



**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					
2/9/16	21:15	Cloudy	Middle	3.5	27.70	27.70	27.70	7.82	7.82	7.83	30.39	30.39	30.39	80.0	80.1	80.2	5.31	5.31	5.32	15.65	15.66	15.65	9	8.50
	21:16		Middle	3.5	27.70	27.70		7.83	7.83		30.40	30.39		79.9	80.6		5.30	5.35		15.68	15.61		8	
5/9/16	8:50	Cloudy	Middle	3.5	26.90	26.90	26.95	7.84	7.84	7.85	31.18	31.18	31.18	94.6	96.1	95.4	6.33	6.43	6.39	6.63	6.63	6.62	5	5.50
	8:52		Middle	3.5	27.00	27.00		7.85	7.85		31.18	31.18		96.3	94.6		6.45	6.33		6.63	6.60		6	
7/9/16	10:26	Cloudy	Middle	3.5	26.80	26.80	26.85	7.79	7.79	7.80	30.36	30.36	30.36	74.4	73.5	73.0	5.01	4.95	4.92	7.44	7.45	7.48	4	4.00
	10:28		Middle	3.5	26.90	26.90		7.81	7.82		30.35	30.35		72.4	71.7		4.88	4.83		7.46	7.56		4	
10/9/16	2:30	Cloudy	Middle	3.5	27.10	27.10	27.10	7.70	7.70	7.71	29.00	29.00	29.01	72.0	72.2	72.2	4.87	4.88	4.88	2.32	2.34	2.38	5	4.00
	2:31		Middle	3.5	27.10	27.10		7.72	7.72		29.01	29.01		72.5	72.2		4.90	4.88		2.42	2.44		3	
12/9/16	16:19	Fine	Middle	3.5	28.80	28.80	28.95	7.76	7.76	7.77	29.96	29.96	29.96	97.2	96.3	96.0	6.34	6.28	6.26	4.52	4.43	4.40	5	5.00
	16:21		Middle	3.5	29.10	29.10		7.78	7.78		29.95	29.95		95.8	94.6		6.25	6.16		4.30	4.36		5	
14/9/16	15:45	Fine	Middle	4.0	28.40	28.40	28.50	7.99	7.99	8.00	29.76	29.76	29.76	103.0	103.7	103.5	6.77	6.85	6.82	7.61	7.50	7.53	5	5.50
	15:47		Middle	4.0	28.60	28.60		8.00	8.00		29.75	29.75		103.6	103.5		6.84	6.83		7.47	7.55		6	
17/9/16	16:33	Fine	Middle	3.5	28.50	28.50	28.60	7.87	7.87	7.88	30.61	30.61	30.61	91.3	90.9	90.9	5.97	5.84	5.92	9.52	9.52	9.53	10	10.50
	16:35		Middle	3.5	28.70	28.70		7.88	7.88		30.61	30.61		89.4	92.0		5.84	6.01		9.54	9.53		11	
19/9/16	7:49	Fine	Middle	4.0	27.90	27.90	27.90	7.90	7.90	7.91	30.72	30.72	30.72	89.5	89.0	88.3	5.91	5.88	5.83	10.00	10.00	10.00	9	9.00
