



**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	Value	Average	Value	Average	
1/8/15	20:27	Fine	Middle	3.0	25.94	25.94	25.94	7.57	7.57	7.57	20.07	20.07	20.03	85.5	85.3	84.8	6.31	6.30	6.26	3.91	3.81	3.95	4	3.00
	20:28		Middle	3.0	25.94	25.94		7.57	7.57		20.01	19.98		84.1	84.3		6.21	6.23		4.12	3.96		2	
3/8/15	21:20	Fine	Middle	3.5	26.27	26.27	26.28	7.61	7.61	7.61	29.37	29.37	29.37	87.1	87.2	87.0	5.96	5.97	5.96	4.77	4.63	4.61	4	4.00
	21:21		Middle	3.5	26.28	26.28		7.61	7.61		29.37	29.36		87.0	86.8		5.95	5.94		4.50	4.53		4	
5/8/15	9:06	Fine	Middle	3.5	26.70	26.70	26.75	8.12	8.12	8.16	30.17	30.17	30.18	81.1	80.6	81.2	5.50	5.47	5.50	3.73	3.74	3.76	5	5.00
	9:08		Middle	3.5	26.80	26.80		8.20	8.20		30.18	30.18		80.7	82.2		5.47	5.57		3.77	3.78		5	
7/8/15	10:30	Fine	Middle	3.5	27.80	27.80	27.85	8.34	8.34	8.36	29.55	29.55	29.54	83.3	84.7	83.9	5.55	5.64	5.51	3.14	3.16	3.19	5	5.00
	10:32		Middle	3.5	27.90	27.90		8.37	8.37		29.53	29.53		85.3	82.4		5.68	5.18		3.20	3.24		5	
10/8/15	15:10	Cloudy	Middle	3.5	26.30	26.30	26.45	8.39	8.39	8.40	31.15	31.15	31.15	89.2	87.3	88.5	6.04	5.90	5.98	4.60	4.68	4.73	8	7.50
	15:12		Middle	3.5	26.60	26.60		8.40	8.40		31.14	31.14		88.6	88.7		5.99	6.00		4.81	4.82		7	
12/8/15	16:34	Fine	Middle	3.5	28.10	28.10	28.20	8.23	8.23	8.27	30.33	30.33	30.36	86.0	85.2	84.9	5.66	5.61	5.59	3.79	3.78	3.78	8	8.00
	16:36		Middle	3.5	28.30	28.30		8.30	8.30		30.39	30.39		84.8	83.5		5.58	5.49		3.77	3.77		8	
14/8/15	20:38	Cloudy	Middle	3.5	25.40	25.40	25.45	8.25	8.25	8.26	30.47	30.47	30.47	72.2	73.8	72.4	4.98	5.09	4.99	4.42	4.22	4.23	5	6.00
	20:39		Middle	3.5	25.50	25.50		8.26	8.26		30.47	30.47		71.7	71.7		4.94	4.94		4.15	4.12		7	
17/8/15	8:10	Fine	Middle	4.0	26.40	26.40	26.50	8.20	8.20	8.20	31.16	31.16	31.17	83.2	83.6	83.3	5.59	5.62	5.60	5.33	5.10	5.16	5	5.00
	8:12		Middle	4.0	26.60	26.60		8.20	8.20		31.17	31.17		83.3	82.9		5.60	5.57		5.09	5.12		5	
