



**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					
01/06/2018	21:37	Cloudy	Middle	3.0	29.40	29.40	29.40	8.04	8.04	8.04	31.16	31.16	31.16	79.4	80.3	79.9	5.12	5.17	5.15	1.69	1.41	1.47	4	4.50
	21:38		Middle	3.0	29.40	29.40		8.04	8.04		31.16	31.16		80.0	79.8		5.15	5.14		1.37	1.40		5	
04/06/2018	09:25	Cloudy	Middle	4.0	27.20	27.20	27.20	8.27	8.27	8.28	31.16	31.16	31.16	82.8	83.6	82.6	5.52	5.57	5.50	2.88	2.87	2.86	3	2.50
	09:27		Middle	4.0	27.20	27.20		8.28	8.28		31.16	31.16		81.4	82.4		5.43	5.49		2.84	2.83		2	
06/06/2018	03:53	Cloudy	Middle	3.5	28.00	28.00	28.00	8.00	8.00	8.00	30.38	30.38	30.38	77.8	77.9	77.6	5.13	5.15	5.12	1.88	1.48	1.48	4	3.00
	03:54		Middle	3.5	28.00	28.00		8.00	8.00		30.38	30.38		77.5	77.0		5.12	5.08		1.22	1.34		2	
09/06/2018	20:05	Cloudy	Middle	3.5	30.50	30.50	30.50	7.98	7.98	7.98	29.19	29.19	29.19	81.9	80.5	81.1	4.92	4.84	4.88	1.20	1.10	1.15	6	6.00
	20:06		Middle	3.5	30.50	30.50		7.98	7.98		29.19	29.19		80.7	81.1		4.86	4.88		1.17	1.14		<2	
11/06/2018	15:10	Fine	Middle	4.0	29.40	29.40	29.50	8.20	8.20	8.24	29.16	29.16	29.16	86.8	87.0	86.8	5.64	5.67	5.63	5.42	5.43	5.43	3	3.50
	15:12		Middle	4.0	29.60	29.60		8.28	8.28		29.15	29.15		85.9	87.5		5.56	5.63		5.44	5.44		4	
13/06/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
15/06/2018	21:17	Cloudy	Middle	3.5	29.40	29.40	29.40	8.10	8.10	8.10	30.05	30.05	30.05	74.2	74.4	74.4	4.66	4.66	4.67	1.12	1.54	1.39	8	7.00
	21:18		Middle	3.5	29.40	29.40		8.10	8.10		30.05	30.05		74.4	74.5		4.68	4.67		1.39	1.49		6	
19/06/2018	11:55	Fine	Middle	4.0	29.10	29.10	29.15	8.16	8.16	8.16	29.18	29.18	29.18	90.5	90.6	90.2	5.91	5.92	5.89	2.51	2.52	2.49	4	3.50
	11:57		Middle	4.0	29.20	29.20		8.16	8.16		29.18	29.18		89.5	90.3		5.84	5.89		2.48	2.45		3	
22/06/2018	01:58	Cloudy	Middle	3.0	28.50	28.50	28.50	8.01	8.01	8.01	25.41	25.40	25.40	69.4	70.2	70.3	4.74	4.76	4.78	1.13	1.83	1.46	6	4.50
	01:59		Middle	3.0	28.50	28.50		8.01	8.01		25.40	25.40		70.7	70.9		4.82	4.80		1.44	1.45		3	
24/06/2018	01:07	Cloudy	Middle	3.5	27.90	27.90	27.90	8.03	8.03	8.03	25.58	25.58	25.58	72.3	73.4	72.7	4.91	4.99	4.94	1.16	1.18	1.15	2	2.00
	01:08		Middle	3.5	27.90	27.90		8.03	8.03		25.58	25.58		72.4	72.7		4.92	4.94		1.14	1.12		2	
