



**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		
					Value	Average		Value	Average		Value	Average		Value	Average		Value	Average		Value	Average	Value	Average	Value
1/3/17	7:55	Fine	Middle	3.5	17.00	17.00	17.00	8.22	8.22	8.24	31.15	31.15	31.15	96.1	96.3	96.0	7.70	7.71	7.69	3.45	3.56	3.55	5	4.50
	7:57		Middle	3.5	17.00	17.00		8.25	8.25		31.15	31.15		95.9	95.7		7.68	7.67		3.59	3.60		4	
3/3/17	8:25	Fine	Middle	3.5	17.00	17.00	17.00	8.25	8.25	8.26	31.07	31.07	31.07	98.0	98.0	97.9	7.86	7.86	7.85	4.47	4.48	4.47	6	5.00
	8:27		Middle	3.5	17.00	17.00		8.27	8.27		31.07	31.07		97.8	97.6		7.84	7.83		4.46	4.46		4	
6/3/17	10:45	Cloudy	Middle	3.5	19.00	19.00	19.10	8.16	8.16	8.17	31.19	31.19	31.19	96.7	96.9	96.7	7.43	7.45	7.43	0.63	0.63	0.64	2	3.00
	10:47		Middle	3.5	19.20	19.20		8.18	8.18		31.18	31.18		96.8	96.4		7.44	7.41		0.64	0.64		4	
8/3/17	13:50	Fine	Middle	3.5	18.00	18.00	18.00	8.25	8.25	8.27	31.58	31.58	31.58	95.4	95.3	94.7	7.48	7.47	7.40	0.39	0.47	0.43	4	4.50
	13:52		Middle	3.5	18.00	18.00		8.28	8.28		31.58	31.58		94.3	93.6		7.39	7.24		0.40	0.45		5	
11/3/17	17:13	Cloudy	Middle	3.5	18.40	18.40	18.35	8.26	8.26	8.27	31.67	31.67	31.73	82.8	82.1	82.4	6.45	6.39	6.42	4.34	4.26	4.28	2	2.50
	17:15		Middle	3.5	18.30	18.30		8.28	8.28		31.78	31.78		82.3	82.3		6.41	6.41		4.24	4.29		3	
13/3/17	5:11	Cloudy	Middle	3.0	19.00	19.00	19.00	7.73	7.73	7.76	31.64	31.64	31.64	78.4	78.9	78.6	6.02	6.07	6.04	2.82	2.80	2.81	3	3.00
	5:12		Middle	3.0	19.00	19.00		7.78	7.78		31.64	31.64		78.5	78.6		6.03	6.04		2.79	2.84		<2	
15/3/17	8:12	Cloudy	Middle	3.5	17.50	17.50	17.55	8.23	8.23	8.25	31.50	31.50	31.56	84.4	84.4	83.6	6.67	6.67	6.60	2.16	2.12	2.12	5	5.00