19/8/15	8:32	Fine	Middle	3.5	27.60	27.60	27.65	8.16	8.16	8.16	30.27	30.27	30.28	68.4	68.6	68.7	4.64	4.65	4.66	2.90	2.89	2.90	8	8.00
	8:34		Middle	3.5	27.70	27.70		8.16	8.16		30.28	30.28		68.7	68.9		4.65	4.68		2.88	2.91		8	
21/8/15	8:16	Fine	Middle	3.5	26.50	26.50	26.55	8.16	8.16	8.17	31.04	31.04	31.04	75.9	74.9	74.3	5.13	5.06	5.01	3.00	3.00	3.02	<2	<2
	8:18		Middle	3.5	26.60	26.60		8.18	8.18		31.03	31.03		73.3	73.1		4.94	4.91		3.04	3.03		<2	
25/8/15	15:28	Fine	Middle	3.5	26.70	26.70	26.75	8.30	8.30	8.31	31.59	31.59	31.58	75.0	74.0	73.7	5.03	4.96	4.96	5.75	5.77	5.66	8	8.50
	15:30		Middle	3.5	26.80	26.80		8.31	8.31		31.57	31.57		73.2	72.4		4.97	4.86		5.65	5.47		9	
27/8/15	15:49	Fine	Middle	3.5	26.60	26.60	26.75	8.27	8.27	8.28	32.42	32.42	32.39	80.7	80.4	79.2	5.39	5.37	5.28	6.02	6.01	6.03	7	7.50
	15:51		Middle	3.5	26.90	26.90		8.28	8.28		32.36	32.36		77.9	77.8		5.19	5.18		6.08	6.02		8	
29/8/15	16:40	Fine	Middle	3.5	26.30	26.30	26.35	8.26	8.26	8.27	31.95	31.95	31.94	70.6	71.4	72.1	4.76	4.81	4.85	8.04	8.04	8.02	7	8.00
	16:42		Middle	3.5	26.40	26.40		8.27	8.27		31.92	31.92		72.3	73.9		4.87	4.97		8.05	7.94		9	
31/8/15	21:00	Cloudy	Middle	3.5	25.80	25.80	25.85	8.15	8.15	8.16	32.28	32.28	32.28	65.1	65.3	65.0	4.41	4.42	4.40	7.47	7.36	7.24	6	6.00
	21:01		Middle	3.5	25.90	25.90		8.16	8.16		32.27	32.27		64.2	65.2		4.34	4.41		7.08	7.03		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-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	Value	Average			
1/8/15	20:35	Fine	Middle	2.5	25.62	25.62	25.62	7.21	7.21	7.22	27.03	27.03	27.04	69.8	70.6	70.7	5.00	5.04	5.05	3.99	3.65	3.73	6	6.50
	20:36		Middle	2.5	25.62	25.62		7.22	7.22		27.04	27.04		71.3	71.0		5.09	5.07		3.67	3.61		7	
3/8/15	21:30	Fine	Middle	3.0	26.16	26.16	26.16	7.62	7.62	7.62	29.08	29.08	29.08	89.1	88.9	88.5	6.12	6.10	6.08	4.32	4.40	4.34	4	4.00
	21:31		Middle	3.0	26.16	26.16		7.62	7.62		29.07	29.07		88.3	87.8		6.06	6.03		4.34	4.28		4	