	7:51		Middle	4.0	27.90	27.90		7.91	7.91		30.72	30.72		87.7	87.1		5.79	5.75		10.00	10.00		9	
21/9/16	9:05	Fine	Middle	4.0	27.50	27.50	27.50	7.89	7.89	7.91	31.01	31.01	31.01	95.6	95.8	95.0	6.30	6.31	6.26	10.85	10.70	10.63	11	10.00
	9:07		Middle	4.0	27.50	27.50		7.92	7.92		31.01	31.01		94.7	93.9		6.25	6.19		10.52	10.43		9	
23/9/16	10:35	Fine	Middle	3.5	27.90	27.90	27.90	7.94	7.94	7.94	31.40	31.40	31.40	99.6	98.5	98.0	6.56	6.48	6.45	10.00	9.88	9.96	10	9.50
	10:37		Middle	3.5	27.90	27.90		7.94	7.94		31.40	31.40		99.0	94.7		6.52	6.24		9.96	9.98		9	
26/9/16	15:20	Fine	Middle	4.0	29.00	29.00	29.05	7.85	7.85	7.88	31.52	31.52	31.52	98.2	96.5	97.1	6.34	6.23	6.27	5.54	5.68	5.63	11	10.50
	15:22		Middle	4.0	29.10	29.10		7.90	7.90		31.52	31.52		95.2	98.4		6.14	6.35		5.69	5.61		10	
28/9/16	17:52	Fine	Middle	4.0	28.28	28.28	28.30	8.02	8.02	8.03	29.97	29.97	29.96	82.7	82.8	82.9	5.48	5.48	5.48	2.99	2.97	2.96	9	9.50
	17:54		Middle	4.0	28.32	28.32		8.03	8.03		29.94	29.94		83.0	82.9		5.47	5.47		2.97	2.91		10	
30/9/16	20:00	Cloudy	Middle	3.5	26.80	26.80	26.80	7.68	7.68	7.71	31.73	31.73	31.74	81.7	81.9	81.4	5.47	5.48	5.45	11.06	11.04	11.05	8	10.00
	20:01		Middle	3.5	26.80	26.80		7.73	7.73		31.74	31.74		80.8	81.0		5.41	5.42		11.02	11.08		12	

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					
2/9/16	21:30	Cloudy	Middle	3.0	27.60	27.60	27.60	7.92	7.92	7.92	23.60	23.66	23.65	50.0	50.0	49.8	3.45	3.45	3.44	15.32	15.30	14.94	6	6.50
	21:31		Middle	3.0	27.60	27.60		7.91	7.91		23.66	23.66		49.6	49.5		3.42	3.42		14.56	14.59		7	
5/9/16	8:45	Cloudy	Middle	3.5	27.20	27.20	27.35	7.85	7.85	7.85	30.39	30.39	30.38	84.9	85.2	84.5	5.68	5.69	5.65	8.02	8.03	8.00	7	7.00
	8:47		Middle	3.5	27.50	27.50		7.85	7.85		30.37	30.37		83.8	84.2		5.59	5.62		8.00	7.93		7	
