



**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	
1/12/14	14:15	Cloudy	Middle	3.0	22.40	22.40	22.40	8.12	8.12	8.13	32.16	32.16	32.18	88.5	88.7	88.7	6.38	6.39	6.39	5.49	5.37	5.37	7	7.00
	14:17		Middle	3.0	22.40	22.40		8.13	8.13		32.19	32.19		89.2	88.4		6.42	6.37		5.30	5.30		7	
3/12/14	14:57	Cloudy	Middle	3.0	22.00	22.00	21.95	8.14	8.14	8.14	32.19	32.19	32.20	84.2	84.1	83.8	6.11	6.11	6.08	4.01	4.01	4.02	5	4.00
	14:59		Middle	3.0	21.90	21.90		8.14	8.14		32.20	32.20		83.6	83.1		6.07	6.04		4.02	4.04		3	
5/12/14	16:10	Fine	Middle	3.5	20.80	20.80	20.70	8.20	8.20	8.20	32.19	32.19	32.20	83.1	83.8	83.5	6.17	6.22	6.20	2.85	2.83	2.86	4	3.50
	16:12		Middle	3.5	20.60	20.60		8.19	8.19		32.21	32.21		83.7	83.4		6.22	6.20		2.84	2.91		3	
8/12/14	10:20	Fine	Middle	3.0	20.70	20.70	20.65	8.17	8.17	8.17	32.17	32.17	32.18	82.8	81.8	80.8	6.16	6.08	6.01	3.00	3.00	2.99	3	3.00
	10:22		Middle	3.0	20.60	20.60		8.17	8.17		32.19	32.19		80.5	77.9		5.99	5.79		2.99	2.96		3	
10/12/14	8:30	Cloudy	Middle	3.0	20.60	20.60	20.55	8.19	8.19	8.19	32.34	32.34	32.30	84.9	84.4	85.1	6.32	6.28	6.34	3.51	3.43	3.45	5	4.50
	8:32		Middle	3.0	20.50	20.50		8.19	8.19		32.25	32.25		85.6	85.5		6.37	6.37		3.43	3.43		4	
12/12/14	10:45	Fine	Middle	3.0	19.50	19.50	19.50	8.20	8.20	8.20	32.14	32.14	32.14	82.4	84.0	83.7	6.27	6.39	6.38	3.53	3.60	3.59	3	3.50
	10:47		Middle	3.0	19.50	19.50		8.20	8.20		32.14	32.14		84.8	83.6		6.48	6.37		3.64	3.60		4	
15/12/14	12:45	Fine	Middle	3.5	20.30	20.30	20.30	8.17	8.17	8.17	32.04	32.04	32.04	82.1	81.9	82.1	6.14	6.13	6.14	8.97	8.96	8.94	3	2.50
	12:47		Middle	3.5	20.30	20.30		8.17	8.17		32.04	32.04		82.2	82.1		6.15	6.14		8.96	8.88		2	
17/12/14	11:50	Fine	Middle	3.0	18.20	18.20	18.15	8.21	8.21	8.22	31.89	31.89	31.90	86.9	86.9	87.4	6.72	6.72	6.79	4.02	4.01	4.01	<2	2.00
	11:52		Middle	3.0	18.10	18.10		8.22	8.22		31.91	31.91		88.1	87.7		6.88	6.85		4.00	4.00		2	