5/8/15	9:02	Fine	Middle	3.5	26.90	26.90	27.05	8.20	8.20	8.18	25.94	25.94	25.94	69.4	69.0	67.3	4.78	4.75	4.63	5.67	5.39	5.38	6	5.50
	9:04		Middle	3.5	27.20	27.20		8.15	8.15		25.93	25.93		66.2	64.4		4.55	4.43		5.22	5.22		5	
7/8/15	10:26	Fine	Middle	3.5	28.00	28.00	28.10	8.33	8.33	8.33	29.09	29.09	29.09	77.2	75.5	75.9	5.13	5.01	5.04	4.22	4.15	4.22	5	4.50
	10:28		Middle	3.5	28.20	28.20		8.33	8.33		29.09	29.09		74.9	75.8		4.97	5.03		4.28	4.24		4	
10/8/15	15:06	Cloudy	Middle	3.5	26.50	26.50	26.60	8.35	8.35	8.37	31.23	31.23	31.23	89.7	88.7	88.2	6.04	5.97	5.94	6.05	6.02	6.04	11	10.00
	15:08		Middle	3.5	26.70	26.70		8.38	8.38		31.23	31.23		87.9	86.5		5.92	5.82		6.08	6.00		9	
12/8/15	16:30	Fine	Middle	3.5	28.50	28.50	28.65	8.23	8.23	8.22	26.26	26.26	26.26	61.3	61.7	61.1	4.11	4.13	4.09	9.12	9.04	9.03	11	11.50
	16:32		Middle	3.5	28.80	28.80		8.21	8.21		26.25	26.25		61.0	60.5		4.07	4.05		8.99	8.98		12	
14/8/15	20:45	Cloudy	Middle	4.0	25.60	25.60	25.60	8.26	8.26	8.26	29.46	29.46	29.46	66.6	66.9	65.7	4.61	4.63	4.54	5.24	5.22	5.06	4	3.50
	20:46		Middle	4.0	25.60	25.60		8.25	8.25		29.46	29.46		65.8	63.4		4.55	4.38		4.90	4.86		3	
17/8/15	8:05	Fine	Middle	3.5	26.50	26.50	26.65	8.17	8.17	8.16	30.11	30.11	30.35	78.6	79.4	78.2	5.31	5.36	5.30	4.53	4.54	4.54	4	3.50
	8:07		Middle	3.5	26.80	26.80		8.15	8.15		30.59	30.59		78.1	76.6		5.37	5.16		4.55	4.55		3	
19/8/15	8:28	Fine	Middle	3.5	26.10	26.10	26.15	8.15	8.15	8.16	31.25	31.25	31.25	62.9	61.1	61.3	4.27	4.14	4.16	4.35	4.38	4.44	7	7.00
	8:30		Middle	3.5	26.20	26.20		8.17	8.17		31.25	31.25		60.5	60.7		4.11	4.12		4.48	4.53		7	
21/8/15	8:12	Fine	Middle	3.5	26.80	26.80	26.90	8.18	8.18	8.17	28.68	28.68	28.68	74.3	74.7	73.6	5.05	5.07	4.99	5.83	5.82	5.82	4	3.00
	8:14		Middle	3.5	27.00	27.00		8.16	8.16		28.67	28.67		74.0	71.3		4.98	4.84		5.83	5.78		2	
25/8/15	15:24	Fine	Middle	3.5	27.20	27.20	27.20	8.25	8.25	8.27	32.26	32.26	32.26	79.0	76.3	76.4	5.25	5.06	5.07	6.45	6.33	6.41	8	8.50