	8:14		Middle	3.5	17.60	17.60		8.26	8.26		31.61	31.61		83.8	81.6		6.62	6.44		2.10	2.09		5	
17/3/17	8:35	Fine	Middle	3.5	17.90	17.90	17.90	8.23	8.23	8.24	31.72	31.72	31.73	92.4	91.7	91.8	7.24	7.19	7.20	2.46	2.48	2.48	5	5.00
	8:37		Middle	3.5	17.90	17.90		8.25	8.25		31.73	31.73		92.0	91.0		7.22	7.14		2.49	2.48		5	
20/3/17	10:25	Fine	Middle	3.5	19.50	19.50	19.60	8.17	8.17	8.19	31.59	31.59	31.59	98.9	98.8	98.5	7.50	7.50	7.48	1.53	1.56	1.55	5	4.50
	10:27		Middle	3.5	19.70	19.70		8.20	8.20		31.58	31.58		98.3	97.9		7.47	7.43		1.59	1.53		4	
22/3/17	8:24	Fine	Middle	3.5	18.70	18.70	18.70	8.32	8.32	8.32	32.15	32.15	32.15	95.3	95.8	95.3	7.35	7.39	7.35	5.78	5.76	5.76	27	<u>18.50</u>
	8:26		Middle	3.5	18.70	18.70		8.31	8.31		32.14	32.14		94.8	95.1		7.31	7.33		5.76	5.74		10	
24/3/17	11:20	Fine	Middle	3.0	19.50	19.50	19.60	8.25	8.25	8.27	32.29	32.29	32.29	99.3	99.6	99.5	7.52	7.54	7.54	4.51	4.38	4.49	<2	<2
	11:22		Middle	3.0	19.70	19.70		8.29	8.29		32.28	32.28		99.7	99.5		7.55	7.55		4.57	4.50		<2	
27/3/17	16:55	Fine	Middle	3.5	19.00	19.00	19.15	8.20	8.20	8.22	32.07	32.17	32.16	96.5	97.1	97.0	7.35	7.43	7.41	4.76	4.64	4.67	6	5.00
	16:57		Middle	3.5	19.30	19.30		8.23	8.23		32.19	32.19		97.1	97.1		7.43	7.43		4.64	4.65		4	
29/3/17	20:00	Cloudy	Middle	3.0	20.40	20.40	20.40	8.17	8.17	8.18	32.31	32.31	32.31	85.8	85.7	85.5	6.40	6.39	6.38	6.84	6.69	6.68	5	5.50
	20:01		Middle	3.0	20.40	20.40		8.18	8.18		32.31	32.31		85.2	85.3		6.36	6.36		6.68	6.50		6	
31/3/17	8:35	Fine	Middle	3.5	20.60	20.60	20.65	8.17	8.17	8.18	31.63	31.63	31.66	92.8	93.1	92.1	6.91	6.94	6.86	4.69	4.69	4.66	7	8.00
