



**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					
2/10/14	13:37	Cloudy	Middle	3.0	28.60	28.60	28.55	8.00	8.00	8.00	31.95	31.95	31.95	74.1	72.4	73.0	4.82	4.72	4.75	4.60	4.82	4.54	10	9.50
	13:38		Middle	3.0	28.50	28.50		8.00	8.00		31.95	31.95		73.0	72.4		4.75	4.71		4.26	4.49		9	
4/10/14	13:50	Fine	Middle	3.0	28.70	28.70	28.70	8.00	8.00	8.00	31.90	31.90	31.90	77.4	78.0	77.9	5.04	5.06	5.06	5.01	5.02	4.99	5	5.00
	13:52		Middle	3.0	28.70	28.70		8.00	8.00		31.90	31.90		78.2	78.0		5.07	5.05		5.02	4.89		5	
6/10/14	17:30	Fine	Middle	3.0	28.30	28.30	28.20	8.06	8.06	8.07	32.32	32.31	32.33	75.8	77.2	77.0	4.93	5.03	5.01	5.88	5.88	5.91	8	8.00
	17:32		Middle	3.0	28.10	28.10		8.07	8.07		32.35	32.35		77.1	77.7		5.02	5.07		5.88	5.99		8	
8/10/14	16:52	Fine	Middle	3.0	28.50	28.50	28.50	8.12	8.12	8.12	32.62	32.62	32.62	83.1	83.2	83.3	5.38	5.39	5.39	7.29	7.25	7.25	8	8.50
	16:54		Middle	3.0	28.50	28.50		8.12	8.12		32.62	32.62		84.0	83.0		5.43	5.37		7.23	7.23		9	
10/10/14	20:32	Cloudy	Middle	3.5	27.50	27.50	27.55	8.09	8.09	8.09	32.66	32.66	32.66	74.3	75.5	74.9	4.80	4.88	4.85	8.50	8.37	8.57	10	11.00
	20:33		Middle	3.5	27.60	27.60		8.09	8.09		32.66	32.67		74.9	75.0		4.84	4.86		8.76	8.63		12	
13/10/14	10:10	Fine	Middle	3.5	28.20	28.20	28.15	8.07	8.07	8.08	32.65	32.65	32.65	76.9	77.6	76.2	5.01	5.06	4.92	11.31	11.26	11.24	12	<u>12.50</u>
	10:12		Middle	3.5	28.10	28.10		8.08	8.08		32.65	32.65		75.0	75.2		4.80	4.82		11.21	11.19		13	
15/10/14	15:47	Fine	Middle	3.0	28.00	28.00	28.00	8.06	8.06	8.07	32.86	32.86	32.87	76.1	74.9	75.3	4.96	4.88	4.91	6.50	6.50	6.50	5	5.50
	15:49		Middle	3.0	28.00	28.00		8.08	8.08		32.87	32.87		76.1	74.0		4.96	4.83		6.50	6.49		6	
