



**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			
2/3/16	10:16	Fine	Middle	3.5	16.30	16.30	16.30	8.57	8.57	8.58	30.70	30.70	30.45	90.1	89.8	89.8	7.34	7.31	7.32	2.96	2.96	2.92	5	5.50
	10:18		Middle	3.5	16.30	16.30		8.59	8.59		30.20	30.20		89.7	89.6		7.31	7.30		2.89	2.88		6	
4/3/16	10:58	Fine	Middle	3.5	18.80	18.80	18.98	8.38	8.38	8.42	30.77	30.77	30.69	98.1	96.2	96.9	7.61	7.46	7.53	2.51	2.51	2.52	3	3.00
	11:00		Middle	3.5	19.00	19.30		8.46	8.46		30.60	30.60		95.1	98.1		7.45	7.60		2.52	2.53		3	
7/3/16	17:06	Cloudy	Middle	3.5	18.00	18.00	18.00	8.57	8.57	8.59	30.29	30.29	30.37	96.3	94.8	93.5	7.60	7.48	7.38	3.28	3.29	3.23	5	4.00
	17:08		Middle	3.5	18.00	18.00		8.61	8.61		30.45	30.45		91.9	91.1		7.25	7.20		3.22	3.14		3	
9/3/16	17:50	Cloudy	Middle	3.5	19.30	19.30	19.15	8.60	8.60	8.62	29.94	29.94	29.93	97.2	95.8	95.0	7.59	7.48	7.41	4.06	4.01	4.02	6	6.00
	17:52		Middle	3.5	19.00	19.00		8.64	8.64		29.92	29.92		94.0	93.0		7.32	7.24		4.00	3.99		6	
11/3/16	13:56	Fine	Middle	3.5	16.60	16.60	16.70	8.57	8.57	8.59	31.10	31.10	31.11	90.6	88.7	88.2	7.29	7.14	7.10	3.02	3.09	3.02	2	3.00
	13:58		Middle	3.5	16.80	16.80		8.60	8.60		31.12	31.12		87.0	86.5		7.00	6.96		3.07	2.89		4	
14/3/16	9:55	Cloudy	Middle	3.5	16.70	16.70	16.70	8.48	8.49	8.51	31.20	31.20	31.23	92.7	91.9	91.4	7.46	7.39	7.35	4.41	4.40	4.40	4	4.00
	9:57		Middle	3.5	16.70	16.70		8.53	8.53		31.25	31.25		90.9	90.0		7.32	7.22		4.40	4.40		4	
16/3/16	10:55	Cloudy	Middle	3.5	16.50	16.50	16.50	8.57	8.57	8.58	31.46	31.46	31.46	88.7	87.5	87.3	7.16	7.07	7.05	3.37	3.37	3.37	2	3.00
	10:57		Middle	3.5	16.50	16.50		8.59	8.59		31.46	31.46		86.8	86.3		7.00	6.97		3.37	3.37		4	
18/3/16	14:00	Cloudy	Middle	3.5	18.90	18.90	18.55	8.41	8.41	8.44	31.23	31.23	31.35	95.1	92.8	92.1	7.44	7.26	7.20	3.45	3.45	3.47	3	3.00