	8:37		Middle	3.5	20.70	20.70		8.19	8.19		31.68	31.68		92.5	90.1		6.89	6.71		4.65	4.61		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-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			
1/3/17	7:50	Fine	Middle	3.5	17.40	17.40	17.45	8.16	8.16	8.19	28.86	28.86	28.85	91.2	90.9	89.6	7.35	7.32	7.21	2.56	2.56	2.57	3	3.50
	7:52		Middle	3.5	17.50	17.50		8.22	8.22		28.84	28.84		87.9	88.2		7.07	7.09		2.57	2.58		4	
3/3/17	8:20	Fine	Middle	3.5	17.00	17.00	17.00	8.18	8.18	8.20	30.87	30.87	30.88	97.4	96.9	96.1	7.81	7.75	7.70	3.58	3.41	3.43	4	4.00
	8:22		Middle	3.5	17.00	17.00		8.23	8.22		30.88	30.88		95.2	94.9		7.63	7.61		3.41	3.33		4	
6/3/17	10:40	Cloudy	Middle	3.5	19.70	19.70	19.80	8.12	8.12	8.14	30.73	30.73	30.73	90.9	91.6	91.3	6.93	6.99	6.95	1.50	1.35	1.39	2	2.00
	10:42		Middle	3.5	19.90	19.90		8.15	8.15		30.73	30.73		91.1	91.4		6.93	6.95		1.35	1.37		2	
8/3/17	13:45	Fine	Middle	3.0	18.10	18.10	18.10	8.18	8.18	8.21	30.28	30.28	30.28	93.5	91.0	92.2	7.31	7.17	7.25	2.10	2.00	2.03	9	8.50
	13:47		Middle	3.0	18.10	18.10		8.24	8.24		30.28	30.28		92.0	92.2		7.25	7.27		1.99	2.02		8	
11/3/17	17:09	Cloudy	Middle	3.5	18.30	18.30	18.30	8.20	8.20	8.22	31.92	31.92	31.91	86.9	86.2	85.7	6.76	6.70	6.67	6.14	6.02	6.05	3	3.00
	17:11		Middle	3.5	18.30	18.30		8.24	8.24		31.90	31.90		85.7	84.1		6.67	6.54		6.02	6.02		3	
13/3/17	5:17	Cloudy	Middle	2.5	19.00	19.00	19.00	7.74	7.74	7.75	30.87	30.87	30.87	72.0	70.9	71.1	5.56	5.47	5.50	5.13	5.10	5.08	2	2.00
	5:18		Middle	2.5	19.00	19.00		7.76	7.76		30.87	30.87		70.0	71.4		5.45	5.52		5.06	5.02		2	
15/3/17	8:08	Cloudy	Middle	3.5	17.60	17.60	17.60	8.21	8.21	8.23	30.68	30.68	30.67	82.8	83.3	82.7	6.57	6.62	6.57	2.39	2.35	2.35	4	4.50
	8:10		Middle	3.5	17.60	17.60		8.24	8.24		30.66	30.66		82.7	82.1		6.57	6.52		2.33	2.32		5	