7/9/16	10:22	Cloudy	Middle	3.5	26.90	26.90	26.90	7.78	7.78	7.79	29.04	29.04	29.04	70.7	69.1	68.8	4.80	4.69	4.67	9.06	9.14	9.10	4	4.00
	10:24		Middle	3.5	26.90	26.90		7.80	7.80		29.04	29.04		68.4	67.0		4.64	4.54		9.10	9.09		4	
10/9/16	2:33	Cloudy	Middle	3.0	27.10	27.10	27.10	7.79	7.79	7.78	25.36	25.36	25.37	63.6	63.8	63.4	4.39	4.40	4.38	3.09	2.99	2.99	2	2.00
	2:34		Middle	3.0	27.10	27.10		7.77	7.77		25.37	25.37		63.0	63.2		4.35	4.36		2.93	2.96		2	
12/9/16	16:15	Fine	Middle	3.5	29.60	29.60	29.80	7.74	7.74	7.75	29.40	29.40	29.39	83.6	83.7	82.0	5.41	5.41	5.42	5.08	5.06	5.15	6	6.00
	16:17		Middle	3.5	30.00	30.00		7.75	7.75		29.38	29.38		80.0	80.8		5.66	5.21		5.22	5.23		6	
14/9/16	15:50	Fine	Middle	3.5	28.40	28.40	28.45	8.01	8.01	8.02	29.39	29.39	29.39	93.2	93.3	93.2	6.15	6.16	6.16	7.30	7.30	7.45	7	7.00
	15:52		Middle	3.5	28.50	28.50		8.02	8.02		29.39	29.39		93.6	92.8		6.18	6.14		7.56	7.63		7	
17/9/16	16:29	Fine	Middle	3.5	28.80	28.80	28.90	7.86	7.86	7.87	30.70	30.70	30.69	87.1	90.0	90.1	5.66	5.85	5.86	9.24	9.23	9.31	10	10.50
	16:31		Middle	3.5	29.00	29.00		7.87	7.87		30.68	30.68		92.2	91.2		5.99	5.92		9.36	9.41		11	
19/9/16	7:45	Fine	Middle	4.0	28.00	28.00	28.05	7.90	7.90	7.90	30.06	30.06	30.06	83.6	84.9	82.1	5.53	5.62	5.43	10.92	10.99	10.99	10	9.00
	7:47		Middle	4.0	28.10	28.10		7.90	7.90		30.06	30.06		81.6	78.4		5.40	5.18		11.05	10.99		8	
21/9/16	9:00	Fine	Middle	4.0	27.50	27.50	27.55	7.92	7.92	7.92	28.31	28.31	28.31	81.7	81.1	80.9	5.50	5.46	5.45	10.89	10.88	10.88	9	8.00
	9:02		Middle	4.0	27.60	27.60		7.91	7.91		28.31	28.31		80.7	80.2		5.44	5.40		10.88	10.88		7	
23/9/16	10:30	Fine	Middle	3.5	28.00	28.00	28.05	7.91	7.91	7.92	31.15	31.15	31.15	87.8	88.6	87.8	5.77	5.82	5.77	10.02	10.00	10.00	8	8.00
	10:32		Middle	3.5	28.10	28.10		7.92	7.92		31.15	31.15		88.5	86.4		5.81	5.68		10.00	9.98		8	
