



**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	
2/2/17	11:50	Fine	Middle	3.5	18.60	18.60	18.60	7.96	7.96	7.98	28.34	28.34	28.34	85.3	85.3	84.9	6.74	6.74	6.70	11.71	11.75	11.75	42	<u>40.50</u>
	11:52		Middle	3.5	18.60	18.60		7.99	7.99		28.34	28.34		84.5	84.3		6.67	6.65		11.76	11.76		39	
4/2/17	9:25	Fine	Middle	4.0	18.30	18.30	18.35	8.02	8.02	8.05	30.89	30.89	30.89	83.1	83.7	83.5	6.49	6.54	6.52	8.10	8.19	8.20	14	<u>15.00</u>
	9:27		Middle	4.0	18.40	18.40		8.08	8.08		30.89	30.89		83.7	83.4		6.54	6.51		8.23	8.28		16	
6/2/17	10:30	Fine	Middle	3.5	18.90	18.90	18.95	7.96	7.96	7.99	30.67	30.67	30.67	97.0	96.8	96.7	7.50	7.49	7.47	4.81	4.84	4.83	7	6.50
	10:32		Middle	3.5	19.00	19.00		8.02	8.02		30.67	30.67		95.6	97.2		7.35	7.52		4.85	4.83		6	
8/2/17	14:40	Fine	Middle	3.5	18.60	18.60	18.65	8.24	8.24	8.26	30.87	30.87	30.87	99.9	98.8	99.1	7.65	7.64	7.64	3.75	3.64	3.66	2	2.00
	14:42		Middle	3.5	18.70	18.70		8.28	8.28		30.86	30.86		98.7	98.9		7.63	7.65		3.63	3.63		2	
11/2/17	5:40	Cloudy	Middle	3.0	15.60	15.60	15.55	8.14	8.14	8.15	30.81	30.81	30.82	79.8	79.9	79.0	6.60	6.62	6.54	3.96	3.88	3.88	4	3.50
	5:41		Middle	3.0	15.50	15.50		8.15	8.15		30.83	30.83		78.4	78.0		6.49	6.45		3.85	3.81		3	
13/2/17	8:40	Fine	Middle	3.5	16.80	16.80	16.80	8.18	8.18	8.19	30.62	30.62	30.62	87.6	86.2	85.4	7.07	6.96	6.88	6.46	6.45	6.47	5	6.00
	8:42		Middle	3.5	16.80	16.80		8.20	8.20		30.61	30.61		84.6	83.0		6.82	6.68		6.47	6.51		7	
15/2/17	8:34	Fine	Middle	3.5	16.70	16.70	16.70	8.19	8.19	8.20	30.52	30.52	30.55	88.5	87.9	87.7	7.15	7.10	7.08	3.11	3.10	3.19	10	9.00
	8:36		Middle	3.5	16.70	16.70		8.21	8.21		30.58	30.58		87.4	86.8		7.06	7.01		3.13	3.40		8	