	14:02		Middle	3.5	18.20	18.20		8.48	8.47		31.47	31.47		90.8	89.6		7.10	7.01		3.49	3.50		3	
21/3/16	17:45	Cloudy	Middle	3.5	17.60	17.60	17.65	8.60	8.60	8.61	31.75	31.75	31.76	89.3	89.5	89.3	7.05	7.06	7.05	6.30	6.31	6.23	5	4.50
	17:47		Middle	3.5	17.80	17.60		8.61	8.61		31.76	31.76		89.1	89.4		7.04	7.06		6.16	6.15		4	
23/3/16	16:53	Cloudy	Middle	3.5	18.50	18.50	18.31	8.46	8.46	8.48	31.36	31.47	31.42	86.8	86.5	86.2	6.80	6.77	6.75	6.90	6.54	6.64	5	5.00
	16:55		Middle	3.5	18.11	18.11		8.50	8.50		31.43	31.43		86.1	85.3		6.74	6.67		6.54	6.58		5	
25/3/16	9:14	Cloudy	Middle	3.5	16.00	16.00	16.00	8.34	8.34	8.36	31.20	31.21	31.23	74.7	74.4	74.4	6.10	6.08	6.08	6.22	6.14	6.13	6	6.00
	9:15		Middle	3.5	16.00	16.00		8.38	8.38		31.23	31.27		74.3	74.2		6.07	6.06		6.09	6.07		6	
29/3/16	9:09	Fine	Middle	3.5	16.90	16.90	16.90	8.48	8.48	8.50	31.38	31.38	31.38	94.7	95.0	94.7	7.59	7.61	7.59	5.75	5.64	5.59	3	3.50
	9:11		Middle	3.5	16.90	16.90		8.51	8.51		31.38	31.38		94.5	94.6		7.57	7.58		5.51	5.47		4	
31/3/16	9:55	Fine	Middle	3.0	18.70	18.70	18.80	8.31	8.31	8.34	31.25	31.25	31.24	98.7	98.8	98.3	7.63	7.64	7.61	4.20	4.01	4.10	3	2.50
	9:57		Middle	3.0	18.90	18.90		8.37	8.37		31.23	31.23		98.6	97.1		7.62	7.56		4.12	4.08		2	

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		
			m		°C		-		ppt		%		mg/L		NTU		mg/L							
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average				
2/3/16	10:20	Fine	Middle	3.5	16.40	16.40	16.40	8.50	8.50	8.52	30.32	30.32	30.32	88.1	88.6	88.9	7.18	7.22	7.24	3.39	3.38	3.38	2	2.00
	10:22		Middle	3.5	16.40	16.40		8.54	8.54		30.31	30.31		89.2	89.5		7.27	7.29		3.37	3.39		2	
4/3/16	11:02	Fine	Middle	3.5	18.20	18.20	18.25	8.52	8.52	8.52	28.90	28.90	28.90	92.3	90.3	89.7	7.31	7.16	7.11	6.82	7.05	7.00	4	4.00