26/9/16	15:15	Fine	Middle	4.0	29.20	29.20	29.30	7.84	7.84	7.85	29.43	29.43	29.43	79.2	80.1	79.8	5.15	5.20	5.18	13.14	13.12	13.13	6	7.00
	15:17		Middle	4.0	29.40	29.40		7.85	7.85		29.43	29.43		79.4	80.3		5.16	5.21		13.12	13.12		8	
28/9/16	17:45	Fine	Middle	3.5	28.34	28.34	28.39	7.99	7.99	8.00	30.15	30.15	30.13	76.1	76.0	75.7	5.00	5.00	4.98	3.47	3.43	3.46	6	6.50
	17:47		Middle	3.5	28.44	28.44		8.01	8.01		30.10	30.10		75.6	75.1		4.97	4.94		3.47	3.48		7	
30/9/16	20:10	Cloudy	Middle	3.0	26.80	26.80	26.80	7.90	7.90	7.89	26.12	26.12	26.12	47.7	48.5	48.2	3.29	3.35	3.33	11.39	11.18	11.27	8	8.50
	20:11		Middle	3.0	26.80	26.80		7.87	7.87		26.11	26.11		48.2	48.4		3.33	3.34		11.21	11.31		9	



**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				
2/9/16	14:20	Cloudy	Middle	3.5	27.60	27.60	27.65	7.79	7.79	7.80	26.60	26.60	26.61	92.8	93.1	93.4	6.19	6.22	6.23	7.66	7.48	7.50	6	7.00
	14:22		Middle	3.5	27.70	27.70		7.81	7.81		26.62	26.62		94.2	93.5		6.28	6.24		6.23	7.52		7.32	
5/9/16	15:08	Rainy	Middle	3.5	26.70	26.70	26.70	7.88	7.88	7.88	30.01	30.01	30.02	97.8	96.8	96.5	6.62	6.55	6.53	6.39	6.18	6.16	8	8.00
	15:10		Middle	3.5	26.70	26.70		7.88	7.88		30.02	30.02		96.0	95.4		6.50	6.46		6.53	6.06		6.00	
7/9/16	16:09	Cloudy	Middle	3.5	27.00	27.00	27.05	7.82	7.82	7.82	30.06	30.06	30.06	77.4	79.1	77.0	5.32	5.32	5.22	5.55	5.57	5.56	5	4.50
	16:11		Middle	3.5	27.10	27.10		7.82	7.82		30.05	30.05		76.2	75.2		5.17	5.08		5.22	5.57		5.55	
9/9/16	2:35	Cloudy	Middle	3.5	27.10	27.10	27.15	7.66	7.68	7.69	30.23	30.23	30.23	77.5	78.3	77.3	5.20	5.25	5.19	4.26	4.27	4.23	4	3.50
	2:36		Middle	3.5	27.20	27.20		7.71	7.71		30.23	30.23		77.2	76.3		5.18	5.12		5.19	4.20		4.18	
12/9/16	9:15	Fine	Middle	4.0	28.50	28.50	28.50	7.82	7.82	7.82	29.27	29.27	29.27	95.3	95.1	95.1	6.28	6.27	6.27	4.46	4.43	4.43	4	5.00