17/3/17	8:30	Fine	Middle	3.5	19.00	19.00	19.05	8.14	8.14	8.18	31.57	31.57	31.57	102.7	102.4	101.9	8.05	8.02	7.98	2.40	2.41	2.41	4	4.00
	8:32		Middle	3.5	19.10	19.10		8.21	8.21		31.57	31.57		102.1	100.4		8.00	7.86		2.41	2.41		4	
20/3/17	10:20	Fine	Middle	3.0	19.70	19.70	19.80	8.02	8.02	8.08	31.46	31.46	31.45	101.5	101.5	100.7	7.67	7.63	7.60	2.56	2.59	3.86	6	5.00
	10:22		Middle	3.0	19.90	19.90		8.14	8.14		31.44	31.44		100.1	99.7		7.56	7.52		2.69	2.59		4	
22/3/17	8:20	Fine	Middle	3.5	18.80	18.80	18.90	8.21	8.21	8.25	32.18	32.18	32.17	100.2	98.0	98.0	7.69	7.52	7.52	5.91	5.99	5.99	5	5.50
	8:22		Middle	3.5	19.00	19.00		8.29	8.29		32.15	32.15		97.2	96.7		7.46	7.42		6.05	6.01		6	
24/3/17	11:15	Fine	Middle	3.0	20.10	20.10	20.05	8.13	8.13	8.17	31.02	31.02	31.26	103.2	103.4	102.6	7.83	7.84	7.78	7.53	7.53	7.53	4	3.00
	11:17		Middle	3.0	20.00	20.00		8.21	8.21		31.99	30.99		102.3	101.5		7.75	7.69		7.53	7.53		2	
27/3/17	16:50	Fine	Middle	3.0	19.30	19.30	19.30	8.17	8.17	8.19	31.40	31.40	31.40	95.5	95.5	95.4	7.31	7.31	7.30	5.50	5.41	5.44	4	4.50
	16:52		Middle	3.0	19.30	19.30		8.20	8.20		31.40	31.40		95.4	95.1		7.30	7.27		5.41	5.43		5	
29/3/17	20:05	Cloudy	Middle	2.5	20.40	20.40	20.40	8.21	8.21	8.21	28.20	28.20	28.20	73.9	75.7	74.3	5.65	5.77	5.67	11.02	11.00	10.98	9	9.00
	20:06		Middle	2.5	20.40	20.40		8.21	8.21		28.19	28.19		73.8	73.7		5.63	5.63		10.99	10.90		9	
31/3/17	8:30	Fine	Middle	3.0	20.70	20.70	20.80	8.08	8.08	8.12	31.66	31.66	31.65	93.2	93.0	91.9	6.92	6.89	6.81	2.93	2.93	2.93	6	6.00
	8:32		Middle	3.0	20.90	20.90		8.15	8.15		31.64	31.64		91.1	90.1		6.76	6.68		2.93	2.93		6	