	11:04		Middle	3.5	18.30	18.30		8.52	8.52		28.90	28.90		88.6	87.6		7.02	6.94		7.06	7.07		4	
7/3/16	17:02	Cloudy	Middle	3.5	18.30	18.30	18.35	8.46	8.46	8.52	29.15	29.15	29.08	93.6	91.4	94.2	7.40	7.22	7.44	6.01	5.92	5.92	7	6.00
	17:04		Middle	3.5	18.40	18.40		8.57	8.57		29.00	29.00		97.1	94.7		7.65	7.49		5.90	5.84		5	
9/3/16	17:54	Cloudy	Middle	3.5	19.00	19.00	19.10	8.52	8.52	8.56	29.35	29.35	29.32	91.0	89.7	89.6	7.08	6.98	6.97	5.07	5.06	4.96	5	5.50
	17:56		Middle	3.5	19.20	19.20		8.60	8.60		29.28	29.28		88.7	89.0		6.90	6.92		4.86	4.84		6	
11/3/16	14:00	Fine	Middle	3.5	16.60	16.60	16.60	8.56	8.56	8.58	28.50	28.50	28.51	78.7	80.6	80.4	6.45	6.61	6.59	7.93	7.91	7.89	7	7.50
	14:02		Middle	3.5	16.60	16.60		8.59	8.59		28.51	28.51		81.2	80.9		6.66	6.63		7.89	7.82		8	
14/3/16	9:51	Cloudy	Middle	3.5	16.80	16.80	16.80	8.38	8.38	8.42	31.04	31.04	31.04	85.9	84.8	85.0	6.91	6.82	6.83	4.18	4.16	4.16	5	4.50
	9:53		Middle	3.5	16.80	16.80		8.45	8.45		31.04	31.04		84.8	84.3		6.82	6.78		4.15	4.15		4	
16/3/16	10:51	Cloudy	Middle	3.5	16.50	16.50	16.50	8.55	8.55	8.56	30.80	30.80	30.80	76.6	76.7	76.7	6.20	6.21	6.21	3.74	3.74	3.74	4	4.00
	10:53		Middle	3.5	16.50	16.50		8.56	8.56		30.79	30.79		76.7	76.7		6.21	6.21		3.74	3.74		4	
18/3/16	13:56	Cloudy	Middle	3.5	18.80	18.80	18.85	8.35	8.35	8.38	28.48	28.48	28.49	84.9	83.2	82.3	6.67	6.53	6.47	8.89	8.88	8.77	6	5.50
	13:58		Middle	3.5	18.90	18.90		8.41	8.41		28.50	28.50		80.6	80.4		6.37	6.30		8.87	8.45		5	
21/3/16	17:50	Cloudy	Middle	3.5	17.60	17.60	17.60	8.57	8.57	8.57	31.76	31.76	31.76	95.1	95.1	95.2	7.51	7.50	7.51	6.76	6.73	6.76	4	5.00
	17:52		Middle	3.5	17.60	17.60		8.57	8.57		31.76	31.76		95.1	95.4		7.50	7.53		6.77	6.77		6	
23/3/16	16:49	Cloudy	Middle	3.5	18.30	18.30	18.35	8.40	8.40	8.44	29.67	29.67	29.64	87.1	85.8	85.6	6.86	6.75	6.74	8.38	8.32	8.29	6	6.00