17/2/17	9:55	Fine	Middle	3.5	18.60	18.60	18.65	8.20	8.20	8.21	30.42	30.42	30.42	96.0	96.3	95.9	7.48	7.50	7.47	2.11	1.98	2.00	10	9.50
	9:57		Middle	3.5	18.70	18.70		8.21	8.21		30.41	30.41		96.1	95.1		7.49	7.40		1.99	1.93		9	
20/2/17	11:30	Fine	Middle	3.5	19.20	19.20	19.25	8.09	8.09	8.11	30.57	30.57	30.57	99.4	99.2	98.8	7.66	7.64	7.61	1.87	1.79	1.81	5	6.00
	11:32		Middle	3.5	19.30	19.30		8.12	8.12		30.57	30.57		98.1	98.6		7.55	7.58		1.80	1.78		7	
22/2/17	13:55	Cloudy	Middle	3.5	19.00	19.00	19.05	8.23	8.23	8.25	30.95	30.95	30.95	100.6	100.3	100.4	7.76	7.77	7.75	1.93	1.94	1.98	<2	<2
	13:57		Middle	3.5	19.10	19.10		8.26	8.26		30.94	30.94		100.2	100.3		7.72	7.73		2.01	2.02		<2	
24/2/17	15:05	Cloudy	Middle	3.5	16.70	16.70	16.65	8.26	8.26	8.27	30.76	30.76	30.74	95.9	95.8	95.8	7.75	7.74	7.75	2.63	2.64	2.64	<2	<2
	15:07		Middle	3.5	16.60	16.60		8.29	8.26		30.71	30.71		95.7	95.9		7.74	7.75		2.65	2.65		<2	
27/2/17	20:48	Cloudy	Middle	3.5	17.00	17.00	17.00	8.27	8.27	8.28	31.55	31.55	31.55	85.1	85.4	85.3	6.80	6.82	6.81	3.77	3.52	3.64	4	3.50
	20:49		Middle	3.5	17.00	17.00		8.28	8.28		31.55	31.55		85.4	85.1		6.82	6.80		3.69	3.59		3	

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			
2/2/17	11:55	Fine	Middle	3.5	18.60	18.60	18.55	7.99	7.99	8.01	30.66	30.66	30.67	86.3	85.5	86.3	6.71	6.69	6.73	22.93	22.99	22.32	8	7.50
	11:57		Middle	3.5	18.50	18.50		8.03	8.03		30.68	30.68		86.7	86.8		6.76	6.77		21.70	21.65		7	
4/2/17	9:20	Fine	Middle	3.5	18.50	18.50	18.50	7.99	7.99	8.01	29.45	29.45	29.45	79.8	79.6	79.7	6.28	6.26	6.27	8.38	8.38	8.38	9	10.00
	9:22		Middle	3.5	18.50	18.50		8.02	8.02		29.45	29.45		79.6	79.6		6.26	6.26		8.39	8.36		11	
