28.55	28.55	28.55	92.5	93.6	92.9	6.05	6.12	6.08	4.05	4.00	4.02	5	6.00
	14:52		Middle	4.0	29.30	29.30		8.18	8.18		28.55	28.55		93.0	92.6		6.09	6.06		3.99	4.05		7	
07/08/2018	09:35	Fine	Middle	3.5	29.60	29.60	29.60	8.12	8.12	8.13	28.58	28.58	28.58	87.1	87.4	87.3	5.66	5.69	5.67	3.56	3.62	3.62	5	6.00
	09:37		Middle	3.5	29.60	29.60		8.14	8.14		28.57	28.57		87.5	87.0		5.69	5.65		3.64	3.64		7	
09/08/2018	12:10	Fine	Middle	3.5	29.40	29.40	29.45	8.28	8.28	8.29	29.20	29.20	29.20	91.2	92.8	92.6	5.92	6.06	6.02	5.91	5.93	5.94	7	8.00
	12:12		Middle	3.5	29.50	29.50		8.29	8.29		29.19	29.19		93.2	93.2		6.05	6.05		5.94	5.97		9	
11/08/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/08/2018	13:05	Fine	Middle	4.0	28.30	28.30	28.35	7.91	7.91	7.92	29.92	29.92	29.92	85.2	85.5	85.2	5.61	5.63	5.61	5.80	5.81	5.81	5	5.50
	13:07		Middle	4.0	28.40	28.40		7.93	7.93		29.91	29.91		85.1	85.0		5.60	5.59		5.81	5.81		6	
15/08/2018	15:00	Fine	Middle	4.0	28.60	28.60	28.60	8.03	8.03	8.03	29.87	29.87	29.87	84.3	84.1	83.9	5.53	5.52	5.50	7.13	7.13	7.12	12	11.50
	15:02		Middle	4.0	28.60	28.60		8.03	8.03		29.87	29.87		83.4	83.6		5.47	5.48		7.12	7.10		11	
17/08/2018	17:35	Cloudy	Middle	3.5	28.10	28.10	28.10	7.99	7.99	8.00	29.58	29.58	29.59	81.5	81.5	81.3	5.40	5.40	5.39	6.59	6.58	6.59	8	7.50
	17:37		Middle	3.5	28.10	28.10		8.00	8.00		29.59	29.59		81.1	81.0		5.37	5.37		6.58	6.59		7	
21/08/2018	09:35	Fine	Middle	4.0	28.80	28.80	28.80	8.00	8.00	8.00	28.46	28.46	28.46	84.8	85.0	84.9	5.59	5.60	5.61	3.41	3.41	3.42	4	4.00