	16:51		Middle	3.5	18.40	18.40		8.47	8.47		29.60	29.60		85.1	84.5		6.70	6.65		8.23	8.22		6	
25/3/16	9:30	Cloudy	Middle	3.0	16.20	16.20	16.15	8.57	8.57	8.57	26.85	26.84	26.84	72.5	72.5	72.5	6.06	6.06	6.06	6.56	6.48	6.42	7	6.50
	9:30		Middle	3.0	16.10	16.10		8.56	8.56		26.83	26.83		72.4	72.4		6.06	6.06		6.34	6.30		6	
29/3/16	9:05	Fine	Middle	3.5	17.00	17.00	17.00	8.33	8.33	8.34	30.68	30.68	30.69	98.0	98.1	97.8	7.87	7.92	7.86	5.31	5.11	5.14	4	4.00
	9:07		Middle	3.5	17.00	17.00		8.34	8.34		30.69	30.69		98.2	96.9		7.88	7.77		5.07	5.07		4	
31/3/16	9:50	Fine	Middle	3.0	19.20	19.20	19.35	8.20	8.20	8.24	29.33	29.33	29.33	98.1	97.8	96.7	7.59	7.57	7.48	5.61	5.57	5.58	4	3.50
	9:52		Middle	3.0	19.50	19.50		8.27	8.27		29.33	29.33		94.9	95.9		7.33	7.41		5.54	5.59		3	



**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				
2/3/16	17:28	Fine	Middle	3.5	17.10	17.10	17.15	8.64	8.64	8.66	30.90	30.90	30.89	95.6	94.6	93.9	7.64	7.57	7.51	2.30	2.30	2.31	3	3.00
	17:30		Middle	3.5	17.20	17.20		8.67	8.67		30.88	30.88		93.1	92.1		7.44	7.37		2.32	2.33		3	
4/3/16	20:21	Cloudy	Middle	3.5	19.70	19.70	19.70	8.58	8.58	8.59	30.84	30.84	30.85	84.3	84.5	84.4	6.43	6.44	6.44	4.07	3.47	3.60	5	4.50
	20:22		Middle	3.5	19.70	19.70		8.60	8.60		30.85	30.85		84.7	84.0		6.48	6.39		3.24	3.61		4	
7/3/16	11:23	Cloudy	Middle	3.5	18.10	18.10	18.15	8.58	8.58	8.59	30.58	30.58	30.57	93.2	92.9	92.0	7.32	7.25	7.22	1.79	1.77	1.78	2	2.50
	11:25		Middle	3.5	18.20	18.20		8.60	8.60		30.55	30.55		91.4	90.6		7.18	7.11		1.77	1.77		3	
9/3/16	11:00	Rainy	Middle	3.5	19.10	19.10	19.25	8.39	8.39	8.44	30.48	30.48	30.48	94.9	93.7	93.8	7.31	7.20	7.22	2.64	2.56	2.59	4	4.00
	11:02		Middle	3.5	19.40	19.40		8.49	8.49		30.48	30.48		93.4	93.0		7.19	7.17		2.53	2.64		4	