17/10/14	14:31	Fine	Middle	3.5	28.40	28.40	28.40	8.09	8.09	8.10	32.84	32.84	32.84	73.6	72.5	72.6	4.77	4.70	4.69	6.75	6.75	6.75	4	4.50
	14:33		Middle	3.5	28.40	28.40		8.11	8.11		32.84	32.84		73.3	71.0		4.69	4.60		6.75	6.75		5	
20/10/14	17:15	Fine	Middle	3.0	27.60	27.60	27.70	8.02	8.02	8.02	32.96	32.96	32.96	87.0	87.8	87.4	5.70	5.75	5.72	8.30	8.26	8.26	6	7.00
	17:17		Middle	3.0	27.80	27.80		8.02	8.02		32.96	32.96		87.2	87.4		5.71	5.72		8.24	8.22		8	
22/10/14	16:50	Fine	Middle	3.5	28.20	28.20	28.25	8.02	8.02	8.02	32.76	32.76	32.76	84.7	84.2	84.3	5.50	5.47	5.47	7.60	7.68	7.66	6	7.00
	16:52		Middle	3.5	28.30	28.30		8.02	8.02		32.76	32.76		84.1	84.0		5.45	5.45		7.73	7.61		8	
24/10/14	16:39	Fine	Middle	3.0	26.70	26.70	26.65	8.05	8.05	8.07	32.82	32.82	32.83	74.6	74.2	73.6	4.97	4.95	4.90	12.69	12.67	12.67	12	<u>12.50</u>
	16:41		Middle	3.0	26.60	26.60		8.08	8.08		32.83	32.83		73.2	72.2		4.88	4.81		12.67	12.64		13	
27/10/14	10:34	Fine	Middle	3.5	27.30	27.30	27.30	8.07	8.07	8.07	32.71	32.71	32.71	78.2	79.5	78.9	5.16	5.24	5.20	13.00	13.01	12.99	15	<u>14.00</u>
	10:37		Middle	3.5	27.30	27.30		8.07	8.07		32.71	32.71		79.1	78.7		5.21	5.19		12.96	12.98		13	
29/10/14	10:15	Fine	Middle	3.5	26.60	26.60	26.55	8.11	8.11	8.12	33.02	33.02	33.03	81.2	82.3	82.0	5.42	5.49	5.47	6.74	6.72	6.70	11	10.50
	10:17		Middle	3.5	26.50	26.50		8.12	8.12		33.03	33.03		82.1	82.2		5.48	5.48		6.69	6.65		10	
31/10/14	10:30	Fine	Middle	3.0	27.00	27.00	26.95	7.37	7.37	7.43	33.34	33.34	33.37	101.5	99.9	101.5	6.71	6.61	6.72	8.23	8.20	8.15	8	7.50
	10:32		Middle	3.0	26.90	26.90		7.49	7.49		33.39	33.39		102.0	102.6		6.75	6.79		8.09	8.09		7	

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	Value	Average				