	09:37		Middle	4.0	28.80	28.80		8.00	8.00		28.45	28.45		84.6	85.0		5.58	5.66		3.43	3.43		4	
23/08/2018	12:50	Cloudy	Middle	3.5	28.00	28.00	28.00	8.00	8.00	8.00	30.10	30.10	30.10	88.0	87.0	86.9	5.82	5.80	5.75	5.50	5.60	5.54	6	6.50
	12:52		Middle	3.5	28.00	28.00		8.00	8.00		30.09	30.09		86.1	86.4		5.68	5.71		5.52	5.53		7	
25/08/2018	10:55	Fine	Middle	4.0	28.10	28.10	28.20	7.97	7.97	7.98	31.55	31.55	31.55	84.2	84.3	84.2	5.51	5.51	5.50	6.15	6.08	6.10	6	6.50
	10:57		Middle	4.0	28.30	28.30		7.99	7.99		31.54	31.54		83.9	84.2		5.48	5.50		6.07	6.11		7	
27/08/2018	11:30	Cloudy	Middle	4.0	26.60	26.60	26.60	7.92	7.92	7.93	31.31	31.31	31.31	85.3	85.8	85.3	5.74	5.77	5.74	6.93	6.80	6.88	6	6.00
	11:32		Middle	4.0	26.60	26.60		7.93	7.93		31.30	31.30		85.0	85.2		5.71	5.73		6.90	6.90		6	
29/08/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
31/08/2018	11:10	Cloudy	Middle	3.5	26.00	26.00	26.35	7.96	7.96	7.97	29.62	29.62	29.62	81.2	82.0	82.0	5.51	5.56	5.56	8.51	8.56	8.59	10	10.00
	11:12		Middle	3.5	26.70	26.70		7.97	7.97		29.62	29.62		82.4	82.4		5.59	5.58		8.63	8.66		10	

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



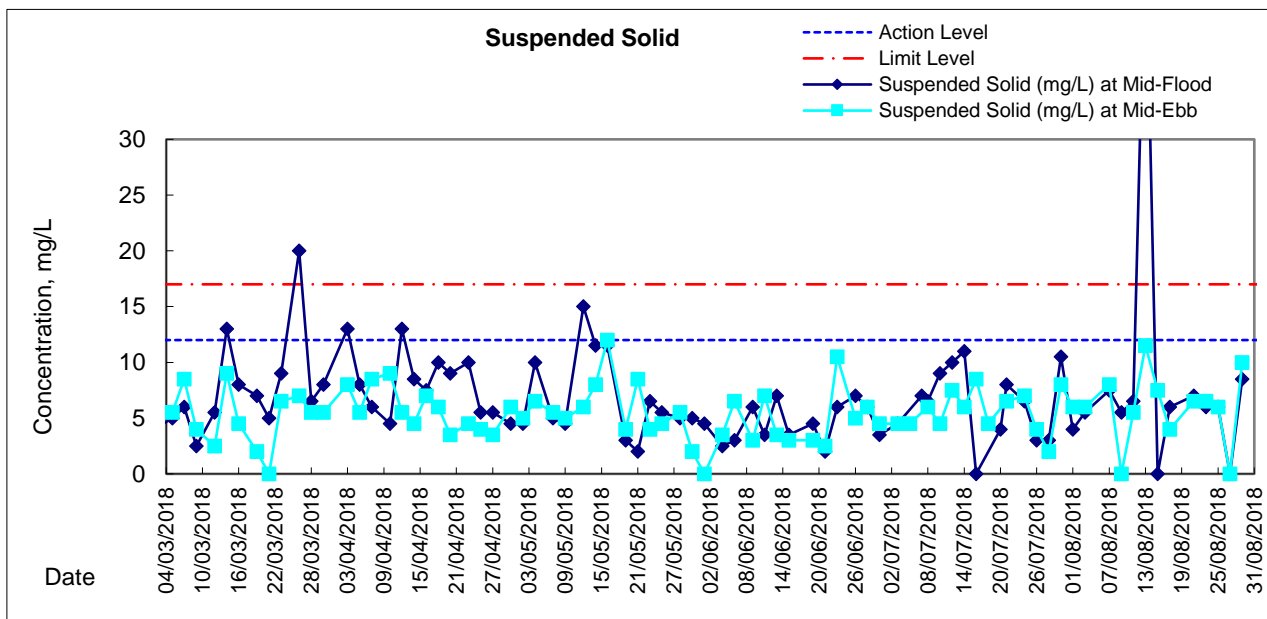
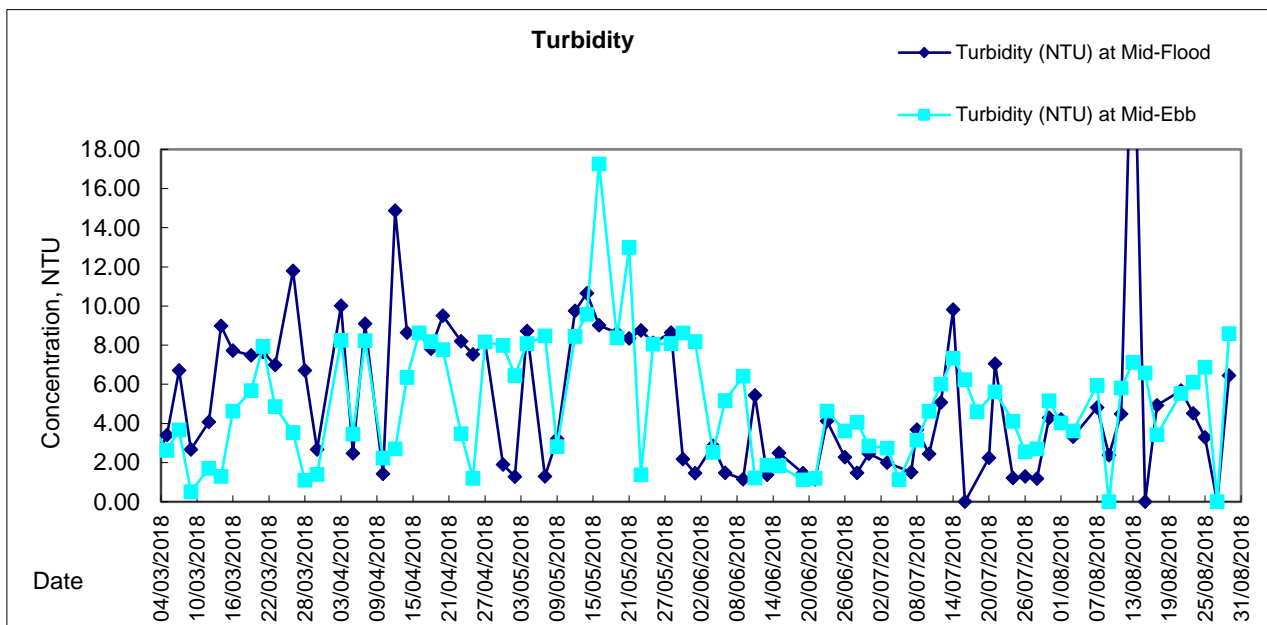
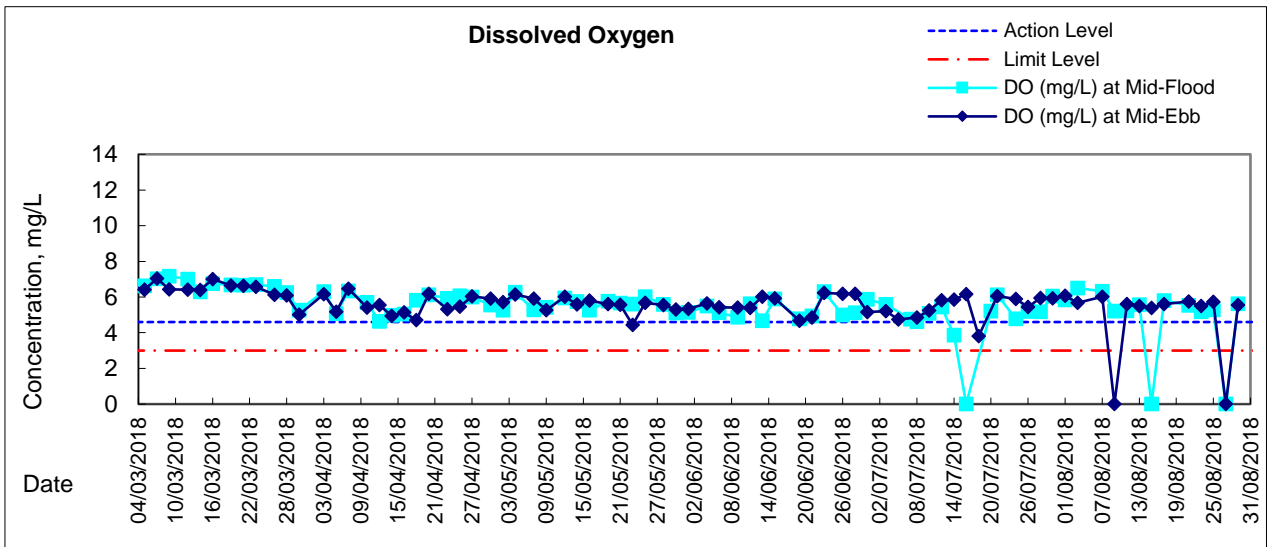
**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

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				