6/2/17	10:25	Fine	Middle	3.0	19.10	19.10	19.15	7.88	7.88	7.90	29.03	29.03	29.03	86.4	86.7	86.4	6.72	6.74	6.72	7.17	7.10	7.11	10	9.00
	10:27		Middle	3.0	19.20	19.20		7.92	7.92		29.02	29.02		86.3	86.2		6.71	6.70		7.08	7.07		8	
8/2/17	14:35	Fine	Middle	3.5	18.90	18.90	19.00	8.14	8.14	8.19	30.71	30.71	30.71	97.3	97.3	97.3	7.53	7.53	7.52	4.67	4.79	4.74	2	2.00
	14:37		Middle	3.5	19.10	19.10		8.23	8.23		30.70	30.70		96.8	97.7		7.48	7.55		4.79	4.69		2	
11/2/17	5:46	Cloudy	Middle	2.5	15.80	15.80	15.75	8.18	8.18	8.19	29.64	29.64	29.64	81.0	80.9	80.9	6.73	6.73	6.72	3.83	3.78	3.77	2	2.50
	5:47		Middle	2.5	15.70	15.70		8.19	8.19		29.64	29.64		81.0	80.5		6.73	6.69		3.76	3.72		3	
13/2/17	8:36	Fine	Middle	3.5	16.60	16.60	16.63	8.13	8.13	8.15	30.14	30.14	30.16	78.8	78.1	77.9	6.39	6.34	6.32	7.69	7.69	7.68	6	5.50
	8:38		Middle	3.5	16.70	16.60		8.17	8.17		30.18	30.18		77.6	77.2		6.30	6.26		7.68	7.66		5	
15/2/17	8:30	Fine	Middle	3.5	16.70	16.70	16.70	8.13	8.13	8.15	30.59	30.59	30.60	81.3	80.4	80.2	6.57	6.50	6.48	3.02	3.15	3.08	8	7.00
	8:32		Middle	3.5	16.70	16.70		8.17	8.17		30.60	30.60		80.0	79.2		6.46	6.40		3.07	3.07		6	
17/2/17	9:50	Fine	Middle	3.0	19.00	19.00	19.05	8.18	8.18	8.19	30.18	30.18	30.18	96.8	96.0	95.8	7.50	7.43	7.42	2.33	2.33	2.40	8	8.00
	9:52		Middle	3.0	19.10	19.10		8.19	8.19		30.18	30.18		95.9	94.5		7.42	7.31		2.44	2.49		8	
20/2/17	11:25	Fine	Middle	3.5	19.50	19.50	19.75	7.96	7.96	8.01	29.93	29.93	29.93	98.0	97.7	97.4	7.50	7.47	7.44	3.36	3.38	3.39	8	7.50
	11:27		Middle	3.5	20.00	20.00		8.06	8.06		29.92	29.92		97.0	97.0		7.40	7.40		3.40	3.40		7	