2/10/14	4:57	Cloudy	Middle	3.0	27.70	27.70	27.70	8.03	8.03	8.03	32.23	32.23	32.23	85.4	86.6	85.8	5.62	5.70	5.65	2.49	2.57	2.53	3	2.50
	4:58		Middle	3.0	27.70	27.70		8.03	8.03	8.03	32.23	32.23		85.3	85.7		5.62	5.64		2.51	2.54		2	
4/10/14	9:20	Fine	Middle	3.5	28.60	28.60	28.60	8.02	8.02	8.03	32.30	32.30	32.30	81.0	80.1	80.3	5.25	5.19	5.20	4.48	4.42	4.46	3	3.50
	9:22		Middle	3.5	28.60	28.60		8.03	8.03	8.03	32.30	32.30		80.5	79.6		5.21	5.16		4.45	4.49		4	
6/10/14	11:15	Fine	Middle	3.5	29.10	29.10	29.15	8.08	8.08	8.08	32.46	32.46	32.47	78.2	78.8	78.5	5.01	5.05	5.03	8.61	8.53	8.53	6	6.00
	11:17		Middle	3.5	29.20	29.20		8.08	8.08	8.08	32.47	32.47		78.5	78.5		5.03	5.03		8.49	8.48		6	
8/10/14	10:40	Fine	Middle	3.5	28.10	28.10	28.10	8.17	8.17	8.18	32.99	32.99	33.00	81.4	84.1	82.5	5.29	5.47	5.37	11.44	11.46	11.47	6	6.00
	10:42		Middle	3.5	28.10	28.10		8.18	8.18	8.18	33.00	33.00		81.5	83.1		5.30	5.40		11.47	11.51		6	
10/10/14	11:55	Fine	Middle	3.5	29.00	29.00	29.00	8.09	8.09	8.09	32.72	32.72	32.74	70.5	72.5	72.0	4.58	4.59	4.61	7.86	7.90	7.91	8	8.00
	11:57		Middle	3.5	29.00	29.00		8.09	8.09	8.09	32.75	32.75		72.6	72.2		4.65	4.61		7.93	7.95		8	
13/10/14	5:06	Cloudy	Middle	3.0	26.30	26.30	26.25	8.08	8.08	8.08	32.59	32.59	32.59	80.9	81.1	80.8	5.44	5.45	5.43	6.33	6.36	6.31	5	4.50
	5:07		Middle	3.0	26.20	26.20		8.08	8.08	8.08	32.59	32.59		80.2	80.9		5.39	5.44		6.27	6.29		4	
15/10/14	5:38	Cloudy	Middle	3.0	26.10	26.10	26.10	8.10	8.10	8.10	32.85	32.85	32.85	79.4	80.3	80.0	5.35	5.42	5.40	3.68	3.72	3.74	3	3.00
	5:39		Middle	3.0	26.10	26.10		8.10	8.10	8.10	32.85	32.85		80.5	79.7		5.43	5.38		3.80	3.76		3	