	15:26		Middle	3.5	27.20	27.20		8.28	8.28		32.26	32.26		75.3	74.9		5.00	4.97		6.40	6.47		9	
27/8/15	15:45	Fine	Middle	3.5	27.20	27.20	27.40	8.22	8.22	8.23	32.03	32.03	32.01	73.9	72.8	72.1	4.88	4.81	4.76	6.01	5.94	6.01	6	5.50
	15:47		Middle	3.5	27.60	27.60		8.24	8.24		31.99	31.99		71.5	70.0		4.72	4.62		5.99	6.10		5	
29/8/15	16:36	Fine	Middle	3.5	26.60	26.60	26.65	8.24	8.24	8.25	31.76	31.76	31.74	59.2	57.7	56.8	3.97	3.87	3.81	8.23	8.15	8.21	8	7.50
	16:38		Middle	3.5	26.70	26.70		8.26	8.26		31.71	31.71		56.1	54.1		3.76	3.63		8.21	8.24		7	
31/8/15	21:10	Cloudy	Middle	3.0	25.80	25.80	25.85	8.18	8.18	8.17	29.63	29.63	29.63	54.6	55.4	55.1	3.76	3.81	3.79	9.57	9.61	9.52	10	10.00
	21:11		Middle	3.0	25.90	25.90		8.16	8.16		29.63	29.63		55.2	55.0		3.79	3.78		9.48	9.43		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	Weater 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	Value	Average				
1/8/15	10:34	Fine	Middle	4.0	26.10	26.10	26.15	8.16	8.16	8.18	30.08	30.08	30.08	80.2	79.5	79.2	5.48	5.43	5.41	2.36	2.37	2.37	4	4.00
	10:36		Middle	4.0	26.20	26.20		8.20	8.20		30.07	30.07		79.0	78.2		5.39	5.34		2.37	2.37		4	
3/8/15	14:03	Fine	Middle	3.5	27.50	27.50	27.65	8.21	8.21	8.22	29.90	29.89	29.91	76.1	78.4	76.8	5.08	5.23	5.12	2.45	2.48	2.55	3	3.50
	14:05		Middle	3.5	27.80	27.80		8.23	8.23		29.93	29.93		75.3	77.3		5.02	5.15		2.62	2.63		4	
5/8/15	14:45	Fine	Middle	4.0	27.10	27.10	27.20	8.30	8.30	8.31	30.09	30.09	30.09	92.6	92.4	92.2	6.21	6.19	6.18	3.03	3.20	3.19	7	6.00
	14:47		Middle	4.0	27.30	27.30		8.31	8.31		30.08	30.08		91.2	92.7		6.11	6.22		3.23	3.28		5	
7/8/15	16:25	Sunny	Middle	3.5	27.80	27.80	27.95	8.43	8.43	8.45	30.15	30.15	30.14	92.1	90.7	90.5	6.10	6.01	5.99	3.87	3.93	3.89	7	7.00
	16:27		Middle	3.5	28.10	28.10		8.46	8.46		30.13	30.13		88.6	90.5		5.87	5.99		3.89	3.88		7	