22/2/17	13:50	Cloudy	Middle	3.5	19.20	19.20	19.40	8.12	8.12	8.16	30.59	30.59	30.59	101.4	101.8	101.1	7.77	7.80	7.75	2.04	2.08	2.07	<2	<2
	13:52		Middle	3.5	19.60	19.60		8.20	8.20		30.58	30.58		100.4	100.9		7.69	7.72		2.08	2.07		<2	
24/2/17	15:00	Cloudy	Middle	3.5	16.60	16.60	16.50	8.20	8.20	8.22	29.15	29.15	29.16	85.6	86.0	85.3	7.01	7.05	7.04	6.03	6.21	6.19	2	2.50
	15:02		Middle	3.5	16.40	16.40		8.24	8.24		29.16	29.16		86.0	83.7		7.05	7.03		6.23	6.30		3	
27/2/17	20:55	Cloudy	Middle	3.0	17.10	17.10	17.10	8.28	8.28	8.28	30.06	30.06	30.06	75.6	75.7	75.9	6.08	6.09	6.11	5.42	5.31	5.30	3	2.50
	20:56		Middle	3.0	17.10	17.10		8.27	8.27		30.06	30.06		76.0	76.2		6.12	6.13		5.25	5.20		2	



**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				
2/2/17	15:20	Cloudy	Middle	3.5	18.30	18.30	18.30	8.11	8.11	8.12	30.94	30.94	30.94	87.6	87.5	87.8	6.87	6.84	6.87	5.64	5.47	5.49	5	5.50
	15:22		Middle	3.5	18.30	18.30		8.13	8.13		30.94	30.94		88.0	88.0		6.89	6.89		5.44	5.42		6	
4/2/17	19:15	Cloudy	Middle	3.5	18.80	18.80	18.75	8.01	8.01	8.02	29.38	30.38	29.63	90.9	90.6	91.5	7.14	7.10	7.18	5.24	5.26	5.29	4	3.50
	19:16		Middle	3.5	18.70	18.70		8.03	8.03		29.38	29.38		92.5	92.0		7.26	7.23		5.31	5.36		3	
6/2/17	20:41	Cloudy	Middle	3.5	18.00	18.00	18.05	8.00	8.00	8.02	30.92	30.92	30.94	84.3	84.4	84.1	6.62	6.63	6.61	3.67	3.60	3.55	3	2.50
	20:42		Middle	3.5	18.10	18.10		8.04	8.04		30.95	30.95		84.1	83.7		6.60	6.57		3.53	3.40		2	
8/2/17	21:40	Cloudy	Middle	3.5	17.70	17.70	17.70	8.18	8.18	8.15	25.77	25.77	25.77	82.7	82.5	81.7	7.47	7.15	7.31	4.17	4.25	4.21	4	3.50
	21:41		Middle	3.5	17.70	17.70		8.12	8.12		25.76	25.76		81.0	80.7		7.31	7.29		4.20	4.23		3	