17/10/14	4:25	Cloudy	Middle	3.5	25.40	25.40	25.35	8.17	8.17	8.18	33.13	33.13	33.13	81.8	81.4	81.6	5.57	5.54	5.56	5.52	5.55	5.56	7	6.50
	4:26		Middle	3.5	25.30	25.30		8.18	8.18	8.18	33.13	33.13		82.1	81.2		5.59	5.53		5.57	5.59		6	
20/10/14	8:35	Fine	Middle	3.0	27.10	27.10	27.10	8.12	8.12	8.13	33.17	33.17	33.18	76.5	78.8	78.7	5.05	5.20	5.19	10.19	10.23	10.24	9	9.00
	8:37		Middle	3.0	27.10	27.10		8.13	8.13	8.13	33.18	33.18		80.1	79.4		5.28	5.24		10.23	10.32		9	
22/10/14	11:30	Fine	Middle	3.0	28.20	28.20	28.25	8.02	8.02	8.03	32.88	32.88	32.89	86.0	87.0	85.0	5.58	5.64	5.55	6.75	6.79	6.79	6	6.00
	11:32		Middle	3.0	28.30	28.30		8.03	8.03	8.03	32.89	32.89		83.2	83.8		5.53	5.43		6.83	6.79		6	
24/10/14	11:15	Fine	Middle	3.5	26.60	26.60	26.60	8.13	8.13	8.13	32.88	32.88	32.87	77.2	77.6	77.9	5.16	5.18	5.20	8.94	8.91	8.92	5	5.00
	11:17		Middle	3.5	26.60	26.60		8.13	8.13	8.13	32.85	32.85		78.4	78.2		5.23	5.22		8.91	8.91		5	
27/10/14	4:50	Cloudy	Middle	3.0	26.16	26.16	26.16	8.16	8.17	8.16	32.45	32.45	32.45	94.0	95.3	95.7	6.34	6.43	6.45	7.45	7.49	7.44	4	4.00
	4:51		Middle	3.0	26.16	26.16		8.16	8.16	8.16	32.45	32.45		96.3	97.0		6.49	6.54		7.40	7.42		4	
29/10/14	5:36	Cloudy	Middle	3.0	25.02	25.02	25.02	7.96	7.96	7.97	32.80	32.80	32.80	99.7	99.4	99.6	6.83	6.81	6.82	6.71	6.74	6.63	8	8.00
	5:37		Middle	3.0	25.02	25.02		7.97	7.97	7.97	32.80	32.80		99.9	99.3		6.85	6.80		6.55	6.50		8	
31/10/14	5:43	Cloudy	Middle	3.0	25.67	25.67	25.66	8.24	8.24	8.24	32.74	32.74	32.74	99.7	97.0	98.0	7.01	6.88	6.85	3.38	3.27	3.32	4	4.00
	5:44		Middle	3.0	25.65	25.65		8.23	8.23	8.23	32.74	32.74		97.2	98.1		6.90	6.61		3.33	3.31		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					