10/8/15	8:53	Cloudy	Middle	3.5	26.70	26.70	26.75	8.47	8.47	8.48	30.25	30.25	30.25	93.9	95.3	94.4	6.35	6.44	6.38	4.00	3.97	3.98	6	6.50
	8:55		Middle	3.5	26.80	26.80		8.48	8.48		30.25	30.25		93.9	94.5		6.34	6.38		3.97	3.98		7	
12/8/15	10:21	Sunny	Middle	3.5	27.20	27.20	27.30	8.14	8.14	8.20	31.04	31.04	31.04	88.5	89.1	88.5	5.90	5.94	5.90	3.71	3.65	3.67	7	7.50
	10:23		Middle	3.5	27.40	27.40		8.26	8.26		31.03	31.03		88.3	88.2		5.88	5.87		3.65	3.66		8	
14/8/15	10:30	Cloudy	Middle	3.5	26.10	26.10	26.20	8.27	8.27	8.28	30.32	30.32	30.32	73.0	72.6	73.9	4.97	4.95	5.03	2.76	2.75	2.75	4	3.50
	10:32		Middle	3.5	26.30	26.30		8.28	8.28		30.31	30.31		74.6	75.3		5.08	5.13		2.75	2.74		3	
17/8/15	14:45	Fine	Middle	3.0	27.80	27.80	27.95	8.14	8.14	8.16	30.54	30.54	30.54	92.9	93.3	92.9	6.14	6.17	6.13	3.57	3.55	3.58	4	4.00
	14:47		Middle	3.0	28.10	28.10		8.18	8.18		30.54	30.54		93.0	92.2		6.14	6.08		3.59	3.61		4	
19/8/15	13:40	Sunny	Middle	3.0	27.70	27.70	27.90	8.18	8.18	8.18	31.06	31.06	31.06	89.6	90.6	90.1	5.91	5.97	5.93	3.63	3.62	3.63	11	11.00
	13:42		Middle	3.0	28.10	28.10		8.18	8.18		31.05	31.05		90.8	89.3		5.97	5.87		3.63	3.63		11	
21/8/15	15:52	Fine	Middle	3.5	26.80	26.80	26.90	8.21	8.21	8.22	31.81	31.81	31.79	79.1	78.0	77.5	5.28	5.21	5.18	3.24	3.35	3.33	3	3.00
	15:54		Middle	3.5	27.00	27.00		8.22	8.22		31.77	31.77		76.8	76.0		5.13	5.08		3.39	3.32		3	
25/8/15	8:38	Fine	Middle	3.5	26.40	26.40	26.40	8.17	8.17	8.22	32.23	32.23	32.20	87.5	86.5	85.1	5.89	5.83	5.73	4.21	4.18	4.12	5	4.00
	8:40		Middle	3.5	26.40	26.40		8.27	8.27		32.17	32.17		84.2	82.0		5.67	5.52		4.06	4.03		3	
27/8/15	8:20	Fine	Middle	3.5	26.00	26.00	26.05	8.29	8.29	8.30	33.13	33.13	33.13	91.3	91.7	91.1	6.14	6.15	6.12	6.35	6.38	6.30	5	5.00
	8:22		Middle	3.5	26.10	26.10		8.30	8.30		33.13	33.13		90.6	90.6		6.09	6.09		6.29	6.18		5	
29/8/15	10:32	Fine	Middle	3.5	26.60	26.60	26.60	8.20	8.20	8.21	31.85	31.85	32.11	76.5	75.2	75.0	5.13	5.04	5.03	4.40	4.30	4.37	3	3.50