19/12/14	16:10	Cloudy	Middle	3.0	18.00	18.00	17.90	8.24	8.24	8.26	31.91	31.91	31.92	88.3	88.4	88.7	6.93	6.94	6.96	3.08	3.11	3.12	4	4.00
	16:12		Middle	3.0	17.80	17.80		8.27	8.27		31.92	31.92		88.8	89.2		6.97	6.99		3.13	3.16		4	
22/12/14	8:43	Fine	Middle	3.5	16.40	16.40	16.35	8.27	8.27	8.27	31.67	31.67	31.68	83.9	85.4	84.8	6.79	6.91	6.87	3.55	3.52	3.49	<2	<2
	8:45		Middle	3.5	16.30	16.30		8.27	8.27		31.68	31.68		85.2	84.7		6.90	6.86		3.47	3.42		<2	
24/12/14	10:40	Fine	Middle	3.0	19.00	19.00	19.05	8.22	8.22	8.22	31.76	31.76	31.76	87.2	86.9	87.2	6.70	6.67	6.70	3.04	3.04	3.04	4	4.50
	10:42		Middle	3.0	19.10	19.10		8.22	8.22		31.76	31.76		87.4	87.3		6.71	6.70		3.04	3.03		5	
26/12/14	7:35	Cloudy	Middle	3.0	18.10	18.10	18.10	8.01	8.01	8.01	31.54	31.54	31.55	76.4	76.8	76.9	6.09	6.11	6.13	1.58	1.54	1.69	<2	<2
	7:36		Middle	3.0	18.10	18.10		8.01	8.01		31.55	31.55		77.2	77.3		6.15	6.16		1.60	2.02		<2	
29/12/14	13:55	Fine	Middle	3.0	18.00	18.00	18.05	8.20	8.20	8.20	31.53	31.53	31.54	82.0	83.2	83.6	6.42	6.51	6.55	2.80	2.81	2.81	3	2.50
	13:57		Middle	3.0	18.10	18.10		8.20	8.20		31.54	31.54		83.9	85.3		6.61	6.67		2.81	2.80		2	
31/12/14	11:40	Fine	Middle	3.0	18.10	18.10	18.10	8.11	8.11	8.12	31.60	31.60	31.61	77.7	78.2	78.1	6.07	6.11	6.10	6.01	6.08	6.03	6	6.50
	11:42		Middle	3.0	18.10	18.10		8.12	8.12		31.61	31.61		78.2	78.1		6.11	6.11		6.02	6.02		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	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				
1/12/14	21:36	Cloudy	Middle	3.0	22.30	22.30	22.30	7.63	7.63	7.64	31.60	31.60	31.61	94.3	92.2	93.0	8.12	7.94	8.01	9.53	9.21	9.25	2	3.00
	21:37		Middle	3.0	22.30	22.30		7.64	7.64		31.61	31.61		92.8	92.6		7.99	7.97		9.15	9.10		4	
3/12/14	10:05	Cloudy	Middle	3.0	21.60	21.60	21.55	8.19	8.19	8.19	32.25	32.25	32.26	88.5	87.6	88.0	6.47	6.40	6.43	3.29	3.29	3.29	3	3.00
	10:07		Middle	3.0	21.50	21.50		8.19	8.19		32.27	32.27		87.6	88.3		6.40	6.45		3.28	3.29		3	