2/10/14	13:30	Cloudy	Middle	3.5	28.40	28.40	28.40	7.88	7.88	7.87	29.35	29.35	29.36	54.2	54.9	54.3	3.58	3.57	3.57	8.89	8.49	8.52	11	11.00
	13:31		Middle	3.5	28.40	28.40		7.86	7.86		29.36	29.36		53.6	54.4		3.54	3.59		8.42	8.26		11	
4/10/14	13:45	Fine	Middle	2.5	28.50	28.50	28.50	8.00	8.00	8.01	31.87	31.87	31.87	74.5	74.8	74.4	4.84	4.86	4.84	5.89	5.89	5.90	7	7.50
	13:47		Middle	2.5	28.50	28.50		8.01	8.01		31.87	31.87		74.4	74.0		4.83	4.81		5.90	5.93		8	
6/10/14	17:37	Fine	Middle	3.0	27.90	27.90	27.85	8.09	8.09	8.09	32.21	32.21	32.22	69.4	68.4	69.3	4.55	4.49	4.55	8.72	8.74	8.73	11	10.50
	17:39		Middle	3.0	27.80	27.80		8.09	8.09		32.22	32.22		69.9	69.5		4.59	4.56		8.73	8.72		10	
8/10/14	17:00	Fine	Middle	3.0	28.20	28.20	28.25	8.08	8.08	8.08	31.43	31.43	31.43	68.4	68.8	68.7	4.48	4.50	4.50	9.44	9.35	9.32	10	9.50
	17:02		Middle	3.0	28.30	28.30		8.08	8.08		31.43	31.43		69.5	68.2		4.55	4.46		9.26	9.22		9	
10/10/14	20:46	Cloudy	Middle	3.0	27.80	27.80	27.80	7.86	7.86	7.84	30.74	30.74	30.74	62.9	63.0	63.0	4.07	4.08	4.08	5.75	5.73	5.73	6	7.00
	20:47		Middle	3.0	27.80	27.80		7.82	7.82		30.74	30.74		61.8	64.1		4.00	4.15		5.81	5.61		8	
13/10/14	10:15	Fine	Middle	3.0	28.00	28.00	28.00	8.05	8.05	8.05	31.70	31.70	31.71	64.7	65.5	65.4	4.27	4.30	4.29	10.15	10.16	10.16	12	11.00
	10:17		Middle	3.0	28.00	28.00		8.05	8.05		31.72	31.72		65.6	65.7		4.30	4.27		10.16	10.15		10	
15/10/14	15:52	Fine	Middle	3.0	28.10	28.10	28.10	8.01	8.01	8.01	31.38	31.38	31.38	61.3	59.8	60.3	4.06	3.92	3.97	7.99	7.97	7.97	4	4.00
	15:54		Middle	3.0	28.10	28.10		8.00	8.00		31.38	31.38		60.0	60.1		3.94	3.95		7.97	7.96		4	
17/10/14	14:35	Fine	Middle	3.5	28.20	28.20	28.25	8.09	8.09	8.09	32.59	32.59	32.59	67.1	65.0	65.7	4.36	4.22	4.27	5.12	5.10	5.09	5	5.00