	10:34		Middle	3.5	26.60	26.60		8.22	8.22		32.36	32.36		74.5	73.8		4.99	4.94		4.30	4.47		4	
31/8/15	11:10	Fine	Middle	3.5	26.40	26.40	26.45	8.26	8.26	8.25	32.34	32.34	32.34	76.2	77.1	76.6	5.11	5.19	5.14	6.54	6.47	6.46	6	6.50
	11:12		Middle	3.5	26.50	26.50		8.24	8.24		32.33	32.33		76.8	76.4		5.15	5.12		6.44	6.37		7	

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



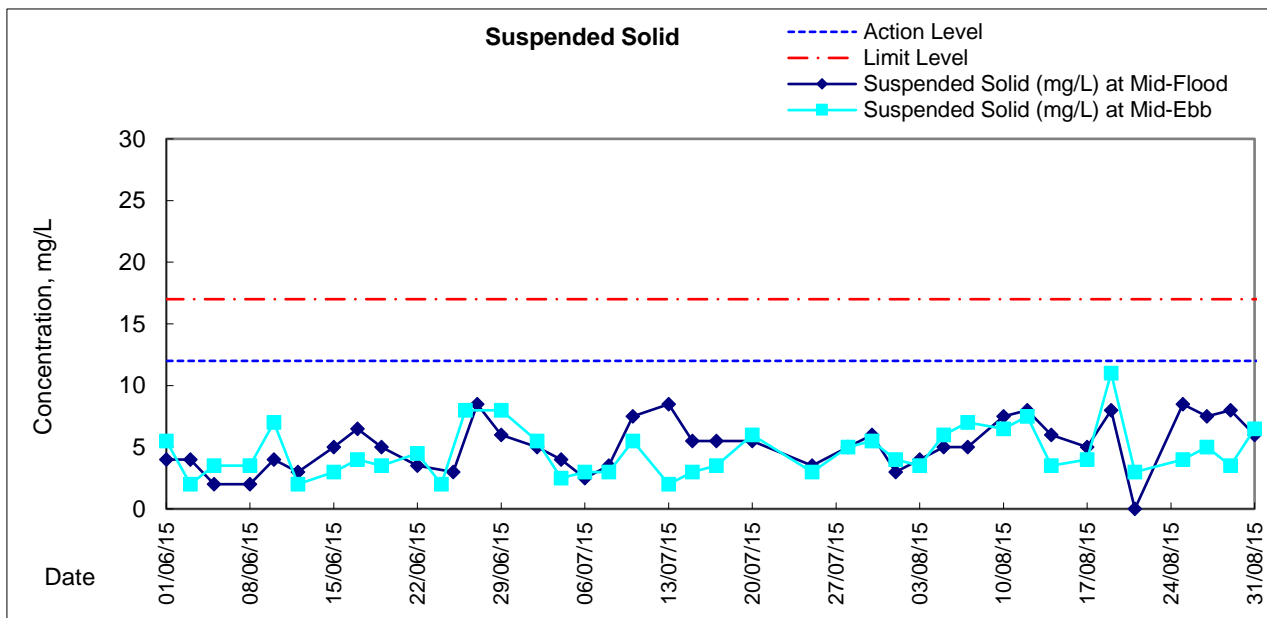
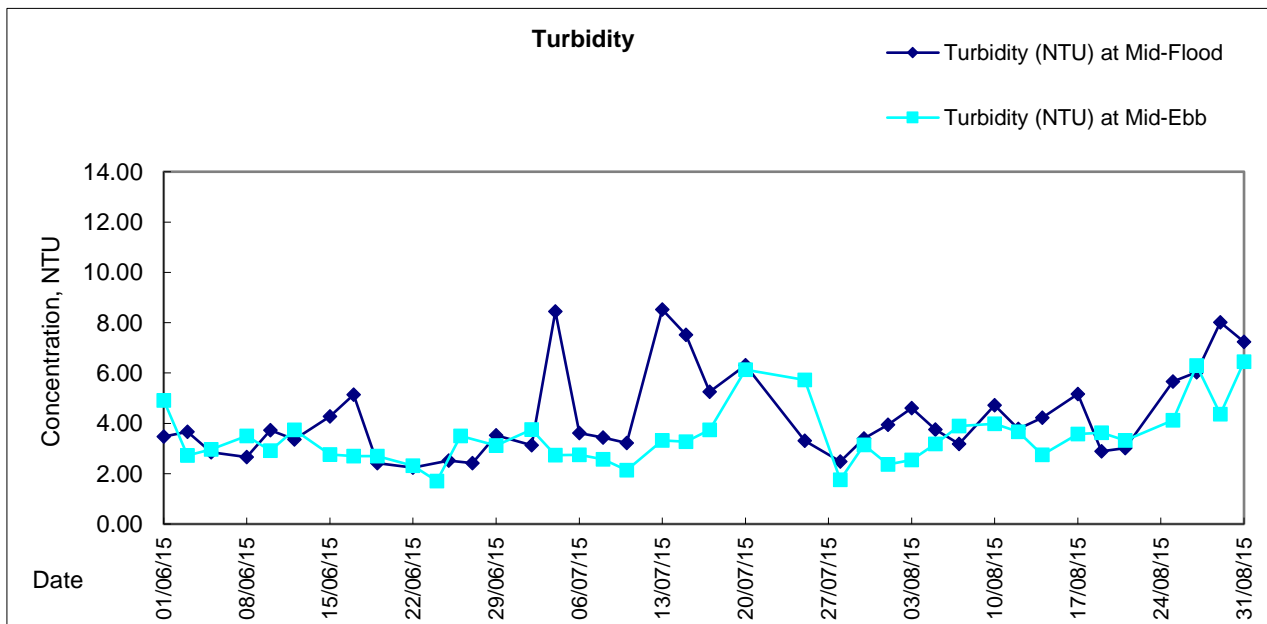
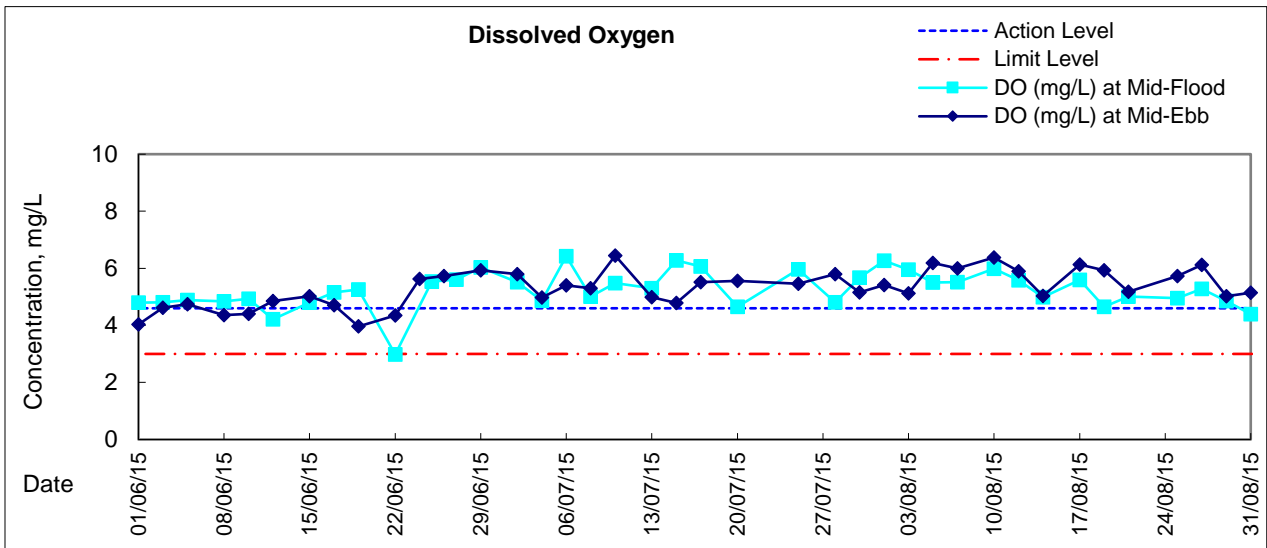
**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

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	Value	Average				
1/8/15	10:30	Fine	Middle	4	26.70	26.70	26.80	8.19	8.19	8.18	27.83	27.83	27.82	65.7	67.3	67.0	4.49	4.60	4.59	3.87	3.87	3.85	2	2.50
	10:32		Middle	4	26.90	26.90		8.16	8.16		27.81	27.81		67.7	67.1		4.63	4.63		3.83	3.82		3	
3/8/15	14:00	Fine	Middle	4	27.90	27.90	28.10	8.19	8.19	8.20	28.97	28.97	28.90	67.9	69.3	68.2	4.50	4.61	4.53	7.75	7.74	7.74	3	3.00
	14:02		Middle	4	28.30	28.30		8.21	8.21		28.83	28.83		68.7	67.0		4.56	4.45		7.74	7.74		3	
5/8/15	14:40	Fine	Middle	4	27.80	27.80	28.00	8.28	8.28	8.28	29.97	29.97	29.97	88.6	89.3	88.6	5.87	5.93	5.87	3.36	3.34	3.34	6	6.50
	14:42		Middle	4	28.20	28.20		8.28	8.28		29.97	29.97		88.7	87.8		5.88	5.80		3.31	3.36		7	
7/8/15	16:21	Sunny	Middle	4	28.80	28.80	28.90	8.39	8.39	8.39	27.25	27.25	27.24	90.2	90.0	89.3	5.97	5.97	5.92	8.01	8.12	8.09	7	7.00
	16:23		Middle	4	29.00	29.00		8.39	8.39		27.22	27.22		88.9	87.9		5.90	5.82		8.12	8.12		7	
10/8/15	8:49	Cloudy	Middle	4	26.90	26.90	27.00	8.46	8.46	8.47	29.47	29.47	29.47	89.9	92.4	90.9	6.07	6.24	6.14	4.29	4.29	4.27	6	6.00
	8:51		Middle	4	27.10	27.10		8.47	8.47		29.47	29.47		89.8	91.6		6.06	6.18		4.26	4.24		6	
12/8/15	10:17	Sunny	Middle	4	27.90	27.90	28.00	8.23	8.23	8.20	24.51	24.51	24.51	63.1	61.6	61.4	4.31	4.20	4.19	8.29	8.27	8.35	9	8.00