11/3/16	8:30	Fine	Middle	3.5	15.10	15.10	15.40	8.59	8.59	8.60	30.57	30.57	30.70	91.0	89.6	88.9	7.49	7.37	7.31	4.42	4.23	4.18	2	2.50
	8:32		Middle	3.5	15.70	15.70		8.61	8.61		30.83	30.83		88.0	86.8		7.24	7.14		4.04	4.02		3	
14/3/16	16:05	Cloudy	Middle	3.5	16.70	16.70	16.70	8.55	8.55	8.57	31.20	31.20	31.20	98.9	99.2	98.5	7.96	7.99	7.93	3.35	3.36	3.34	3	2.50
	16:07		Middle	3.5	16.70	16.70		8.59	8.59		31.20	31.20		98.4	97.5		7.93	7.85		3.34	3.32		2	
16/3/16	20:25	Cloudy	Middle	3.0	16.60	16.60	16.60	8.61	8.61	8.63	31.68	31.68	39.18	69.1	68.1	66.9	5.56	5.49	5.38	3.88	3.83	3.78	4	4.00
	20:26		Middle	3.0	16.60	16.60		8.64	8.64		31.68	31.68		65.6	64.8		5.26	5.22		3.72	3.68		4	
18/3/16	20:15	Cloudy	Middle	3.5	19.80	19.80	19.80	8.52	8.52	8.53	31.92	31.92	31.92	76.5	76.7	76.4	5.77	5.75	5.74	3.11	3.08	3.07	5	4.50
	20:16		Middle	3.5	19.80	19.80		8.54	8.54		31.92	31.92		76.2	76.2		5.72	5.71		3.06	3.03		4	
21/3/16	11:11	Fine	Middle	3.0	17.20	17.20	17.20	8.49	8.49	8.52	32.03	32.03	32.03	96.7	96.4	96.2	7.67	7.65	7.63	4.88	4.90	4.88	4	5.00
	11:13		Middle	3.0	17.20	17.20		8.55	8.55		32.03	32.03		95.9	95.7		7.61	7.59		4.87	4.85		6	
23/3/16	11:12	Cloudy	Middle	3.5	17.70	17.70	17.75	8.44	8.44	8.47	31.75	31.75	31.74	87.7	86.4	86.4	6.90	6.79	6.79	5.38	5.36	5.36	3	3.00
	11:14		Middle	3.5	17.80	17.80		8.50	8.50		31.72	31.72		85.8	85.6		6.75	6.72		5.34	5.34		3	
25/3/16	12:30	Cloudy	Middle	3.5	15.90	15.90	15.90	8.53	8.53	8.54	31.84	31.84	31.84	82.2	82.5	82.9	6.70	6.73	6.76	4.84	4.70	4.82	4	4.00
	12:31		Middle	3.5	15.90	15.90		8.54	8.54		31.84	31.83		83.2	83.6		6.79	6.82		4.80	4.95		4	
29/3/16	14:04	Fine	Middle	3.5	17.60	17.60	17.45	8.47	8.47	8.49	31.56	31.56	31.57	90.0	87.6	87.8	7.12	6.95	6.96	4.58	4.41	4.43	3	3.00