5/12/14	10:40	Cloudy	Middle	3.0	20.30	20.30	20.20	8.21	8.21	8.22	32.21	32.21	32.23	90.4	90.8	89.8	6.78	6.80	6.73	4.02	4.00	3.98	4	4.00
	10:42		Middle	3.0	20.10	20.10		8.22	8.22		32.25	32.25		89.3	88.5		6.70	6.64		4.00	3.91		4	
8/12/14	1:36	Cloudy	Middle	3.0	19.60	19.60	19.60	8.03	8.03	8.04	31.57	31.57	31.58	93.1	93.8	93.4	7.08	7.14	7.11	5.34	5.68	5.59	3	3.00
	1:37		Middle	3.0	19.60	19.60		8.05	8.05		31.58	31.58		93.2	93.5		7.09	7.11		5.73	5.60		3	
10/12/14	5:15	Cloudy	Middle	3.0	20.20	20.20	20.20	7.63	7.64	7.64	32.41	32.41	32.41	93.5	92.2	93.1	7.03	6.93	6.91	2.32	2.44	2.47	2	2.00
	5:16		Middle	3.0	20.20	20.20		7.64	7.64		32.40	32.40		94.3	92.5		7.09	6.59		2.84	2.26		2	
12/12/14	3:31	Cloudy	Middle	3.0	19.30	19.30	19.35	8.01	8.01	8.02	31.90	31.90	31.91	93.5	94.2	93.8	7.12	7.18	7.15	1.74	1.94	1.85	5	5.50
	3:32		Middle	3.0	19.40	19.40		8.03	8.03		31.91	31.91		93.9	93.6		7.16	7.14		1.88	1.84		6	
15/12/14	6:52	Cloudy	Middle	3.0	19.00	19.00	19.00	7.92	7.92	7.93	32.16	32.16	32.16	90.5	91.0	91.4	6.94	6.99	7.01	1.86	1.52	1.63	<2	<2
	6:53		Middle	3.0	19.00	19.00		7.94	7.94		32.16	32.16		91.7	92.3		7.04	7.07		1.49	1.66		<2	
17/12/14	20:56	Fine	Middle	3.0	16.20	16.20	16.15	7.95	7.95	7.97	31.99	31.99	32.01	94.4	94.9	94.5	7.65	7.69	7.66	2.76	2.96	2.81	<2	<2
	20:57		Middle	3.0	16.10	16.10		8.00	7.99		32.03	32.03		94.0	94.8		7.61	7.68		2.79	2.74		<2	
19/12/14	21:17	Cloudy	Middle	3.0	13.30	13.30	13.20	7.85	7.85	7.87	31.95	31.95	31.95	94.5	94.9	95.1	7.50	7.55	7.56	2.80	2.60	2.56	3	3.00
	21:18		Middle	3.0	13.10	13.10		7.89	7.89		31.95	31.95		95.5	95.6		7.58	7.60		2.49	2.34		3	
22/12/14	2:09	Cloudy	Middle	3.0	15.60	15.60	15.58	7.94	7.94	7.95	31.85	31.85	31.85	95.8	96.5	96.2	7.87	7.92	7.90	4.49	4.62	4.57	2	2.00
	2:10		Middle	3.0	15.50	15.60		7.95	7.95		31.84	31.84		96.4	96.1		7.92	7.89		4.60	4.57		<2	
24/12/14	3:05	Cloudy	Middle	3.0	17.60	17.60	17.55	7.82	7.82	7.83	30.25	30.25	30.45	89.9	90.1	89.6	7.16	7.18	7.13	2.44	2.38	2.40	3	3.00