	9:17		Middle	4.0	28.50	28.50		7.81	7.81		29.27	29.27		94.6	95.4		6.23	6.29		6.27	4.41		4.41	
14/9/16	10:40	Fine	Middle	3.5	28.60	28.60	28.65	7.97	7.97	7.98	29.25	29.25	29.26	101.6	102.7	102.3	6.65	6.75	6.72	4.68	4.66	4.74	5	4.50
	10:42		Middle	3.5	28.70	28.70		7.99	7.99		29.26	29.26		102.9	102.1		6.77	6.72		6.72	4.75		4.88	
17/9/16	10:20	Fine	Middle	4.0	28.40	28.40	28.40	7.93	7.93	7.94	31.02	31.02	31.02	94.9	94.6	94.1	6.21	6.19	6.17	7.16	7.12	7.12	5	5.00
	10:22		Middle	4.0	28.40	28.40		7.95	7.95		31.01	31.01		93.6	93.2		6.17	6.10		6.17	7.11		7.10	
19/9/16	14:05	Fine	Middle	3.5	29.00	29.00	29.10	7.80	7.80	7.82	30.82	30.82	30.81	99.5	98.2	98.6	6.45	6.35	6.38	9.52	9.55	9.58	8	8.00
	14:07		Middle	3.5	29.20	29.20		7.84	7.84		30.80	30.80		97.9	98.7		6.34	6.38		6.38	9.62		9.61	
21/9/16	15:09	Fine	Middle	3.5	28.60	28.60	28.65	7.85	7.85	7.91	31.66	31.66	31.66	98.3	98.4	97.8	6.39	6.39	6.35	9.06	8.87	8.92	7	7.50
	15:11		Middle	3.5	28.70	28.70		7.96	7.96		31.65	31.65		97.1	97.5		6.30	6.33		6.35	8.86		8.89	
23/9/16	4:51	Cloudy	Middle	3.5	27.10	27.10	27.10	7.91	7.91	7.92	31.94	31.94	31.95	83.2	82.4	82.8	5.53	5.48	5.51	7.09	7.06	7.06	4	3.50
	4:52		Middle	3.5	27.10	27.11		7.92	7.92		31.95	31.95		82.9	82.7		5.51	5.50		5.51	7.05		7.02	
26/9/16	8:25	Fine	Middle	4.0	28.20	28.20	28.20	7.96	7.96	7.97	31.82	31.82	31.82	100.7	102.6	101.3	6.58	6.71	6.62	5.63	5.67	5.70	3	3.50
	8:27		Middle	4.0	28.20	28.20		7.98	7.98		31.82	31.82		100.8	100.9		6.59	6.60		6.62	5.74		5.74	
28/9/16	10:15	Fine	Middle	3.5	28.41	28.41	28.47	7.84	7.84	7.90	31.14	31.14	31.14	91.2	90.2	90.2	5.94	5.89	5.88	6.26	6.26	6.23	7	6.00
	10:17		Middle	3.5	28.52	28.52		7.95	7.95		31.13	31.13		89.8	89.4		5.86	5.84		5.88	6.19		6.20	