01/08/2018	13:50	Fine	Middle	4	30.50	30.50	30.60	8.11	8.11	8.15	28.41	28.41	28.41	97.1	97.2	96.5	6.22	6.22	6.18	4.55	4.58	4.57	12	11.50
	13:52		Middle	4	30.70	30.70		8.19	8.19		28.41	28.41		96.0	95.8		6.14	6.13		4.58	4.56		11	
03/08/2018	14:45	Fine	Middle	4	29.70	29.70	29.80	8.12	8.12	8.13	28.62	28.62	28.62	98.2	97.3	96.8	6.36	6.30	6.27	4.08	4.12	4.12	7	6.50
	14:47		Middle	4	29.90	29.90		8.14	8.14		28.62	28.62		95.9	95.8		6.20	6.20		4.12	4.16		6	
07/08/2018	09:30	Fine	Middle	4	29.60	29.60	29.70	8.08	8.08	8.10	28.78	28.78	28.78	91.5	91.7	91.0	5.93	5.94	5.89	3.36	3.33	3.33	5	5.00
	09:32		Middle	4	29.80	29.80		8.11	8.11		28.78	28.78		90.8	89.9		5.88	5.82		3.31	3.31		5	
09/08/2018	12:05	Fine	Middle	4	30.00	30.00	30.05	8.25	8.25	8.25	29.21	29.21	29.21	94.4	95.4	94.6	6.07	6.11	6.08	3.89	3.86	3.86	6	7.00
	12:07		Middle	4	30.10	30.10		8.25	8.25		29.21	29.21		94.5	94.0		6.08	6.04		3.84	3.85		8	
11/08/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13/08/2018	13:10	Fine	Middle	4	28.90	28.90	28.90	7.86	7.86	7.87	29.93	29.93	29.94	77.9	78.9	78.7	5.08	5.13	5.12	6.08	6.04	6.05	6	6.00
	13:12		Middle	4	28.90	28.90		7.88	7.88		29.94	29.94		79.2	78.7		5.15	5.11		6.03	6.05		6	
15/08/2018	14:55	Fine	Middle	4	29.00	29.00	29.05	8.02	8.02	8.02	29.93	29.93	29.93	80.7	81.0	80.7	5.25	5.27	5.25	7.29	7.30	7.28	8	8.00
	14:57		Middle	4	29.10	29.10		8.02	8.02		29.92	29.92		80.6	80.3		5.24	5.22		7.26	7.26		8	