	14:37		Middle	3.5	28.30	28.30		8.09	8.09		32.58	32.58		65.7	65.1		4.27	4.24		5.08	5.07		5	
20/10/14	17:10	Fine	Middle	3.0	27.20	27.20	27.25	8.05	8.05	8.05	32.83	32.83	32.83	70.1	71.0	70.6	4.63	4.69	4.66	8.21	8.20	8.24	8	9.00
	17:12		Middle	3.0	27.30	27.30		8.05	8.05		32.83	32.83		70.7	70.5		4.67	4.65		8.20	8.33		10	
22/10/14	16:45	Fine	Middle	3.0	28.00	28.00	28.00	8.01	8.01	8.01	32.37	32.37	32.37	68.6	71.3	70.6	4.48	4.65	4.61	6.99	6.99	7.10	8	8.00
	16:47		Middle	3.0	28.00	28.00		8.01	8.01		32.37	32.37		71.4	71.0		4.66	4.64		7.20	7.21		8	
24/10/14	16:43	Fine	Middle	2.5	26.60	26.60	26.60	8.08	8.08	8.08	32.70	32.70	32.70	67.9	68.7	67.7	4.53	4.59	4.52	8.84	8.84	8.79	7	8.00
	16:45		Middle	2.5	26.60	26.60		8.08	8.08		32.70	32.70		67.4	66.7		4.50	4.46		8.76	8.72		9	
27/10/14	10:30	Fine	Middle	3.0	27.40	27.40	27.45	8.04	8.04	8.05	32.52	32.52	32.52	73.5	74.4	73.8	4.83	4.90	4.86	10.37	10.32	10.34	11	10.50
	10:32		Middle	3.0	27.50	27.50		8.05	8.05		32.51	32.51		75.1	72.2		4.95	4.76		10.32	10.36		10	
29/10/14	10:20	Fine	Middle	3.0	26.40	26.40	26.40	8.11	8.11	8.11	32.72	32.72	32.72	78.9	79.2	78.8	5.29	5.33	5.29	13.33	13.33	13.35	9	8.50
	10:22		Middle	3.0	26.40	26.40		8.11	8.11		32.72	32.72		78.7	78.4		5.28	5.26		13.36	13.39		8	
31/10/14	10:35	Fine	Middle	2.5	26.70	26.70	26.70	7.53	7.53	7.56	33.04	33.03	33.12	86.4	87.4	86.8	5.74	5.88	5.79	8.07	8.17	8.12	5	5.00
	10:37		Middle	2.5	26.70	26.70		7.58	7.58		33.20	33.20		87.1	86.3		5.79	5.73		8.12	8.10		5	

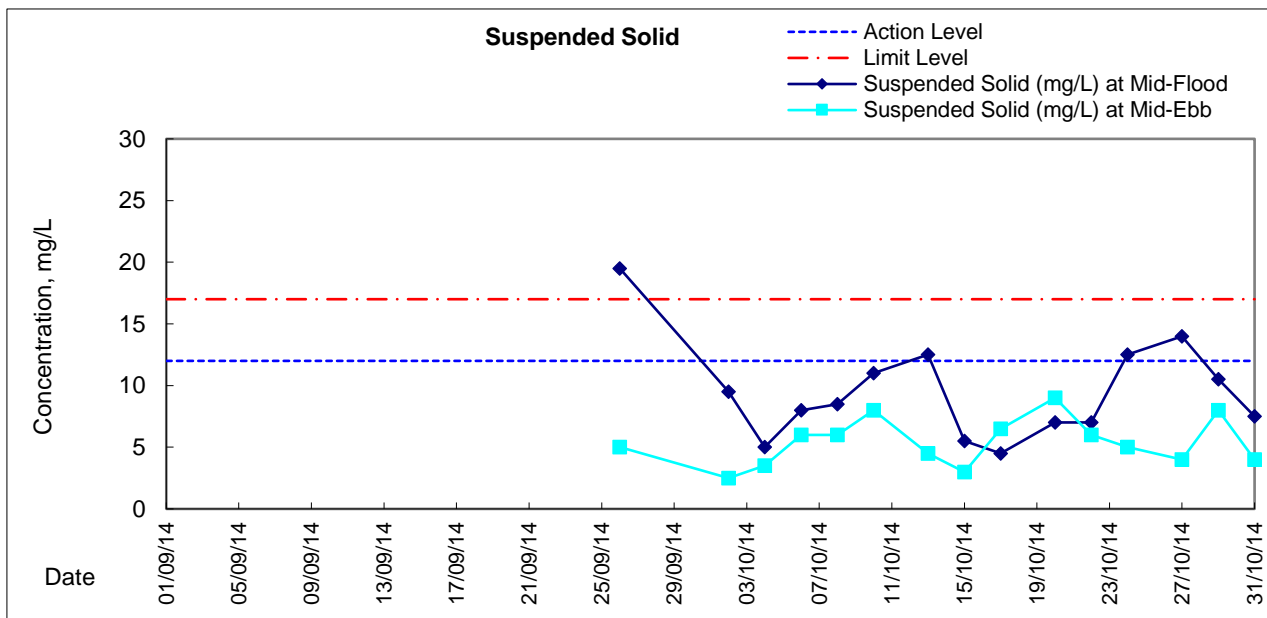
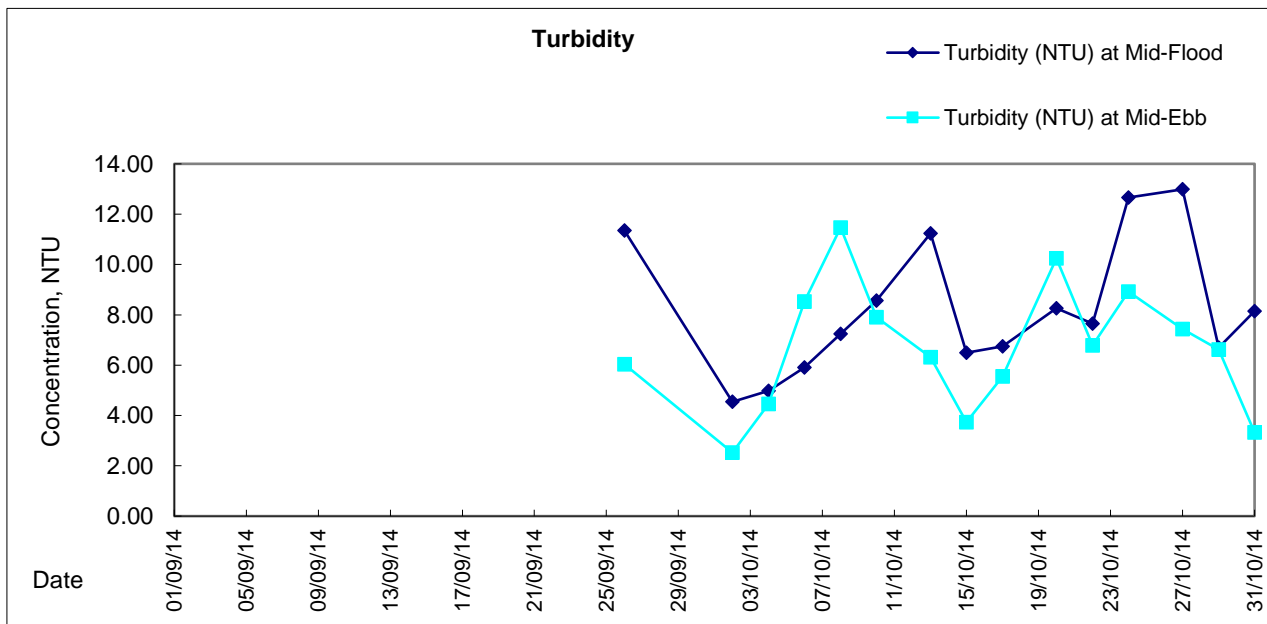
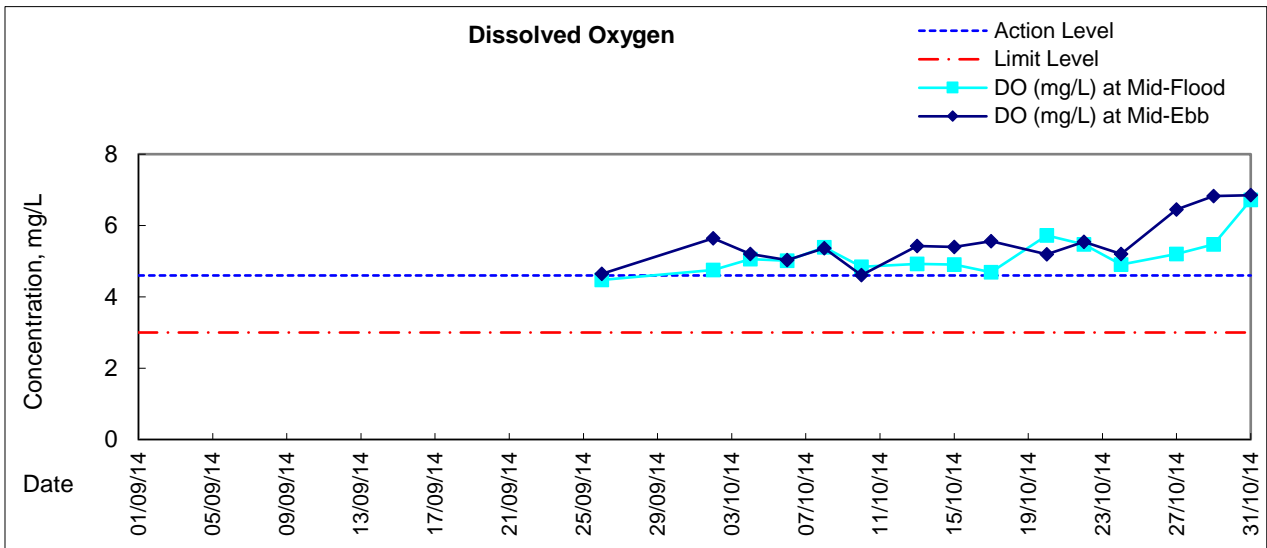