11/2/17	11:31	Fine	Middle	3.5	16.90	16.90	16.90	8.23	8.23	8.25	30.77	30.77	30.78	96.2	96.3	95.9	7.74	7.74	7.71	4.81	4.83	4.82	5	5.00
	11:33		Middle	3.5	16.90	16.90		8.26	8.26		30.78	30.78		95.7	95.2		7.69	7.65		4.83	4.82		5	
13/2/17	14:07	Fine	Middle	3.5	18.10	18.10	18.20	8.14	8.14	8.17	30.53	30.53	30.56	89.1	85.1	86.2	7.00	6.68	6.77	3.97	3.88	3.90	4	4.00
	14:09		Middle	3.5	18.30	18.30		8.19	8.19		30.58	30.58		85.8	84.9		6.74	6.67		3.86	3.87		4	
15/2/17	15:07	Fine	Middle	3.5	18.30	18.30	18.40	8.19	8.19	8.20	30.67	30.67	30.62	91.3	90.4	90.5	7.15	7.08	7.09	2.91	2.53	2.64	3	4.00
	15:09		Middle	3.5	18.50	18.50		8.21	8.21		30.57	30.57		89.9	90.3		7.04	7.09		2.55	2.55		5	
17/2/17	15:23	Fine	Middle	3.5	19.10	19.10	19.25	8.04	8.04	8.08	30.40	30.40	30.39	101.8	102.4	101.8	7.84	7.88	7.84	1.94	1.95	1.90	4	4.50
	15:25		Middle	3.5	19.40	19.40		8.11	8.11		30.37	30.37		101.5	101.6		7.81	7.82		1.85	1.87		5	
20/2/17	19:35	Fine	Middle	3.5	19.10	19.10	19.25	7.57	7.57	7.56	30.68	30.68	30.69	85.6	85.9	85.4	6.56	6.58	6.54	4.81	4.88	4.87	4	4.50
	19:36		Middle	3.5	19.40	19.40		7.54	7.54		30.69	30.69		85.6	84.3		6.56	6.45		4.89	4.90		5	
22/2/17	21:21	Cloudy	Middle	3.5	18.70	18.70	18.70	8.05	8.05	8.06	31.32	31.32	31.32	83.6	84.0	83.4	6.35	6.38	6.34	1.91	1.82	1.81	<2	<2
	21:22		Middle	3.5	18.70	18.70		8.07	8.07		31.32	31.32		83.2	82.9		6.32	6.30		1.76	1.73		<2	
24/2/17	22:17	Cloudy	Middle	3.5	16.50	16.50	16.50	8.24	8.24	8.25	31.44	31.44	31.44	84.7	85.9	85.7	6.83	6.94	6.91	1.47	1.39	1.57	<2	3.00
	22:18		Middle	3.5	16.50	16.50		8.25	8.25		31.43	31.44		86.0	86.1		6.93	6.95		1.60	1.80		3	
27/2/17	13:35	Fine	Middle	3.5	17.60	17.60	17.65	8.25	8.25	8.26	31.24	31.24	31.24	100.7	100.8	100.5	7.96	7.97	7.95	5.76	5.55	5.61	10	9.50