	14:06		Middle	3.5	17.30	17.30		8.50	8.50		31.58	31.58		87.0	86.6		6.90	6.88		4.37	4.35		3	
31/3/16	17:50	Fine	Middle	3.5	19.30	19.30	19.35	8.33	8.33	8.36	31.33	31.33	31.30	88.6	90.3	90.6	6.77	6.91	6.93	4.08	4.35	4.15	4	5.00
	17:52		Middle	3.5	19.40	19.40		8.39	8.39		31.27	31.27		91.9	91.5		7.04	7.00		4.12	4.04		6	

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

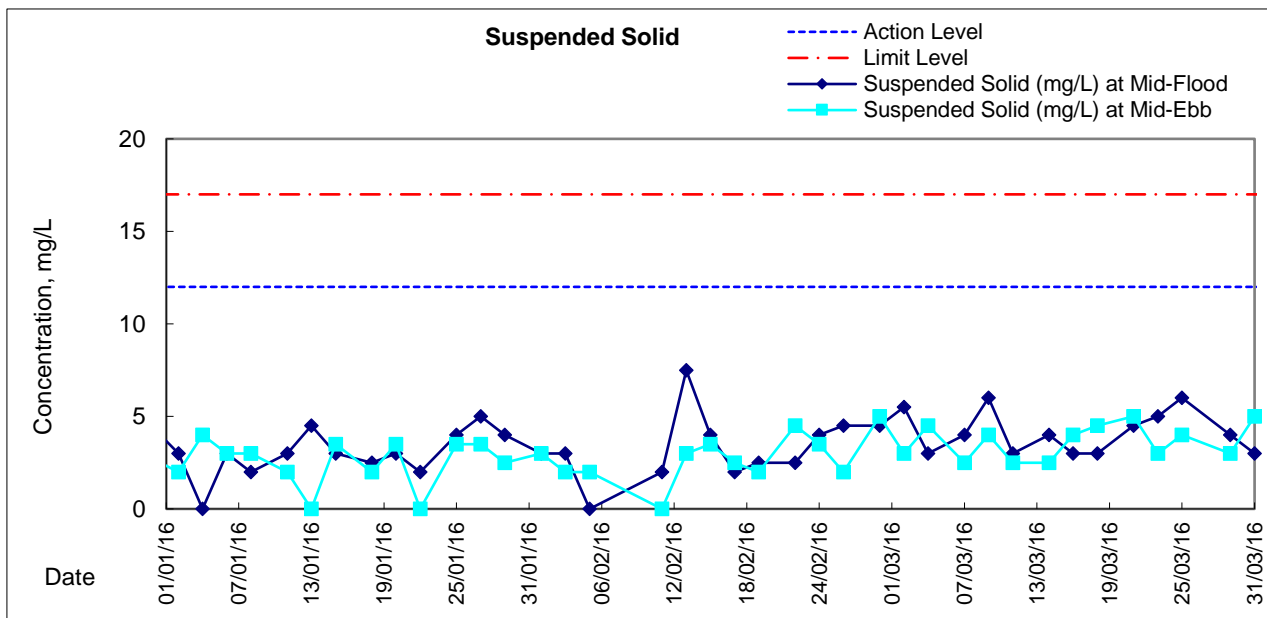
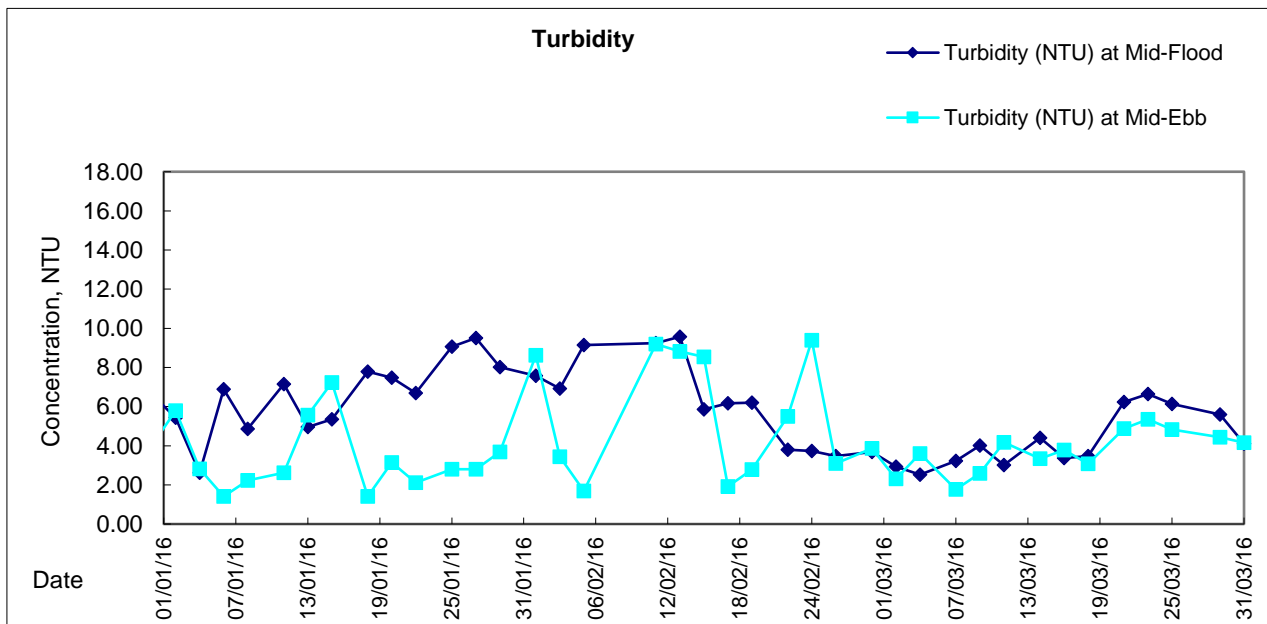
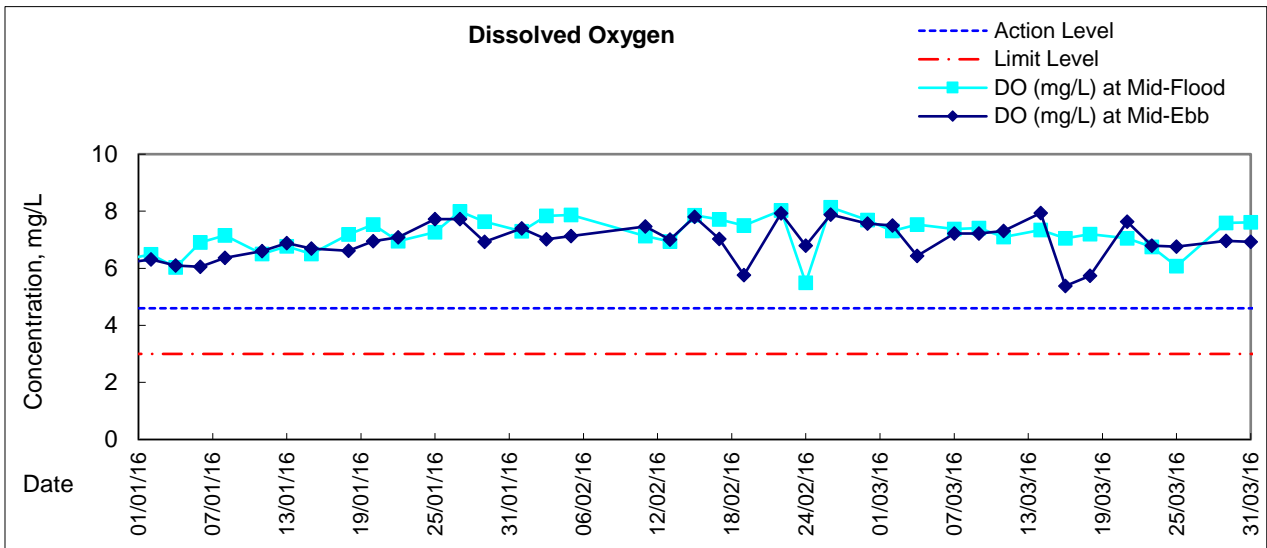


**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

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				
2/3/16	17:32	Fine	Middle	4	17.20	17.20	17.30	8.52	8.52	8.56	30.97	30.97	30.91	105.1	104.7	105.2	8.39	8.38	8.40	2.11	2.13	2.13	5	4.50
	17:34		Middle	4	17.40	17.40		8.59	8.59		30.84	30.84		105.3	105.6		8.40	8.42		2.13	2.14		4	
4/3/16	20:32	Cloudy	Middle	3	19.80	19.80	19.80	8.60	8.64	8.60	24.63	24.63	24.63	17.8	18.0	18.1	1.40	1.43	1.43	10.52	9.73	9.98	7	7.50
	20:33		Middle	3	19.80	19.80		8.57	8.57		24.63	24.63		18.3	18.4		1.45	1.45		10.07	9.61		8	
7/3/16	11:19	Cloudy	Middle	4	18.60	18.60	18.75	8.47	8.47	8.50	30.42	30.42	30.40	102.6	102.1	99.0	7.99	7.94	7.70	2.75	2.76	2.76	3	3.00
	11:21		Middle	4	18.90	18.90		8.53	8.53		30.37	30.37		96.3	94.8		7.49	7.37		2.75	2.78		3	
9/3/16	11:04	Rainy	Middle	4	19.10	19.10	19.15	8.53	8.53	8.53	27.65	27.65	27.64	83.9	82.4	81.3	6.58	6.47	6.37	8.09	8.08	8.09	6	5.50
	11:06		Middle	4	19.20	19.20		8.52	8.52		27.62	27.62		80.1	78.7		6.28	6.16		8.07	8.13		5	
11/3/16	8:26	Fine	Middle	4	15.30	15.30	15.25	8.54	8.54	8.56	30.62	30.62	30.65	80.0	79.7	79.6	6.64	6.62	6.61	4.15	4.15	4.20	5	4.00
	8:28		Middle	4	15.20	15.20		8.58	8.58		30.68	30.68		79.5	79.3		6.60	6.58		4.24	4.26		3	
14/3/16	16:00	Cloudy	Middle	3	16.80	16.80	16.80	8.44	8.44	8.49	29.58	29.58	29.58	96.3	99.7	97.9	7.81	8.09	7.95	5.97	5.95	5.94	3	3.00