26/06/2018	17:45	Fine	Middle	3.5	28.90	28.90	28.95	8.23	8.23	8.23	26.53	26.53	26.56	94.9	95.8	95.1	6.31	6.36	6.31	4.11	4.12	4.13	6	6.00
	17:47		Middle	3.5	29.00	29.00		8.23	8.23		26.58	26.58		94.8	94.9		6.29	6.29		4.12	4.16		6	
28/06/2018	20:31	Fine	Middle	3.5	29.40	29.40	29.40	8.14	8.14	8.14	27.78	27.78	27.78	78.2	78.1	77.6	5.04	5.04	5.00	2.07	2.61	2.28	6	7.00
	20:32		Middle	3.5	29.40	29.40		8.14	8.14		27.78	27.78		76.8	77.2		4.95	4.98		2.31	2.12		8	
30/06/2018	20:10	Cloudy	Middle	2.5	29.10	29.10	29.10	8.11	8.11	8.11	27.18	27.18	27.18	77.4	78.4	77.5	5.12	5.20	5.13	1.89	1.42	1.48	6	6.00
	20:11		Middle	2.5	29.10	29.10		8.11	8.11		27.18	27.18		76.6	77.5		5.07	5.13		1.22	1.37		6	



**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						
01/06/2018	21:43	Cloudy	Middle	2.5	29.10	29.10	29.10	7.92	7.92	7.92	27.78	27.78	27.78	72.8	73.1	72.3	4.78	4.80	4.75	4.00	3.43	3.82	7	7.00
	21:44		Middle	2.5	29.10	29.10		7.92	7.92		27.78	27.78		71.7	71.5		4.71	4.70		3.99	3.85		7	
04/06/2018	09:20	Cloudy	Middle	3.5	27.20	27.20	27.25	8.26	8.26	8.26	30.78	30.78	30.78	76.3	75.9	76.0	5.10	5.07	5.08	2.83	2.85	2.85	3	3.00
	09:22		Middle	3.5	27.30	27.30		8.26	8.26		30.78	30.78		75.9	76.0		5.06	5.07		2.85	2.86		3	
06/06/2018	04:01	Cloudy	Middle	3.0	28.00	28.00	28.00	7.78	7.78	7.78	22.59	22.59	22.59	68.3	71.1	70.9	4.73	4.90	4.90	1.09	1.24	1.12	13	10.50
	04:02		Middle	3.0	28.00	28.00		7.78	7.78		22.59	22.59		72.5	71.8		5.01	4.96		1.10	1.04		8	
09/06/2018	20:13	Cloudy	Middle	3.0	29.00	29.00	29.00	7.50	7.50	7.50	22.31	22.31	22.31	53.6	55.3	54.4	3.41	3.52	3.46	3.10	3.04	3.11	5	5.50
	20:14		Middle	3.0	29.00	29.00		7.50	7.50		22.31	22.31		54.3	54.2		3.46	3.45		3.13	3.15		6	
11/06/2018	15:05	Fine	Middle	3.5	30.10	30.10	30.25	8.22	8.22	8.24	29.16	29.16	29.16	86.4	86.1	85.7	5.51	5.51	5.48	7.06	7.06	7.06	4	4.50
	15:07		Middle	3.5	30.40	30.40		8.25	8.25		29.16	29.16		84.9	85.3		5.43	5.45		7.06	7.07		5	
13/06/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
15/06/2018	21:23	Cloudy	Middle	3.0	29.60	29.60	29.60	7.60	7.61	7.60	27.19	27.19	27.19	52.0	53.6	53.8	3.31	3.41	3.42	1.21	1.34	1.28	4	4.00