	13:37		Middle	3.5	17.70	17.70		8.27	8.27		31.24	31.24		100.6	100.0		7.96	7.92		5.61	5.51		9	

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

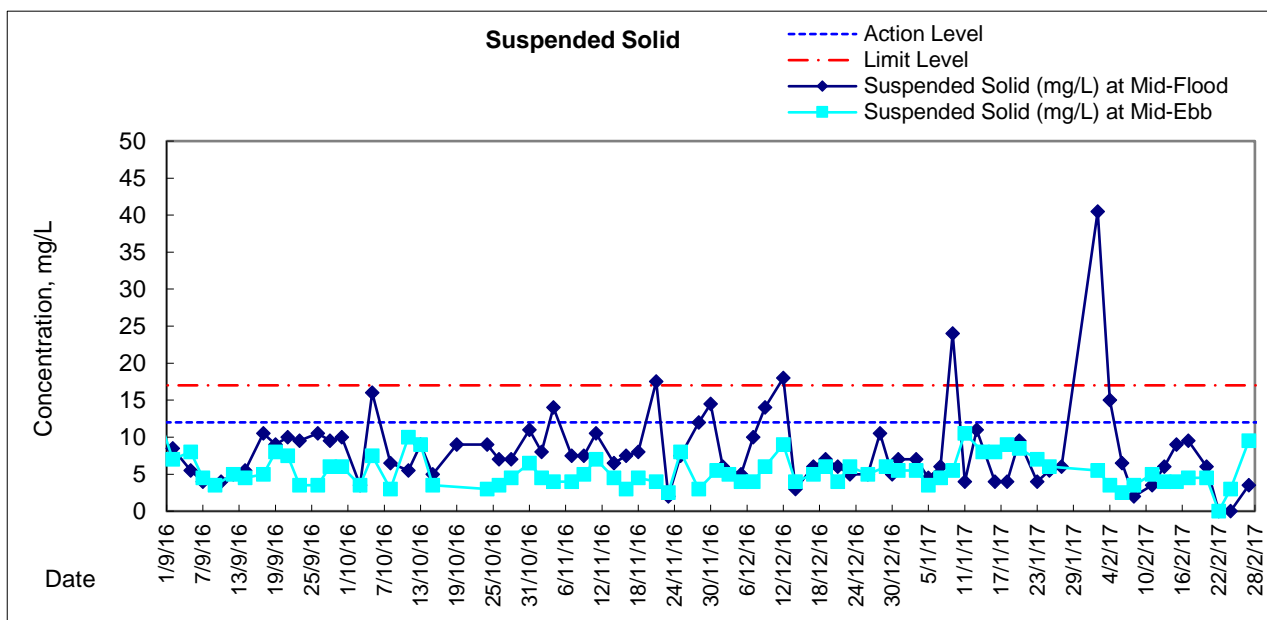
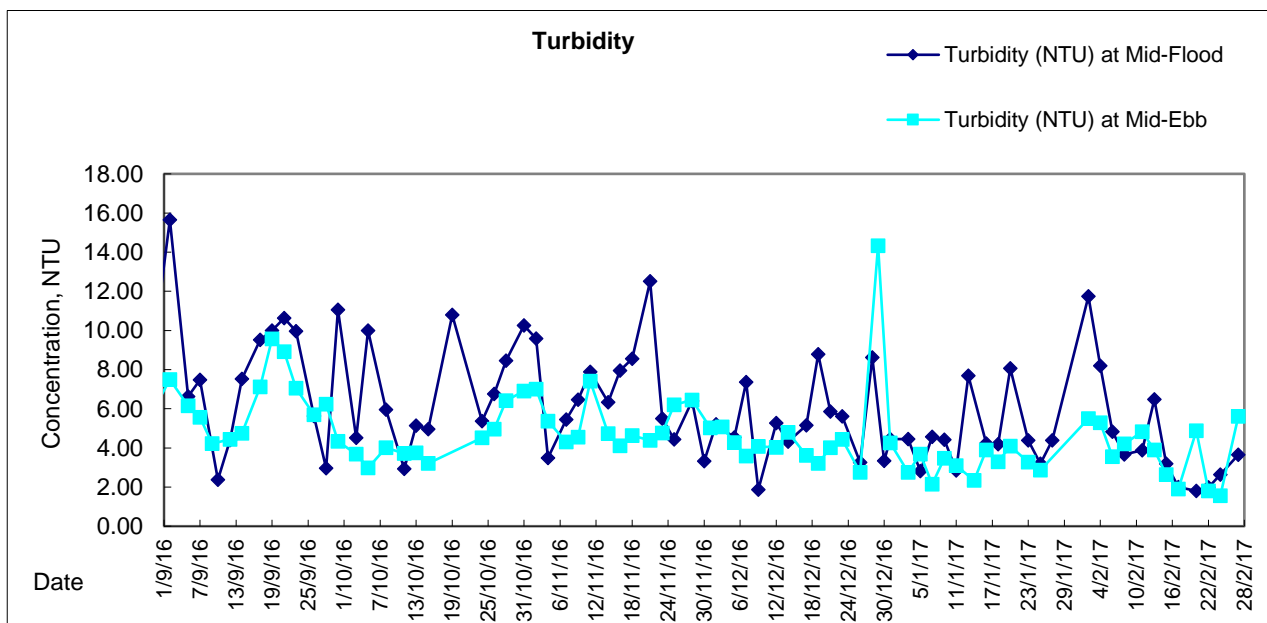
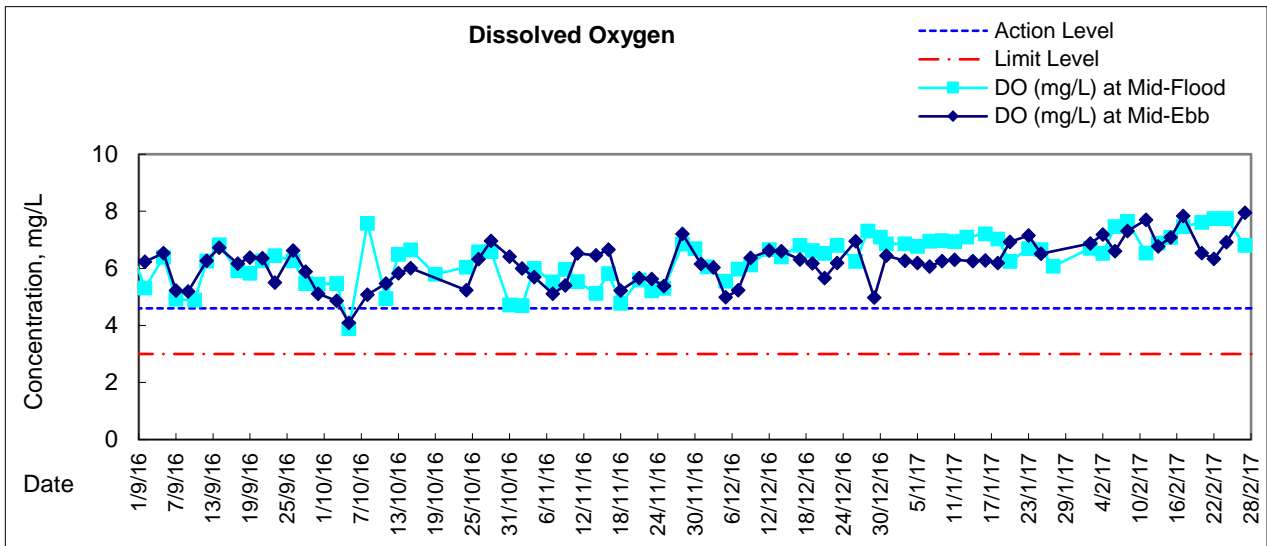


**Water Monitoring Result at Culvert J - Reference Station  
Mid-Ebb Tide**

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				
2/2/17	15:15	Cloudy	Middle	4	18.20	18.20	18.20	8.07	8.07	8.09	30.67	30.67	30.67	83.2	83.4	83.3	6.53	6.54	6.54	5.97	5.90	5.93	5	5.50
	15:17		Middle	4	18.20	18.20		8.10	8.10		30.67	30.67		83.2	83.4		6.53	6.54		5.90	5.94		6	
4/2/17	19:23	Cloudy	Middle	3	18.80	18.80	18.80	8.09	8.09	8.08	26.91	26.91	26.90	93.8	92.6	93.2	7.44	7.32	7.38	9.66	9.71	9.59	5	5.50
	19:24		Middle	3	18.80	18.80		8.06	8.06		26.88	26.88		92.2	94.0		7.31	7.45		9.50	9.48		6	
6/2/17	20:47	Cloudy	Middle	3	18.10	18.10	18.10	8.15	8.15	8.15	27.45	27.45	27.45	76.4	76.1	76.3	6.12	6.09	6.11	6.71	6.83	6.87	3	2.50
	20:48		Middle	3	18.10	18.10		8.15	8.15		27.45	27.45		76.5	76.3		6.13	6.11		6.93	7.02		2	
8/2/17	21:49	Cloudy	Middle	3	17.60	17.60	17.65	8.06	8.06	8.04	26.35	26.35	26.36	64.8	65.9	65.2	5.84	5.94	5.87	3.06	3.08	3.05	4	3.50
	21:50		Middle	3	17.70	17.70		8.01	8.01		26.36	26.36		65.0	64.9		5.85	5.84		3.04	3.02		3	
11/2/17	11:27	Fine	Middle	4	16.80	16.80	16.85	8.09	8.09	8.09	30.46	30.46	30.46	97.7	96.6	95.7	7.88	7.79	7.72	5.64	5.64	5.64	9	9.00
	11:29		Middle	4	16.90	16.90		8.09	8.09		30.46	30.46		94.8	93.6		7.65	7.55		5.64	5.63		9	