	3:06		Middle	3.0	17.50	17.50		7.83	7.84		30.64	30.64		89.3	89.1		7.10	7.09		2.53	2.26		3	
26/12/14	1:20	Cloudy	Middle	3.5	17.20	17.20	17.20	7.97	7.97	7.97	31.65	31.65	31.65	94.4	94.6	94.1	7.50	7.52	7.47	2.48	2.50	2.52	4	4.00
	1:21		Middle	3.5	17.20	17.20		7.97	7.97		31.64	31.64		94.0	93.2		7.46	7.41		2.58	2.52		4	
29/12/14	5:05	Cloudy	Middle	3.5	14.90	14.90	14.90	7.74	7.74	7.75	31.51	31.51	31.51	97.6	97.9	97.6	8.14	8.16	8.14	1.68	1.57	1.60	2	2.00
	5:06		Middle	3.5	14.90	14.90		7.75	7.75		31.51	31.51		97.7	97.2		8.15	8.11		1.55	1.60		2	
31/12/14	18:56	Fine	Middle	3.0	17.60	17.60	17.60	8.13	8.13	8.13	31.06	31.06	31.06	75.6	74.7	74.2	5.99	5.91	5.87	3.35	3.35	3.33	4	3.50
	18:58		Middle	3.0	17.60	17.60		8.11	8.13		31.06	31.06		73.6	72.9		5.81	5.77		3.30	3.32		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	Value	Average	
1/12/14	14:10	Cloudy	Middle	3.5	22.50	22.50	22.45	8.13	8.13	8.13	32.10	32.10	32.10	81.0	80.6	80.2	5.83	5.80	5.77	4.15	4.14	4.14	5	4.50
	14:12		Middle	3.5	22.40	22.40		8.12	8.12		32.10	32.10		80.0	79.1		5.76	5.69		4.14	4.14		4	
3/12/14	15:01	Cloudy	Middle	3.0	21.50	21.50	21.45	8.15	8.15	8.16	32.08	32.08	32.09	78.5	80.2	80.0	5.75	5.83	5.85	4.01	3.91	3.91	4	4.00
	15:03		Middle	3.0	21.40	21.40		8.16	8.16		32.10	32.10		80.6	80.5		5.91	5.90		3.88	3.83		4	
5/12/14	16:15	Fine	Middle	3.0	20.60	20.60	20.60	8.09	8.09	8.07	28.53	28.53	28.54	71.2	72.3	71.6	5.41	5.49	5.44	10.89	10.91	10.90	6	6.50
	16:17		Middle	3.0	20.60	20.60		8.04	8.04		28.54	28.54		70.8	72.2		5.38	5.49		10.89	10.91		7	
8/12/14	10:24	Fine	Middle	3.0	20.30	20.30	20.25	8.16	8.16	8.14	28.51	28.51	28.51	72.9	73.3	72.7	5.58	5.61	5.56	9.86	9.86	9.56	7	7.00
	10:26		Middle	3.0	20.20	20.20		8.11	8.11		28.50	28.50		72.8	71.7		5.57	5.49		9.17	9.34		7	
10/12/14	8:35	Cloudy	Middle	2.5	20.40	20.40	20.40	8.20	8.20	8.20	32.15	32.15	32.15	88.9	89.4	88.9	6.64	6.68	6.64	4.56	4.30	4.50	6	5.50