**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	Value	Average		
1/3/17	13:50	Fine	Middle	3.5	18.00	18.00	18.10	8.25	8.25	8.26	31.29	31.29	31.29	98.7	98.9	99.0	7.73	7.75	7.75	3.31	3.21	3.21	4	4.50
	13:52		Middle	3.5	18.20	18.20		8.26	8.26		31.29	31.29		99.1	99.3		7.76	7.77		3.17	3.16		5	
3/3/17	14:50	Fine	Middle	3.0	17.90	17.90	18.00	8.16	8.16	8.19	31.19	31.19	31.19	98.8	99.1	98.8	7.76	7.79	7.76	2.82	2.80	2.80	7	7.50
	14:52		Middle	3.0	18.10	18.10		8.22	8.22		31.18	31.18		98.8	98.5		7.75	7.73		2.78	2.78		8	
6/3/17	19:51	Cloudy	Middle	3.0	18.50	18.50	18.55	7.98	7.98	7.98	31.23	31.23	31.23	80.1	81.4	80.8	6.21	6.32	6.27	4.21	4.18	4.09	3	2.50
	19:52		Middle	3.0	18.60	18.60		7.98	7.98		31.23	31.23		80.4	81.2		6.24	6.29		4.00	3.95		2	
8/3/17	21:46	Cloudy	Middle	3.0	17.80	17.80	17.80	7.87	7.87	7.88	31.95	31.95	31.95	84.1	83.8	83.8	6.72	6.71	6.71	2.51	2.49	2.47	<2	2.00
	21:47		Middle	3.0	17.80	17.80		7.90	7.89		31.94	31.94		84.0	83.4		6.72	6.67		2.53	2.33		2	
11/3/17	11:27	Cloudy	Middle	3.5	18.10	18.10	18.10	8.26	8.26	8.29	31.94	31.94	31.94	89.6	90.7	92.4	6.95	7.07	7.18	2.61	2.57	2.57	4	4.00
	11:29		Middle	3.5	18.10	18.10		8.32	8.32		31.94	31.94		94.7	94.6		7.34	7.34		2.56	2.55		4	
13/3/17	13:59	Cloudy	Middle	3.5	20.20	20.20	20.30	8.26	8.26	8.26	31.84	31.83	31.82	86.7	87.7	87.0	5.13	6.73	6.19	6.44	6.33	6.34	8	7.50
	14:01		Middle	3.5	20.30	20.50		8.26	8.26		31.81	31.81		86.1	87.5		6.43	6.46		6.36	6.21		7	
15/3/17	13:50	Cloudy	Middle	3.0	17.70	17.70	17.70	8.27	8.27	8.29	31.82	31.82	31.82	95.2	95.0	95.5	7.49	7.47	7.51	1.41	1.42	1.43	3	3.50
	13:52		Middle	3.0	17.70	17.70		8.31	8.31		31.82	31.82		95.7	96.0		7.53	7.55		1.42	1.48		4	