30/9/16	14:50	Fine	Middle	4.0	28.67	28.67	28.67	8.05	8.05	8.05	30.03	30.03	30.04	75.5	75.6	75.5	5.11	5.12	5.11	4.49	4.31	4.34	7	6.00
	14:52		Middle	4.0	28.67	28.67		8.05	8.05		30.04	30.04		75.5	75.5		5.11	5.11		5.11	4.25		4.30	

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

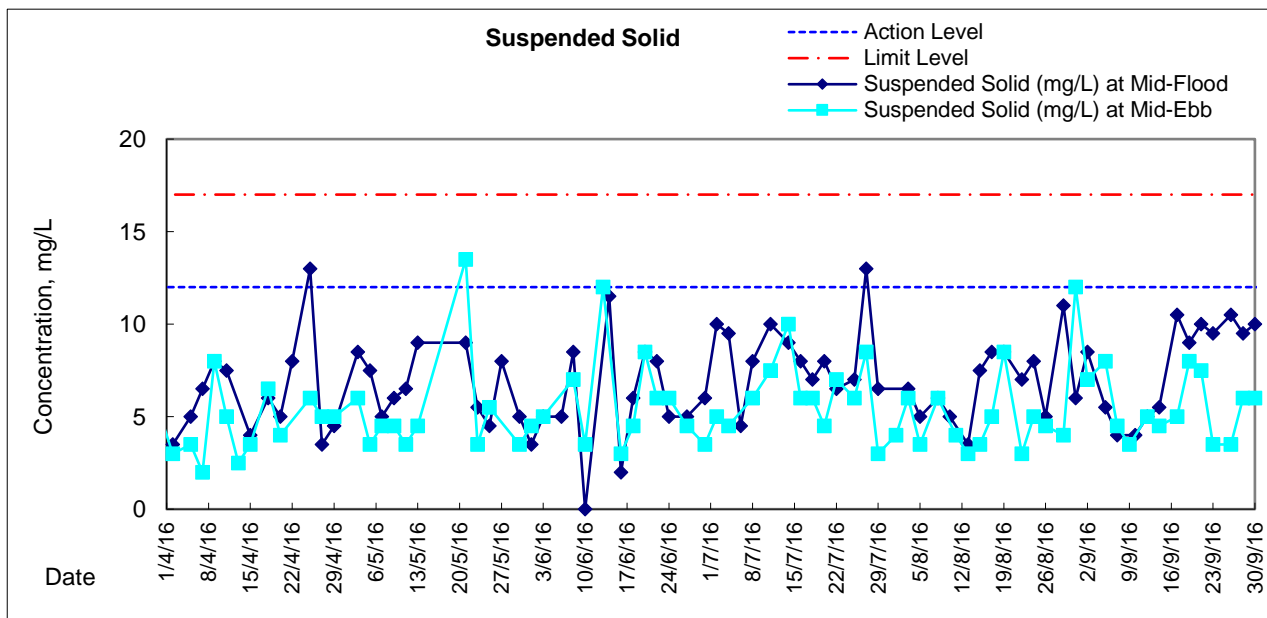
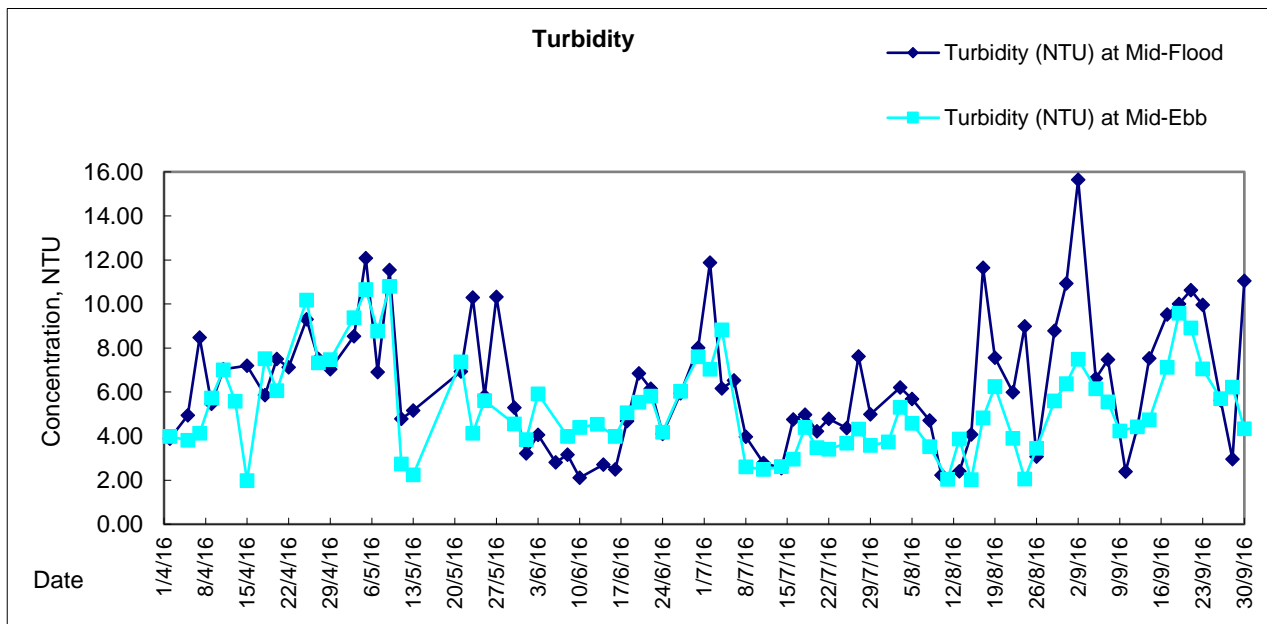
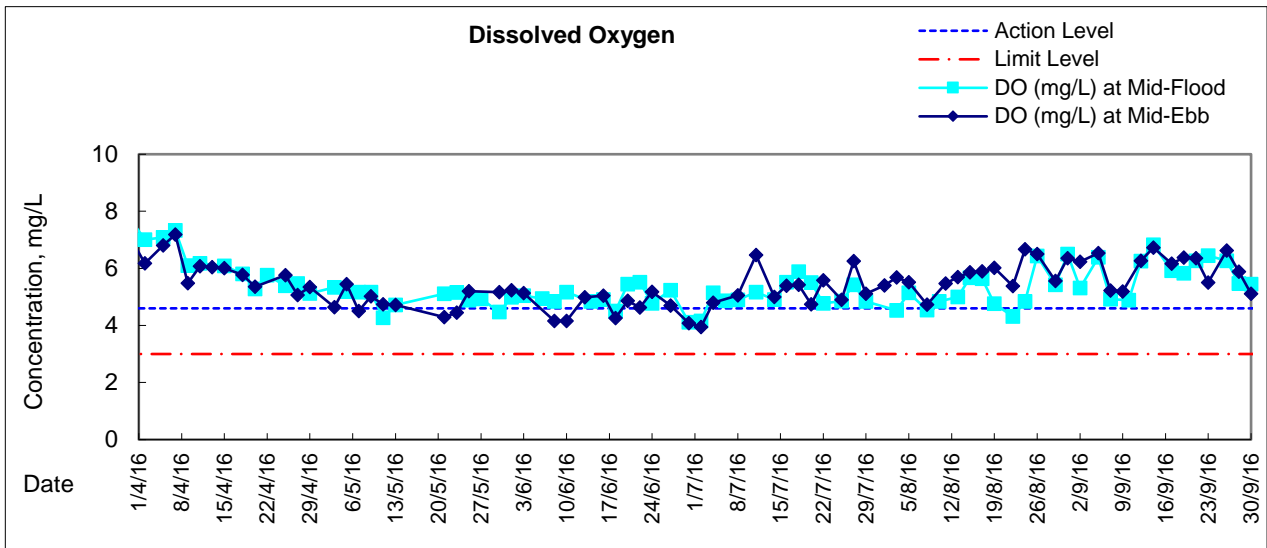


**Water Monitoring Result at Culvert J - Reference Station  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
					°C		-		ppt		%		mg/L		NTU		mg/L							
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
2/9/16	14:15	Cloudy	Middle	4	27.70	27.70	27.75	7.84	7.84	7.84	26.39	26.39	26.39	85.4	83.8	84.4	5.79	5.68	5.72	12.01	12.05	12.05	12	11.50
	14:17		Middle	4	27.80	27.80		7.83	7.83		26.39	26.39		84.3	83.9		5.71	5.69		12.06	12.07		11	
5/9/16	15:04	Rainy	Middle	4	26.60	26.60	26.60	7.94	7.94	7.94	26.96	26.96	26.96	93.4	90.3	90.7	6.44	6.22	6.25	11.56	11.56	11.64	12	12.00
	15:06		Middle	4	26.60	26.60		7.93	7.93		26.96	26.96		89.6	89.3		6.17	6.15		11.66	11.77		12	
7/9/16	16:05	Cloudy	Middle	4	27.10	27.10	27.10	7.82	7.82	7.82	29.00	29.00	29.00	57.0	56.9	56.9	3.86	3.85	3.85	6.83	6.82	6.79	5	4.50
	16:07		Middle	4	27.10	27.10		7.83	7.82		29.00	29.00		57.0	56.5		3.85	3.82		6.77	6.75		4	
9/9/16	2:40	Cloudy	Middle	3	27.10	27.10	27.10	7.83	7.83	7.80	22.49	22.49	22.49	62.7	63.1	63.4	4.40	4.42	4.44	5.27	5.24	5.20	3	4.00
	2:41		Middle	3	27.10	27.10		7.76	7.76		22.49	22.49		63.7	63.9		4.47	4.48		5.19	5.10		5	
12/9/16	9:20	Fine	Middle	4	28.30	28.30	28.35	7.81	7.81	7.81	28.49	28.49	28.49	86.9	87.5	86.8	5.77	5.87	5.78	4.21	4.19	4.18	2	2.00
	9:22		Middle	4	28.40	28.40		7.80	7.80		28.48	28.48		86.7	86.1		5.76	5.72		4.17	4.15		<2	
14/9/16	10:35	Fine	Middle	4	28.90	28.90	29.00	8.01	8.01	8.00	26.94	26.94	26.94	94.6	93.9	93.5	6.25	6.22	6.19	7.23	7.12	7.16	5	5.50