**Water Monitoring Result at Culvert J - Reference Station  
Mid-Ebb Tide**

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				
2/10/14	4:47	Cloudy	Middle	4	27.90	27.90	27.90	7.75	7.75	7.72	25.47	25.47	25.48	38.0	39.5	39.1	2.59	2.69	2.66	16.12	16.34	16.07	4	4.00
	4:48		Middle	4	27.90	27.90		7.69	7.69		25.48	25.48		39.6	39.2		2.70	2.67		16.05	15.77		4	
4/10/14	9:30	Fine	Middle	3	28.50	28.50	28.50	8.01	8.01	8.01	31.91	31.91	31.91	70.7	70.7	70.9	4.60	4.60	4.61	4.80	4.66	4.68	4	4.50
	9:32		Middle	3	28.50	28.50		8.01	8.01		31.90	31.90		71.2	70.9		4.63	4.61		4.64	4.63		5	
6/10/14	11:10	Fine	Middle	4	28.60	28.60	28.55	8.08	8.08	8.08	31.98	31.98	31.98	69.0	68.5	69.3	4.48	4.45	4.50	6.20	6.13	6.15	7	7.00
	11:12		Middle	4	28.50	28.50		8.08	8.08		31.98	31.98		69.6	70.0		4.51	4.54		6.12	6.16		7	
8/10/14	10:35	Fine	Middle	4	28.10	28.10	28.05	8.05	8.05	8.05	29.41	29.41	29.42	54.3	54.6	54.5	3.60	3.62	3.62	8.86	8.89	8.88	6	6.50
	10:37		Middle	4	28.00	28.00		8.04	8.04		29.42	29.42		54.4	54.8		3.62	3.64		8.90	8.88		7	
10/10/14	11:59	Fine	Middle	3	28.80	28.80	28.80	8.02	8.02	8.01	31.24	31.24	31.23	51.8	53.9	53.4	3.36	3.50	3.46	9.34	9.34	9.35	5	5.00
	12:01		Middle	3	28.80	28.80		8.00	8.00		31.22	31.22		54.5	53.5		3.51	3.46		9.36	9.35		5	
13/10/14	5:18	Cloudy	Middle	3	27.10	27.10	27.05	7.90	7.87	7.87	31.10	31.10	31.10	48.2	48.6	47.8	3.23	3.26	3.21	8.88	9.04	8.97	7	6.00
	5:19		Middle	3	27.00	27.00		7.86	7.86		31.09	31.09		47.5	47.0		3.19	3.15		8.99	8.96		5	
15/10/14	5:47	Cloudy	Middle	3	26.40	26.40	26.35	7.97	7.97	7.95	28.54	28.54	28.54	52.0	51.9	51.8	3.57	3.57	3.56	5.73	5.82	5.76	3	3.00
	5:48		Middle	3	26.30	26.30		7.93	7.93		28.54	28.54		51.0	52.3		3.51	3.60		5.80	5.68		3	