17/3/17	14:10	Fine	Middle	3.0	18.70	18.70	18.70	8.24	8.24	8.25	31.54	31.54	31.65	97.2	97.5	97.3	7.51	7.53	7.52	2.10	2.09	2.02	3	4.00
	14:12		Middle	3.0	18.70	18.70		8.26	8.26		31.76	31.76		97.6	97.0		7.54	7.49		1.94	1.94		5	
20/3/17	15:40	Fine	Middle	3.5	20.70	20.70	20.85	8.18	8.18	8.20	31.62	31.62	31.56	99.8	99.9	100.0	7.43	7.43	7.44	2.33	2.44	2.42	3	3.50
	15:42		Middle	3.5	21.00	21.00		8.22	8.22		31.63	31.36		100.1	100.2		7.44	7.44		2.47	2.42		4	
22/3/17	19:52	Cloudy	Middle	3.5	18.80	18.90	18.88	8.10	8.10	8.11	32.55	32.55	32.55	86.2	85.7	85.4	6.60	6.56	6.54	3.21	3.10	3.14	2	2.50
	19:53		Middle	3.5	18.90	18.90		8.13	8.12		32.55	32.55		85.3	84.3		6.53	6.46		3.13	3.12		3	
24/3/17	22:05	Cloudy	Middle	3.5	21.40	21.40	21.45	8.20	8.20	8.20	32.54	32.54	32.54	80.4	82.0	81.3	5.58	5.97	5.86	3.35	3.28	3.28	4	4.50
	22:06		Middle	3.5	21.50	21.50		8.20	8.20		32.54	32.54		81.2	81.5		5.93	5.96		3.26	3.24		5	
27/3/17	14:17	Fine	Middle	3.0	19.50	19.50	19.50	8.08	8.08	8.14	32.29	32.29	32.30	104.8	103.5	103.0	7.96	7.92	7.83	5.18	5.09	5.11	5	6.00
	14:19		Middle	3.0	19.50	19.50		8.20	8.20		32.31	32.31		102.1	101.5		7.75	7.70		5.08	5.08		7	
29/3/17	11:20	Fine	Middle	3.5	19.80	19.80	19.85	8.28	8.28	8.29	32.34	32.34	32.33	93.8	94.2	93.7	7.05	7.08	7.04	4.31	4.32	4.35	6	6.50
	11:22		Middle	3.5	19.90	19.90		8.29	8.29		32.32	32.32		93.4	93.2		7.02	7.01		4.32	4.45		7	
31/3/17	14:35	Cloudy	Middle	3.0	20.10	20.10	20.10	8.20	8.20	8.21	31.69	31.69	31.69	94.4	94.6	93.7	7.11	7.12	7.06	4.00	3.96	3.93	5	5.00
	14:37		Middle	3.0	20.10	20.10		8.21	8.21		31.68	31.68		93.5	92.4		7.03	6.96		3.89	3.87		5	

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

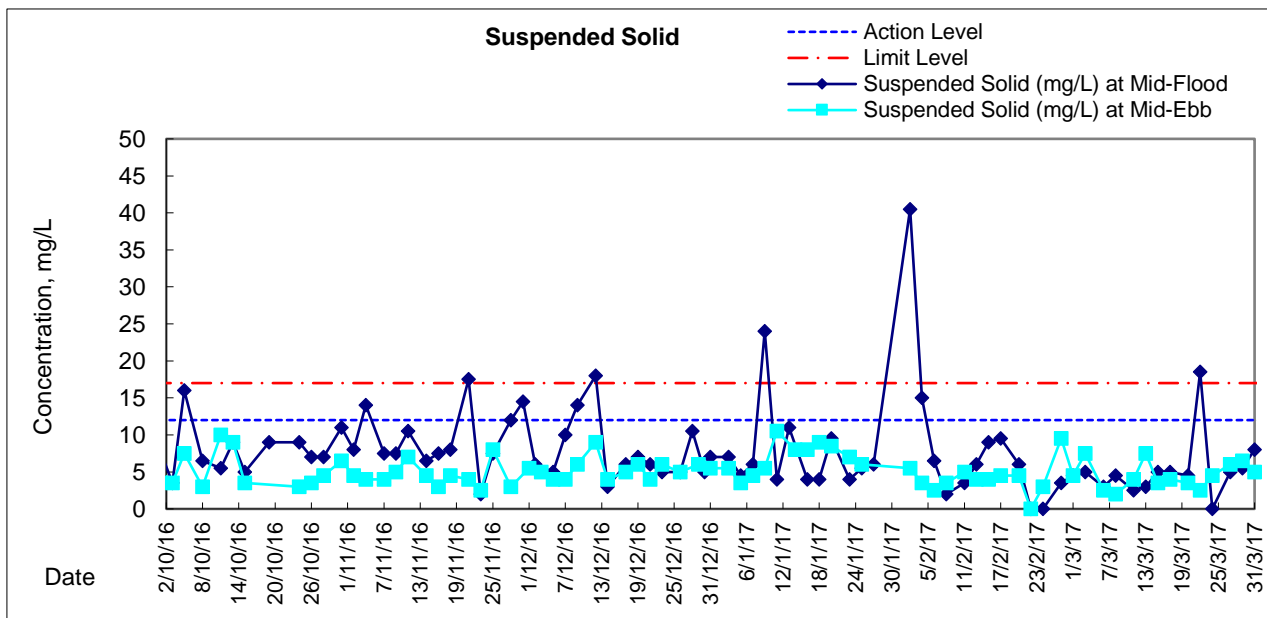
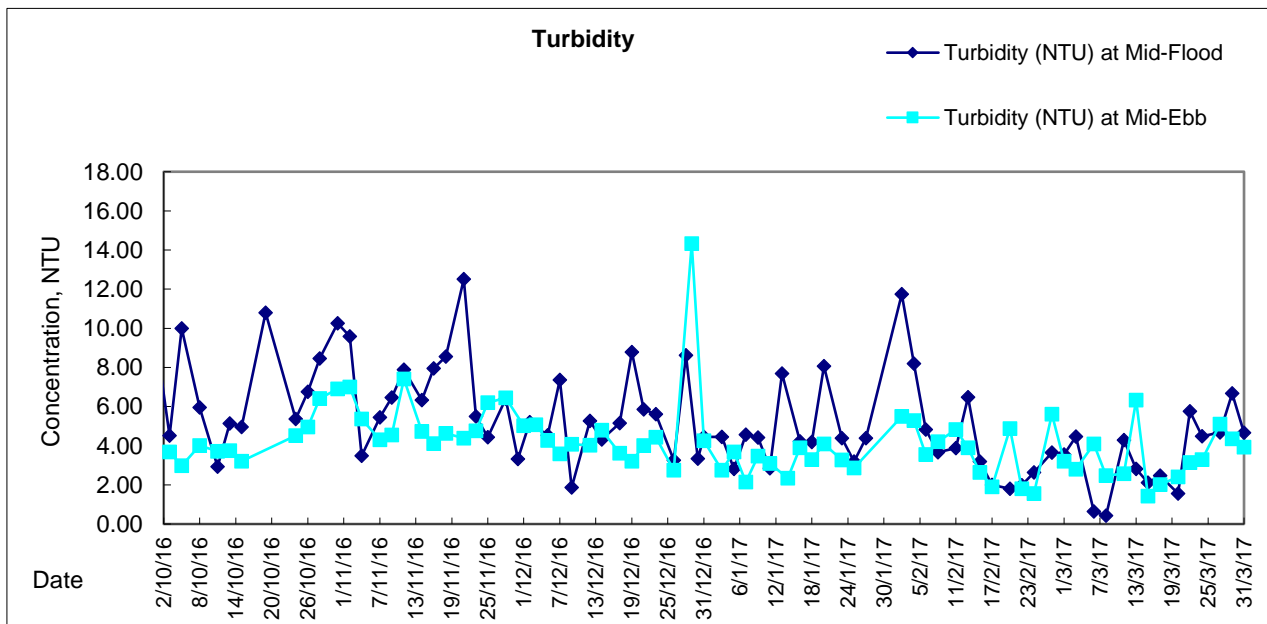