	21:24		Middle	3.0	29.60	29.60		7.59	7.59		27.19	27.19		54.9	54.7		3.49	3.47		1.30	1.28		4	
19/06/2018	11:50	Fine	Middle	3.5	29.50	29.50	29.40	8.13	8.13	8.14	28.92	28.92	28.92	84.5	85.0	84.8	5.51	5.53	5.52	2.79	2.87	2.84	4	5.00
	11:52		Middle	3.5	29.30	29.30		8.14	8.14		28.92	28.92		84.8	84.9		5.52	5.53		2.85	2.84		6	
22/06/2018	02:21	Cloudy	Middle	2.5	28.60	28.60	28.60	7.52	7.52	7.52	23.09	23.09	23.09	17.9	18.5	18.5	1.22	1.26	1.26	4.80	4.76	4.55	7	6.50
	02:22		Middle	2.5	28.60	28.60		7.52	7.52		23.09	23.09		19.0	18.7		1.29	1.28		4.11	4.54		6	
24/06/2018	01:14	Cloudy	Middle	3.0	28.10	28.10	28.10	7.82	7.82	7.82	22.73	22.73	22.74	29.3	29.0	29.5	2.10	2.13	2.14	1.07	1.11	1.09	2	2.00
	01:15		Middle	3.0	28.10	28.10		7.82	7.82		22.74	22.74		29.7	29.8		2.16	2.15		1.06	1.13		<2	
26/06/2018	17:40	Fine	Middle	3.5	29.00	29.00	29.05	8.16	8.16	8.18	26.59	26.59	26.60	94.4	93.9	93.6	6.24	6.22	6.20	4.25	4.27	4.27	7	6.50
	17:42		Middle	3.5	29.10	29.10		8.20	8.20		26.61	26.61		93.0	93.2		6.16	6.17		4.27	4.27		6	
28/06/2018	20:40	Fine	Middle	3.0	29.00	29.00	29.00	7.81	7.81	7.81	24.61	24.61	24.61	12.7	13.4	13.4	0.84	0.89	0.89	1.19	1.09	1.20	9	9.00
	20:41		Middle	3.0	29.00	29.00		7.80	7.80		24.61	24.61		13.6	14.0		0.89	0.92		1.33	1.20		9	
30/06/2018	20:20	Cloudy	Middle	2.5	29.20	29.20	29.20	7.71	7.71	7.71	22.16	22.16	22.16	57.5	57.8	57.5	3.90	3.92	3.90	2.14	2.49	2.35	10	9.50
	20:21		Middle	2.5	29.20	29.20		7.71	7.71		22.16	22.16		57.4	57.3		3.89	3.89		2.44	2.31		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				
01/06/2018	14:40	Fine	Middle	4.0	28.70	28.70	28.50	8.12	8.12	8.11	30.27	30.27	30.37	79.0	80.0	81.1	5.20	5.25	5.33	8.18	8.17	8.18	<2	<2
	14:42		Middle	4.0	28.30	28.30		8.10	8.10		30.46	30.46		82.7	82.8		5.44	5.44		8.17	8.18		<2	
04/06/2018	13:50	Cloudy	Middle	4.0	28.00	28.00	28.05	8.38	8.38	8.38	31.06	31.06	31.06	86.4	86.4	85.9	5.68	5.68	5.65	2.55	2.55	2.53	3	3.50
	13:52		Middle	4.0	28.10	28.10		8.38	8.38		31.06	31.06		85.3	85.6		5.60	5.62		2.52	2.51		4	
06/06/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
09/06/2018	10:45	Fine	Middle	4.0	28.00	28.00	28.00	8.10	8.10	8.11	28.63	28.63	28.64	81.5	81.3	81.4	5.44	5.42	5.43	5.12	5.16	5.18	6	6.50