13/2/17	14:03	Fine	Middle	4	18.10	18.10	18.10	8.16	8.16	8.17	27.56	27.56	27.55	79.4	78.7	77.8	6.36	6.30	6.23	10.11	10.27	10.15	6	6.50
	14:05		Middle	4	18.10	18.10		8.17	8.17		27.53	27.53		77.1	76.0		6.18	6.07		10.12	10.11		7	
15/2/17	15:03	Fine	Middle	4	18.70	18.70	18.70	8.17	8.17	8.18	29.53	29.53	29.53	82.8	82.1	81.7	6.48	6.43	6.40	4.14	4.11	4.09	7	6.50
	15:05		Middle	4	18.70	18.70		8.19	8.19		29.53	29.53		81.3	80.7		6.36	6.32		4.07	4.05		6	
17/2/17	15:17	Fine	Middle	4	20.10	20.10	20.35	8.10	8.10	8.08	26.85	26.85	26.85	91.4	89.1	89.1	7.04	6.86	6.86	8.99	8.99	8.99	6	5.50
	15:19		Middle	4	20.60	20.60		8.06	8.06		26.84	26.84		88.0	87.8		6.77	6.75		8.99	9.00		5	
20/2/17	19:43	Fine	Middle	3	19.20	19.20	19.30	7.82	7.82	7.79	25.14	25.14	25.14	61.4	62.2	62.2	4.87	4.94	4.94	15.74	15.85	15.64	9	9.00
	19:44		Middle	3	19.40	19.40		7.75	7.76		25.14	25.14		62.4	62.7		4.95	4.98		15.51	15.46		9	
22/2/17	21:27	Cloudy	Middle	3	18.70	18.70	18.75	8.16	8.16	8.16	25.63	25.63	25.64	50.4	50.6	50.8	3.95	3.97	3.98	6.21	6.27	6.26	4	4.00
	21:28		Middle	3	18.80	18.80		8.15	8.16		25.64	25.64		50.9	51.1		3.99	4.01		6.29	6.25		4	
24/2/17	22:10	Cloudy	Middle	3	16.60	16.60	16.65	8.29	8.29	8.30	22.82	22.81	22.81	23.9	24.5	24.6	2.03	2.08	2.09	4.17	4.20	4.16	4	5.00
	22:11		Middle	3	16.70	16.70		8.30	8.30		22.80	22.80		24.9	25.1		2.11	2.12		4.10	4.18		6	
27/2/17	13:30	Fine	Middle	4	17.70	17.70	17.75	8.16	8.16	8.20	31.20	31.20	31.20	103.3	103.4	102.6	8.16	8.16	8.10	2.67	2.60	2.60	3	3.50
	13:32		Middle	4	17.80	17.80		8.23	8.23		31.19	31.19		102.3	101.5		8.05	8.01		2.57	2.55		4	



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





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