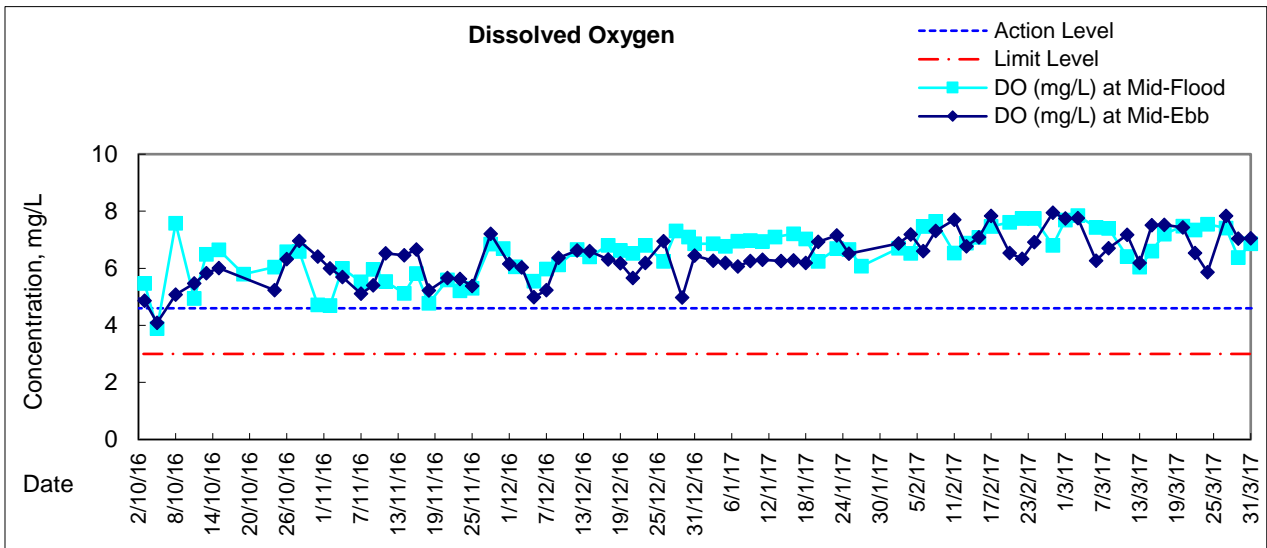


**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

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				
1/3/17	13:45	Fine	Middle	4	18.30	18.30	18.40	8.22	8.22	8.23	30.76	30.76	30.75	95.7	95.3	95.6	7.47	7.44	7.46	4.43	4.39	4.44	2	3.00
	13:47		Middle	4	18.50	18.50		8.24	8.24		30.74	30.74		96.0	95.5		7.49	7.45		4.40	4.55		4	
3/3/17	14:45	Fine	Middle	3	18.50	18.50	18.55	8.13	8.13	8.14	28.95	28.95	28.95	89.5	89.7	89.2	7.05	7.06	7.02	7.75	7.80	7.79	5	4.50
	14:47		Middle	3	18.60	18.60		8.15	8.15		28.95	28.95		89.1	88.3		7.01	6.95		7.82	7.79		4	
6/3/17	20:01	Cloudy	Middle	3	18.70	18.70	18.75	8.02	8.02	8.00	26.43	26.43	26.43	67.5	67.7	67.6	5.37	5.39	5.38	11.72	11.51	11.57	8	8.00
	20:02		Middle	3	18.80	18.80		7.97	8.00		26.43	26.43		67.6	67.5		5.38	5.38		11.47	11.59		8	
8/3/17	21:53	Cloudy	Middle	3	17.90	17.90	17.90	8.11	8.11	8.06	26.02	26.03	26.03	56.6	56.5	56.6	4.67	4.66	4.65	9.60	9.51	9.52	5	5.50
	21:54		Middle	3	17.90	17.90		8.00	8.00		26.03	26.03		56.8	56.5		4.70	4.57		9.49	9.47		6	
11/3/17	11:23	Cloudy	Middle	4	18.10	18.10	18.15	8.25	8.25	8.25	30.49	30.49	30.49	90.4	89.7	87.9	7.11	7.06	6.91	4.94	4.87	4.86	<2	<2
	11:25		Middle	4	18.20	18.20		8.24	8.24		30.49	30.49		88.8	82.5		6.98	6.49		4.82	4.79		<2	
13/3/17	13:55	Cloudy	Middle	4	20.30	20.40	20.68	8.14	8.15	8.19	31.85	31.84	31.84	88.8	88.7	85.4	6.31	6.31	5.94	4.90	4.88	4.81	6	7.00
	13:57		Middle	4	21.00	21.00		8.24	8.24		31.83	31.83		86.0	78.2		5.80	5.34		4.89	4.57		8	
15/3/17	13:45	Cloudy	Middle	3	17.80	17.80	17.80	8.23	8.23	8.24	30.36	30.36	30.36	88.2	87.6	87.8	6.99	6.94	6.96	2.58	2.58	2.57	3	3.50