	8:37		Middle	2.5	20.40	20.40		8.20	8.20		32.15	32.15		88.6	88.7		6.62	6.62		4.53	4.62		5	
12/12/14	10:50	Fine	Middle	2.5	19.80	19.80	19.50	8.19	8.19	8.19	31.93	31.93	31.94	83.3	84.3	84.1	6.38	6.44	6.43	3.59	3.61	3.63	3	3.00
	10:52		Middle	2.5	19.20	19.20		8.19	8.19		31.94	31.94		84.0	84.6		6.42	6.47		3.63	3.67		3	
15/12/14	12:50	Fine	Middle	3.5	20.30	20.30	20.15	8.19	8.19	8.19	31.84	31.84	31.86	81.6	81.6	81.6	6.16	6.16	6.17	10.31	10.34	10.35	2	2.00
	12:52		Middle	3.5	20.00	20.00		8.19	8.19		31.88	31.88		81.2	82.1		6.15	6.21		10.37	10.37		<2	
17/12/14	11:56	Fine	Middle	2.5	18.00	18.00	18.00	8.16	8.16	8.13	28.02	28.02	28.03	75.6	77.4	76.9	6.06	6.21	6.18	8.57	8.58	8.61	7	6.50
	11:58		Middle	2.5	18.00	18.00		8.10	8.10		28.03	28.03		77.3	77.4		6.21	6.22		8.62	8.67		6	
19/12/14	16:14	Cloudy	Middle	2.5	17.70	17.70	17.70	8.28	8.28	8.28	31.78	31.78	31.79	86.6	86.2	86.1	6.82	6.78	6.78	3.82	3.63	3.74	3	3.00
	16:16		Middle	2.5	17.70	17.70		8.28	8.28		31.79	31.79		86.0	85.7		6.77	6.75		3.76	3.76		3	
22/12/14	8:35	Fine	Middle	3.0	16.70	16.70	16.65	8.28	8.28	8.28	31.71	31.71	31.72	85.9	86.3	85.7	6.90	6.94	6.89	3.67	3.73	3.74	<2	<2
	8:37		Middle	3.0	16.60	16.60		8.28	8.28		31.72	31.72		85.8	84.8		6.90	6.83		3.76	3.78		<2	
24/12/14	10:45	Fine	Middle	2.5	18.50	18.50	18.55	8.23	8.23	8.23	31.66	31.66	31.66	84.7	85.5	85.3	6.56	6.63	6.61	3.05	3.04	3.04	4	3.50
	10:47		Middle	2.5	18.60	18.60		8.23	8.23		31.65	31.65		85.5	85.3		6.63	6.61		3.04	3.04		3	
26/12/14	7:41	Cloudy	Middle	2.5	17.50	17.50	17.50	8.06	8.06	8.06	29.39	29.39	29.39	72.5	72.4	72.2	5.82	5.81	5.80	4.83	4.87	4.90	4	4.50
	7:42		Middle	2.5	17.50	17.50		8.06	8.06		29.39	29.39		71.9	72.1		5.77	5.78		4.94	4.97		5	
29/12/14	14:00	Fine	Middle	2.5	18.50	18.50	18.55	8.18	8.18	8.18	31.57	31.57	31.57	84.8	85.2	85.0	6.57	6.60	6.58	2.94	2.94	2.94	3	2.50
	14:02		Middle	2.5	18.60	18.60		8.18	8.18		31.57	31.57		85.0	84.9		6.58	6.58		2.95	2.92		2	