	10:19		Middle	4	28.10	28.10		8.16	8.16		24.51	24.51		60.9	60.0		4.16	4.09		8.35	8.49		7	
14/8/15	10:26	Cloudy	Middle	4	26.40	26.40	26.40	8.29	8.29	8.29	27.25	27.25	27.25	52.9	52.6	52.5	3.65	3.63	3.63	5.62	5.62	5.62	3	3.00
	10:28		Middle	4	26.40	26.40		8.28	8.28		27.25	27.25		52.3	52.2		3.61	3.61		5.62	5.62		3	
17/8/15	14:40	Fine	Middle	3	28.60	28.60	28.75	8.16	8.16	8.14	28.77	28.77	28.63	75.6	75.1	75.5	4.98	4.94	4.97	6.29	6.32	6.25	5	4.50
	14:42		Middle	3	28.90	28.90		8.11	8.11		28.48	28.48		76.2	75.0		5.02	4.93		6.18	6.19		4	
19/8/15	13:30	Sunny	Middle	3	27.90	27.90	27.85	8.19	8.19	8.18	30.13	30.13	30.18	76.7	77.4	76.6	5.10	5.15	5.09	3.76	3.85	3.87	6	6.00
	13:32		Middle	3	27.80	27.80		8.16	8.16		30.23	30.23		77.0	75.2		5.12	4.99		3.86	3.99		6	
21/8/15	15:48	Fine	Middle	4	27.40	27.40	27.60	8.14	8.14	8.17	31.62	31.62	31.62	76.0	74.0	74.1	5.02	4.90	4.90	3.52	3.52	3.59	4	3.50
	15:50		Middle	4	27.80	27.80		8.19	8.19		31.61	31.61		72.8	73.5		4.81	4.85		3.63	3.70		3	
25/8/15	8:34	Fine	Middle	4	26.80	26.80	26.90	8.30	8.30	8.27	27.03	27.03	27.02	70.3	70.7	70.1	4.82	4.85	4.80	8.23	8.01	7.95	10	10.00
	8:36		Middle	4	27.00	27.00		8.23	8.23		27.01	27.01		70.6	68.6		4.84	4.70		7.79	7.77		10	
27/8/15	8:15	Fine	Middle	4	26.20	26.20	26.30	8.27	8.27	8.28	32.72	32.72	32.72	76.9	77.1	76.4	5.16	5.17	5.12	4.93	4.93	4.92	4	5.00
	8:17		Middle	4	26.40	26.40		8.29	8.29		32.72	32.72		76.1	75.3		5.10	5.05		4.91	4.92		6	
29/8/15	10:28	Fine	Middle	4	26.90	26.90	26.95	8.18	8.18	8.19	32.18	32.18	32.18	66.7	66.0	66.2	4.44	4.39	4.41	5.52	5.56	5.56	3	4.00
	10:30		Middle	4	27.00	27.00		8.19	8.19		32.17	32.17		66.3	65.7		4.42	4.37		5.59	5.58		5	
31/8/15	11:14	Fine	Middle	4	26.70	26.70	26.75	8.23	8.23	8.20	26.72	26.72	26.72	51.0	51.2	51.2	3.51	3.53	3.52	9.06	9.06	9.06	5	5.50
	11:16		Middle	4	26.80	26.80		8.16	8.16		26.72	26.72		51.1	51.3		3.52	3.53		9.05	9.06		6	

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