	13:47		Middle	3	17.80	17.80		8.25	8.25		30.36	30.36		87.7	87.7		6.96	6.96		2.57	2.56		4	
17/3/17	14:05	Fine	Middle	3	18.80	18.80	18.85	8.17	8.17	8.20	31.38	31.38	31.37	96.1	96.2	95.9	7.41	7.41	7.39	2.74	2.70	2.66	3	3.50
	14:07		Middle	3	18.90	18.90		8.22	8.22		31.37	31.37		95.9	95.5		7.39	7.35		2.59	2.60		4	
20/3/17	15:35	Fine	Middle	4	21.70	21.70	21.90	8.18	8.18	8.19	30.14	30.14	30.13	89.3	90.8	90.6	6.56	6.67	6.64	6.05	6.00	5.99	8	7.00
	15:37		Middle	4	22.10	22.10		8.19	8.19		30.12	30.12		91.0	91.1		6.66	6.68		5.92	6.00		6	
22/3/17	19:57	Cloudy	Middle	3	19.30	19.30	19.30	8.20	8.20	8.20	26.43	26.43	26.43	69.8	69.7	69.4	5.52	5.50	5.48	13.33	13.24	13.28	7	7.00
	19:58		Middle	3	19.30	19.30		8.20	8.20		26.43	26.43		69.1	69.0		5.45	5.44		13.28	13.26		7	
24/3/17	22:12	Cloudy	Middle	3	21.50	21.50	21.50	8.19	8.19	8.14	29.94	29.94	29.94	56.1	57.3	56.4	4.16	4.24	4.18	8.97	8.91	8.99	6	6.00
	22:13		Middle	3	21.50	21.50		8.08	8.08		29.94	29.94		56.4	55.6		4.18	4.12		8.99	9.10		6	
27/3/17	14:22	Fine	Middle	3	19.30	19.30	19.30	8.22	8.22	8.22	32.05	32.05	32.05	96.0	96.1	95.9	7.32	7.32	7.30	4.35	4.34	4.34	4	3.50
	14:24		Middle	3	19.30	19.30		8.22	8.22		32.05	32.05		96.0	95.3		7.31	7.26		4.34	4.34		3	
29/3/17	11:15	Fine	Middle	4	20.30	20.30	20.40	8.23	8.23	8.25	32.32	32.32	32.32	91.8	92.3	92.3	6.85	6.89	6.88	3.55	3.59	3.60	3	3.00
	11:17		Middle	4	20.50	20.50		8.26	8.26		32.31	32.31		92.4	92.5		6.89	6.90		3.61	3.63		3	
31/3/17	14:30	Cloudy	Middle	3	20.10	20.10	20.15	8.13	8.13	8.16	31.34	31.34	31.34	92.5	91.8	91.5	6.97	6.92	6.90	4.80	4.97	4.91	5	4.50
	14:32		Middle	3	20.20	20.20		8.19	8.19		31.34	31.34		91.3	90.5		6.88	6.82		4.97	4.89		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