	16:02		Middle	3	16.80	16.80		8.54	8.54		29.58	29.58		98.3	97.4		7.98	7.90		5.92	5.90		3	
16/3/16	20:35	Cloudy	Middle	3	17.10	17.10	17.10	8.67	8.67	8.67	25.40	25.41	25.41	53.0	53.1	53.2	4.38	4.37	4.39	15.68	15.66	15.66	11	11.00
	20:36		Middle	3	17.10	17.10		8.66	8.66		25.41	25.41		53.2	53.3		4.41	4.41		15.65	15.65		11	
18/3/16	20:25	Cloudy	Middle	3	19.70	19.70	19.75	8.66	8.66	8.64	28.67	28.67	28.66	74.1	74.4	73.9	5.71	5.73	5.69	8.22	8.18	8.19	7	6.00
	20:26		Middle	3	19.80	19.80		8.62	8.62		28.65	28.65		73.7	73.2		5.68	5.64		8.26	8.08		5	
21/3/16	11:07	Fine	Middle	3	17.30	17.30	17.35	8.33	8.33	8.34	30.55	30.55	30.55	100.5	99.5	99.0	8.03	7.95	7.91	6.14	6.21	6.20	7	6.00
	11:09		Middle	3	17.40	17.40		8.34	8.34		30.55	30.55		98.3	97.6		7.85	7.81		6.25	6.21		5	
23/3/16	11:16	Cloudy	Middle	4	17.70	17.70	17.70	8.54	8.54	8.54	29.53	29.53	29.54	80.5	79.0	78.7	6.42	6.30	6.27	7.18	7.19	7.20	6	5.50
	11:18		Middle	4	17.70	17.70		8.54	8.54		29.54	29.54		78.0	77.1		6.21	6.15		7.21	7.21		5	
25/3/16	12:45	Cloudy	Middle	3	15.90	15.90	15.85	8.59	8.59	8.59	30.32	30.32	30.32	81.6	81.0	81.3	6.72	6.67	6.70	4.94	5.00	4.95	5	5.00
	12:46		Middle	3	15.80	15.80		8.58	8.58		30.31	30.31		81.3	81.4		6.70	6.70		4.98	4.87		5	
29/3/16	14:00	Fine	Middle	4	17.80	17.80	17.80	8.46	8.46	8.47	30.41	30.41	30.43	77.3	78.7	79.0	6.12	6.23	6.26	5.57	5.60	5.60	4	4.00
	14:02		Middle	4	17.80	17.80		8.48	8.48		30.44	30.44		79.8	80.3		6.32	6.35		5.61	5.61		4	
31/3/16	17:54	Fine	Middle	4	19.30	19.30	19.30	8.43	8.43	8.45	30.98	30.96	30.95	86.2	85.1	85.2	6.63	6.54	6.55	4.41	4.40	4.42	3	3.50
	17:56		Middle	4	19.30	19.30		8.47	8.47		30.93	30.93		84.8	84.6		6.52	6.50		4.40	4.46		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