31/12/14	11:45	Fine	Middle	2.5	18.00	18.00	18.00	8.12	8.12	8.12	31.03	31.03	31.03	77.8	77.0	77.1	6.12	6.06	6.07	6.73	6.87	6.81	7	6.00
	11:47		Middle	2.5	18.00	18.00		8.11	8.11		31.03	31.03		76.9	76.5		6.09	6.02		6.84	6.79		5	

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



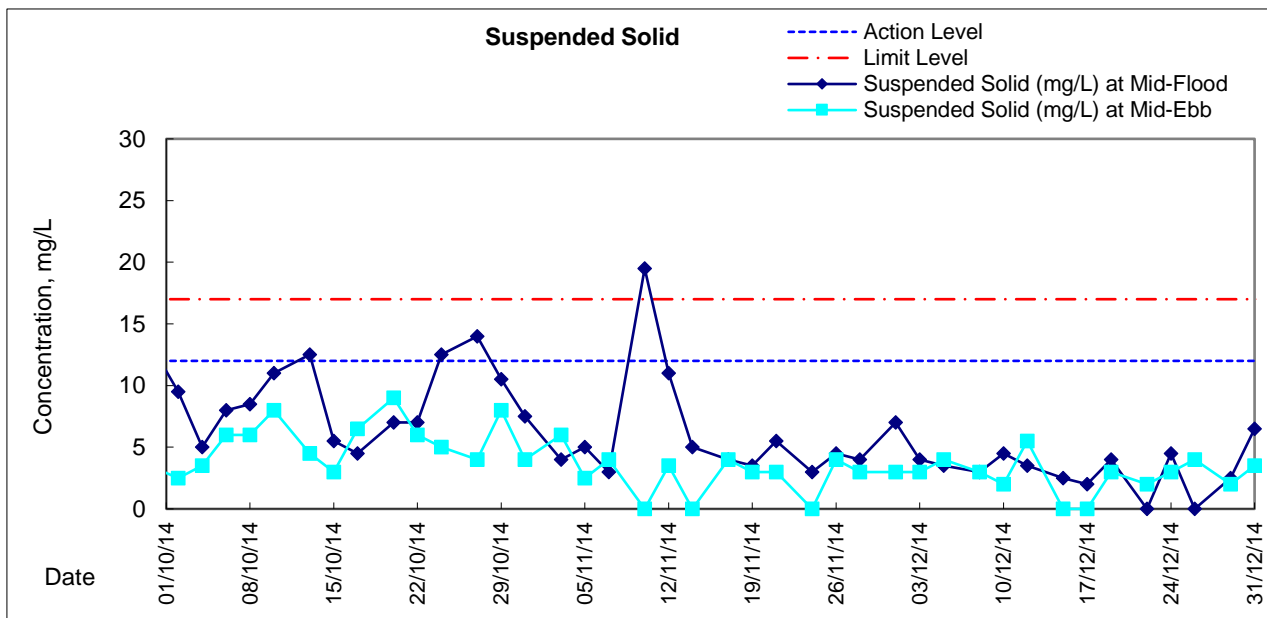
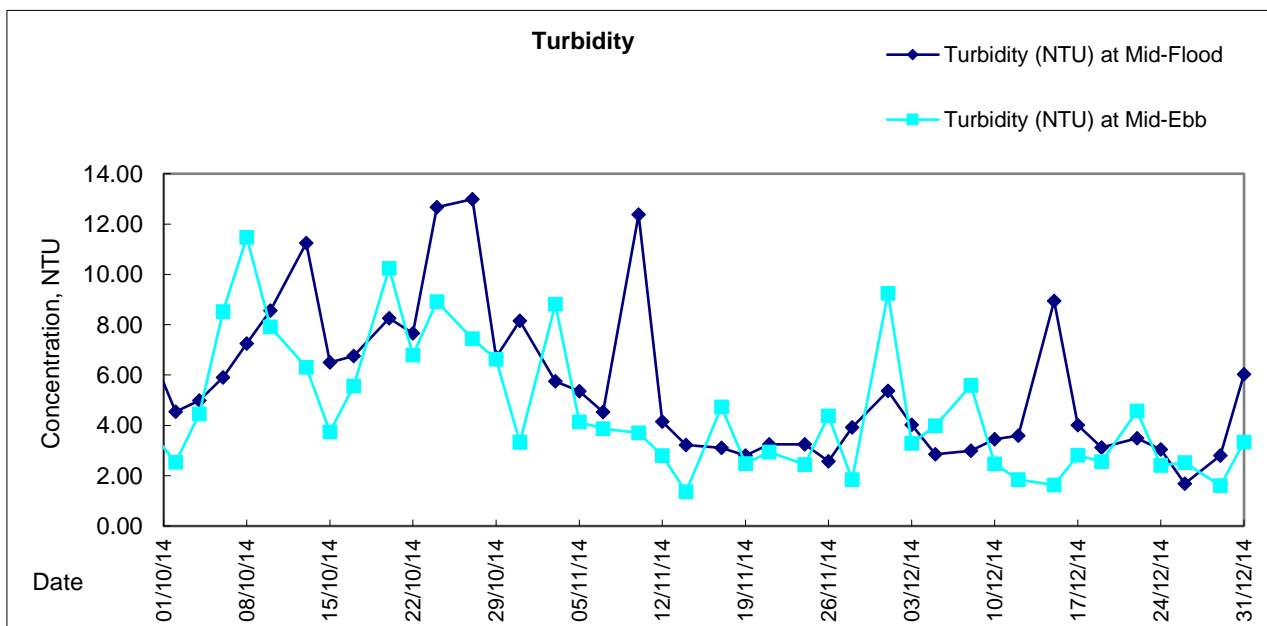
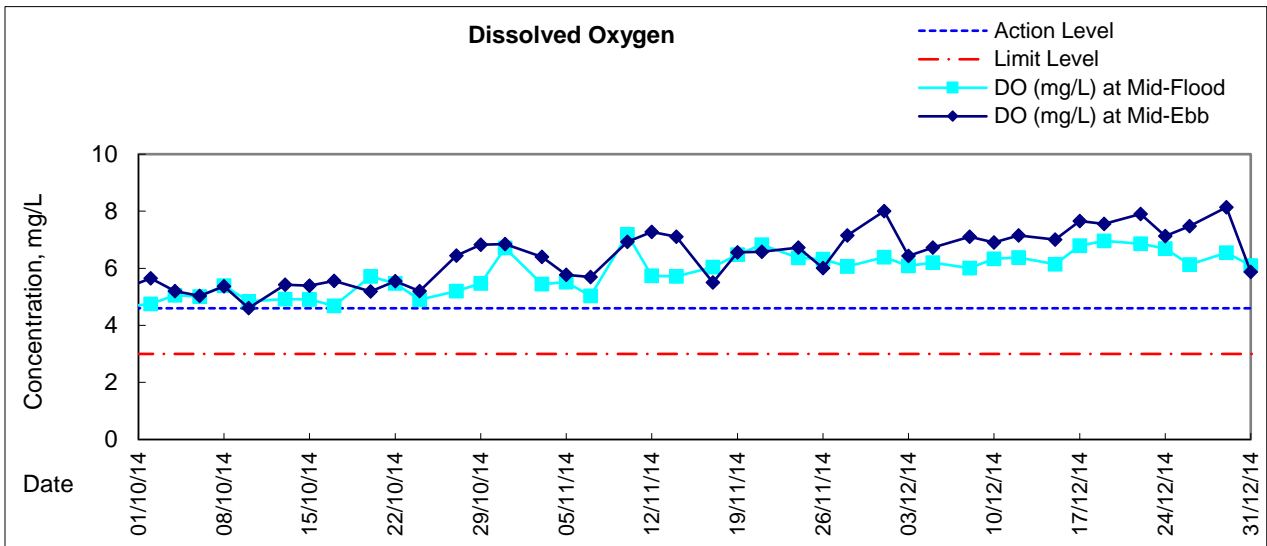
**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

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				
1/12/14	21:43	Cloudy	Middle	3	22.40	22.40	22.40	7.82	7.82	7.81	29.57	29.57	29.56	39.6	39.9	40.2	2.60	2.92	2.87	10.29	10.49	10.40	6	5.50
	21:44		Middle	3	22.40	22.40		7.79	7.80		29.54	29.54		40.5	40.7		2.97	2.98		10.57	10.24		5	
3/12/14	10:11	Cloudy	Middle	3	21.70	21.70	21.65	8.15	8.15	8.14	30.77	30.77	30.77	81.2	80.7	81.3	5.97	5.94	5.99	3.22	3.21	3.22	4	3.50
	10:12		Middle	3	21.60	21.60		8.12	8.12		30.77	30.77		81.5	81.9		6.00	6.03		3.22	3.23		3	
5/12/14	10:45	Cloudy	Middle	3	20.20	20.20	20.15	8.21	8.21	8.21	32.04	32.04	32.04	81.7	82.1	82.1	6.13	6.17	6.17	5.22	5.24	5.24	4	3.50
	10:47		Middle	3	20.10	20.10		8.21	8.21		32.04	32.04		82.5	82.1		6.20	6.16		5.25	5.25		3	
8/12/14	1:45	Cloudy	Middle	3	20.10	20.10	20.10	8.16	8.16	8.16	25.57	25.57	25.57	62.3	62.9	62.8	4.87	4.92	4.91	10.26	10.49	10.46	8	7.50
	1:46		Middle	3	20.10	20.10		8.15	8.15		25.57	25.57		62.5	63.3		4.89	4.96		10.51	10.56		7	
10/12/14	5:23	Cloudy	Middle	3	20.40	20.60	20.55	7.85	7.85	7.85	30.82	30.82	30.85	79.8	79.7	78.8	5.98	5.98	5.87	5.56	5.24	5.54	5	5.50
	5:24		Middle	3	20.60	20.60		7.85	7.85		30.87	30.87		77.5	78.3		5.82	5.68		5.37	5.99		6	
12/12/14	3:40	Cloudy	Middle	3	20.20	20.20	20.15	8.06	8.06	8.06	27.64	27.64	27.64	68.7	69.5	69.1	5.29	5.36	5.33	11.37	10.91	11.36	6	5.50
	3:41		Middle	3	20.10	20.10		8.06	8.06		27.63	27.63		69.3	68.9		5.35	5.31		11.44	11.70		5	