17/10/14	4:36	Cloudy	Middle	3	25.70	25.70	25.65	8.12	8.12	8.12	32.70	32.70	32.70	64.5	65.9	64.8	4.38	4.48	4.41	4.63	4.65	4.74	6	6.00
	4:37		Middle	3	25.60	25.60		8.12	8.12		32.70	32.70		64.7	64.2		4.40	4.37		4.90	4.79		6	
20/10/14	8:40	Fine	Middle	3	26.90	26.90	26.90	8.12	8.12	8.12	33.03	33.03	33.03	70.9	70.7	71.6	4.71	4.69	4.75	8.56	8.53	8.53	7	7.50
	8:42		Middle	3	26.90	26.90		8.12	8.12		33.03	33.03		71.7	73.0		4.77	4.83		8.52	8.52		8	
22/10/14	11:35	Fine	Middle	3	28.30	28.30	28.30	8.02	8.02	8.03	32.79	32.79	32.79	67.0	67.0	67.3	4.35	4.35	4.37	5.81	5.87	5.86	6	6.00
	11:37		Middle	3	28.30	28.30		8.03	8.03		32.79	32.79		68.1	66.9		4.42	4.34		5.88	5.88		6	
24/10/14	11:19	Fine	Middle	3	26.50	26.50	26.50	8.08	8.08	8.09	32.74	32.74	32.74	72.8	71.9	72.5	4.87	4.81	4.85	6.32	6.31	6.33	3	3.50
	11:21		Middle	3	26.50	26.50		8.09	8.09		32.74	32.74		72.4	73.0		4.84	4.88		6.34	6.35		4	
27/10/14	4:57	Cloudy	Middle	3	26.25	26.25	26.24	8.18	8.18	8.11	26.08	26.04	26.03	82.7	82.0	81.3	5.77	5.72	5.67	7.24	7.00	6.84	9	8.00
	4:58		Middle	3	26.23	26.23		8.05	8.04		26.00	26.00		80.0	80.3		5.58	5.60		6.54	6.56		7	
29/10/14	5:45	Cloudy	Middle	3	25.39	25.39	25.39	7.94	7.95	7.92	30.09	30.09	30.09	81.5	80.9	80.4	5.64	5.59	5.56	8.48	8.46	8.29	6	6.50
	5:46		Middle	3	25.38	25.38		7.89	7.89		30.09	30.09		79.8	79.4		5.52	5.49		8.10	8.12		7	
31/10/14	5:49	Cloudy	Middle	3	25.89	25.89	25.89	8.16	8.16	8.15	25.27	25.27	25.27	84.9	84.8	84.6	5.98	5.98	5.97	11.67	10.98	10.96	9	9.00
	5:50		Middle	3	25.88	25.88		8.13	8.13		25.27	25.27		84.4	84.3		5.95	5.95		10.58	10.62		9	



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





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