17/08/2018	17:30	Cloudy	Middle	4	29.30	29.30	28.85	7.98	7.98	7.98	29.50	29.50	29.50	82.1	82.1	81.8	5.42	5.42	5.40	6.28	6.28	6.28	7	7.00
	17:35		Middle	4	28.40	28.40		7.98	7.98		29.50	29.50		81.5	81.3		5.38	5.36		6.27	6.27		7	
21/08/2018	09:30	Fine	Middle	4	28.80	28.80	28.80	7.99	7.99	7.99	28.72	28.72	28.72	82.2	82.5	82.5	5.41	5.44	5.43	5.26	5.27	5.27	4	4.00
	09:32		Middle	4	28.80	28.80		7.99	7.99		28.72	28.72		82.8	82.5		5.44	5.43		5.27	5.27		4	
23/08/2018	12:45	Cloudy	Middle	4	28.00	28.00	28.05	7.99	7.99	7.97	29.49	29.49	29.60	88.4	88.5	87.7	5.86	5.87	5.81	5.16	5.17	5.16	7	7.00
	12:47		Middle	4	28.10	28.10		7.95	7.95		29.70	29.70		87.2	86.7		5.77	5.74		5.16	5.16		7	
25/08/2018	10:50	Fine	Middle	4	28.70	28.70	28.90	7.92	7.92	7.93	31.57	31.57	31.56	86.8	86.9	86.4	5.61	5.62	5.59	5.65	5.65	5.62	7	7.00
	10:52		Middle	4	29.10	29.10		7.93	7.93		31.55	31.55		85.9	86.1		5.59	5.55		5.60	5.56		7	
27/08/2018	11:25	Cloudy	Middle	4	26.90	26.90	26.95	7.88	7.88	7.89	31.43	31.43	31.43	86.0	85.5	85.2	5.67	5.72	5.67	6.96	6.98	6.96	7	7.00
	11:27		Middle	4	27.00	27.00		7.89	7.89		31.43	31.43		84.7	84.5		5.66	5.64		6.98	6.92		7	
29/08/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
31/08/2018	11:05	Cloudy	Middle	4	27.00	27.00	27.05	7.95	7.95	7.95	28.30	28.30	28.30	79.2	76.4	77.4	5.17	5.19	5.21	9.14	9.14	9.14	8	8.00
	11:07		Middle	4	27.10	27.10		7.95	7.95		28.29	28.29		77.0	77.0		5.23	5.23		9.14	9.13		8	

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