15/12/14	7:04	Cloudy	Middle	3	19.30	19.30	19.25	7.96	7.96	7.94	27.56	27.56	27.56	61.5	61.5	61.5	4.83	4.83	4.83	4.03	4.01	3.87	3	2.50
	7:05		Middle	3	19.20	19.20		7.92	7.91		27.55	27.55		61.2	61.7		4.81	4.84		3.73	3.70		2	
17/12/14	21:05	Fine	Middle	3	16.50	16.50	16.50	7.79	7.79	7.78	28.08	28.08	28.08	76.9	77.3	77.1	6.36	6.39	6.36	10.12	10.00	9.98	6	5.50
	21:06		Middle	3	16.50	16.50		7.77	7.77		28.08	28.08		77.3	76.8		6.37	6.33		9.92	9.88		5	
19/12/14	21:25	Cloudy	Middle	3	13.40	13.40	13.40	7.98	7.98	7.98	23.58	23.60	23.60	40.2	41.5	41.6	3.35	3.46	3.47	10.58	11.54	10.85	18	18.00
	21:26		Middle	3	13.40	13.40		7.97	7.97		23.61	23.61		42.1	42.5		3.51	3.54		10.52	10.74		18	
22/12/14	2:16	Cloudy	Middle	3	16.20	16.20	16.15	8.03	8.03	8.03	28.40	28.51	29.01	80.1	80.3	80.3	6.58	6.60	6.60	9.80	9.73	9.67	5	4.00
	2:17		Middle	3	16.10	16.10		8.03	8.03		29.55	29.56		80.2	80.4		6.59	6.61		9.61	9.54		3	
24/12/14	3:11	Cloudy	Middle	3	17.80	17.80	17.80	7.85	7.85	7.85	27.62	27.65	27.64	46.0	46.5	46.3	3.70	3.75	3.73	31.70	33.84	32.26	10	9.50
	3:12		Middle	3	17.80	17.80		7.84	7.84		27.65	27.65		46.4	46.2		3.75	3.72		32.02	31.46		9	
26/12/14	1:30	Cloudy	Middle	3	18.10	18.10	18.10	7.98	7.98	7.99	28.25	28.25	28.26	77.5	74.9	76.3	6.19	5.98	6.09	6.94	6.68	6.71	2	2.00
	1:31		Middle	3	18.10	18.10		7.99	7.99		28.26	28.26		75.9	76.7		6.06	6.12		6.61	6.59		2	
29/12/14	5:14	Cloudy	Middle	3	15.50	15.50	15.50	7.88	7.88	7.88	28.57	28.57	28.58	69.5	70.5	70.6	5.83	5.92	5.92	8.57	8.50	8.38	3	3.00
	5:15		Middle	3	15.50	15.50		7.88	7.88		28.59	28.59		71.0	71.2		5.96	5.97		8.18	8.28		3	
31/12/14	18:52	Fine	Middle	3	17.80	17.80	17.80	8.12	8.12	8.13	31.59	31.59	31.58	82.6	81.5	79.0	6.49	6.40	6.36	2.94	2.94	2.96	2	2.00
	18:54		Middle	3	17.80	17.80		8.13	8.13		31.56	31.56		80.6	71.4		6.30	6.24		2.96	2.99		2	

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



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





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