	10:37		Middle	4	29.10	29.10		7.98	7.98		26.94	26.94		92.6	92.7		6.15	6.15		7.10	7.20		6	
17/9/16	10:15	Fine	Middle	4	28.40	28.40	28.50	7.92	7.92	7.92	29.60	29.60	29.60	87.2	89.9	88.3	5.74	5.92	5.81	7.55	7.62	7.60	4	4.00
	10:17		Middle	4	28.60	28.60		7.92	7.92		29.60	29.60		88.6	87.6		5.83	5.76		7.64	7.59		4	
19/9/16	14:00	Fine	Middle	4	29.50	29.50	29.70	7.77	7.77	7.79	28.18	28.18	28.18	80.1	80.4	79.8	5.20	5.22	5.18	9.57	9.56	9.71	8	7.50
	14:02		Middle	4	29.90	29.90		7.81	7.81		28.18	28.18		78.9	79.8		5.12	5.17		9.79	9.90		7	
21/9/16	15:05	Fine	Middle	4	28.70	28.70	28.90	7.89	7.89	7.92	31.69	31.69	31.67	94.1	94.0	93.5	6.08	6.08	6.04	10.03	9.98	9.94	8	8.00
	15:07		Middle	4	29.10	29.10		7.94	7.94		31.65	31.65		92.6	93.4		5.97	6.02		9.91	9.83		8	
23/9/16	5:02	Cloudy	Middle	3	27.10	27.10	27.10	8.04	8.04	8.03	24.16	24.16	24.16	59.1	60.2	60.1	4.11	4.19	4.18	6.48	6.50	6.48	5	4.50
	5:03		Middle	3	27.10	27.10		8.02	8.02		24.15	24.15		60.8	60.3		4.23	4.19		6.54	6.41		4	
26/9/16	8:20	Fine	Middle	4	28.10	28.10	28.10	7.94	7.94	7.95	29.89	29.89	29.90	85.9	88.8	87.5	5.68	5.87	5.78	7.27	7.25	7.25	6	5.00
	8:22		Middle	4	28.10	28.10		7.95	7.95		29.90	29.90		87.6	87.5		5.79	5.79		7.23	7.23		4	
28/9/16	10:08	Fine	Middle	4	28.41	28.41	28.41	7.78	7.78	7.80	27.75	27.75	27.78	79.6	79.5	79.6	5.30	5.29	5.30	6.84	6.96	6.94	11	10.00
	10:10		Middle	4	28.41	28.41		7.82	7.82		27.80	27.80		79.5	79.6		5.29	5.30		6.99	6.97		9	
30/9/16	14:45	Fine	Middle	4	28.36	28.36	28.33	8.06	8.06	8.06	30.00	30.00	30.00	71.9	71.3	71.8	4.89	4.85	4.88	5.23	5.25	5.26	7	7.50
	14:47		Middle	4	28.30	28.30		8.05	8.05		30.00	30.00		72.0	71.8		4.90	4.89		5.27	5.30		8	



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





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