	10:47		Middle	4.0	28.00	28.00		8.12	8.12		28.65	28.65		81.4	81.4		5.43	5.43		5.20	5.24		7	
11/06/2018	11:20	Fine	Middle	4.0	29.10	29.10	29.15	8.23	8.23	8.23	29.27	29.27	29.27	83.0	83.3	82.9	5.42	5.44	5.41	6.41	6.40	6.41	3	3.00
	11:22		Middle	4.0	29.20	29.20		8.23	8.23		29.26	29.26		82.3	83.1		5.38	5.41		6.42	6.42		3	
13/06/2018	13:20	Cloudy	Middle	3.5	27.40	27.40	27.40	8.24	8.24	8.24	28.50	28.50	28.50	80.1	80.2	79.9	5.41	5.41	5.40	1.22	1.22	1.22	8	7.00
	13:22		Middle	3.5	27.40	27.40		8.24	8.24		28.50	28.50		79.4	80.0		5.36	5.40		1.21	1.23		6	
15/06/2018	13:55	Cloudy	Middle	4.0	27.70	27.70	27.70	8.16	8.16	8.16	29.47	29.47	29.48	90.1	90.2	90.1	6.06	6.02	6.03	1.88	1.89	1.88	3	3.50
	13:57		Middle	4.0	27.70	27.70		8.16	8.16		29.49	29.49		90.1	90.0		6.01	6.01		1.87	1.87		4	
19/06/2018	15:55	Cloudy	Middle	4.0	29.00	29.00	29.00	8.15	8.15	8.15	27.87	27.87	27.87	89.9	89.4	89.9	5.93	5.89	5.93	1.86	1.85	1.84	3	3.00
	15:57		Middle	4.0	29.00	29.00		8.15	8.15		27.87	27.87		90.1	90.2		5.94	5.95		1.84	1.81		3	
21/06/2018	20:35	Cloudy	Middle	3.0	28.60	28.60	28.60	8.04	8.04	8.04	25.58	25.58	25.58	69.3	70.0	69.5	4.66	4.70	4.67	1.06	1.09	1.12	3	3.00
	20:36		Middle	3.0	28.60	28.60		8.04	8.04		25.58	25.58		69.2	69.5		4.65	4.68		1.23	1.11		3	
23/06/2018	22:25	Cloudy	Middle	3.5	28.00	28.00	28.00	7.90	7.90	7.92	25.58	25.58	25.58	71.3	72.0	71.5	4.84	4.89	4.85	1.14	1.19	1.20	3	2.50
	22:26		Middle	3.5	28.00	28.00		7.93	7.93		25.58	25.58		71.0	71.5		4.82	4.86		1.21	1.24		2	
26/06/2018	13:05	Cloudy	Middle	3.5	29.80	29.80	29.75	8.21	8.21	8.22	26.76	26.76	26.76	95.7	95.3	95.0	6.28	6.25	6.23	4.60	4.61	4.63	10	10.50
	13:07		Middle	3.5	29.70	29.70		8.22	8.22		26.76	26.76		94.4	94.7		6.18	6.20		4.65	4.67		11	
28/06/2018	11:20	Fine	Middle	3.5	28.50	28.50	28.50	8.16	8.16	8.16	26.70	26.70	26.70	92.4	92.9	92.5	6.18	6.20	6.18	3.59	3.66	3.62	4	5.00
	11:22		Middle	3.5	28.50	28.50		8.16	8.16		26.70	26.70		92.5	92.2		6.19	6.16		3.61	3.63		6	
30/06/2018	13:05	Cloudy	Middle	3.5	29.30	29.30	29.35	8.13	8.13	8.14	26.50	26.50	26.51	94.0	94.4	93.7	6.21	6.23	6.18	4.07	4.06	4.06	6	6.00
	13:07		Middle	3.5	29.40	29.40		8.15	8.15		26.52	26.52		93.4	93.1		6.15	6.13		4.05	4.07		6	

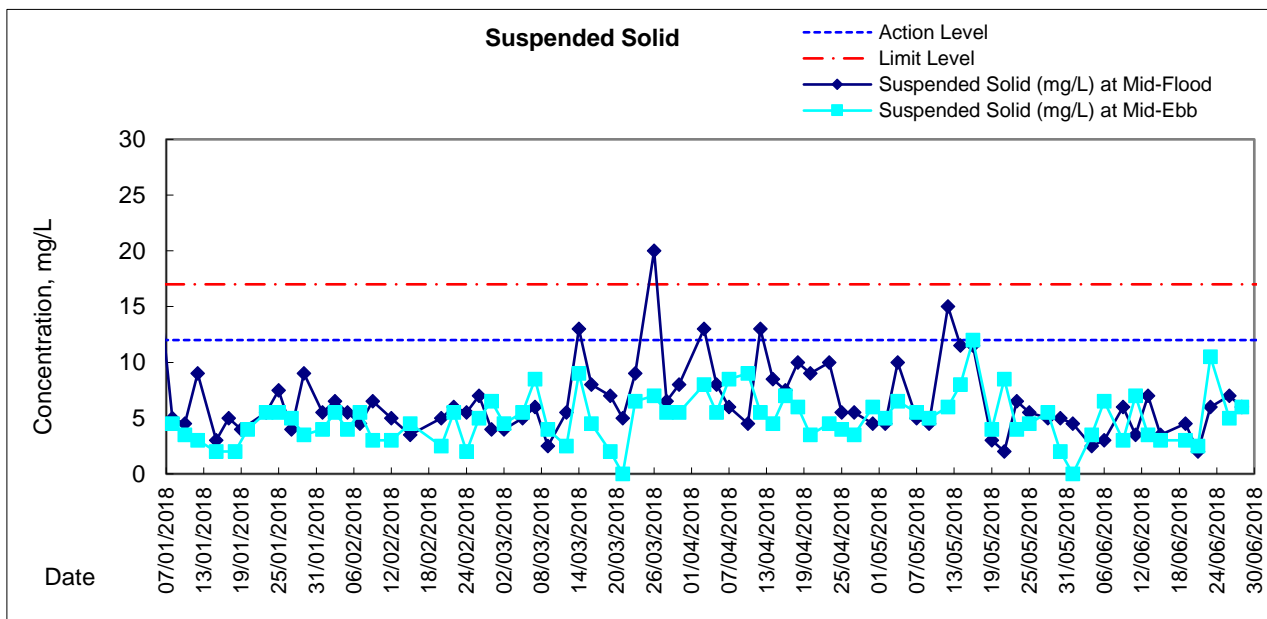
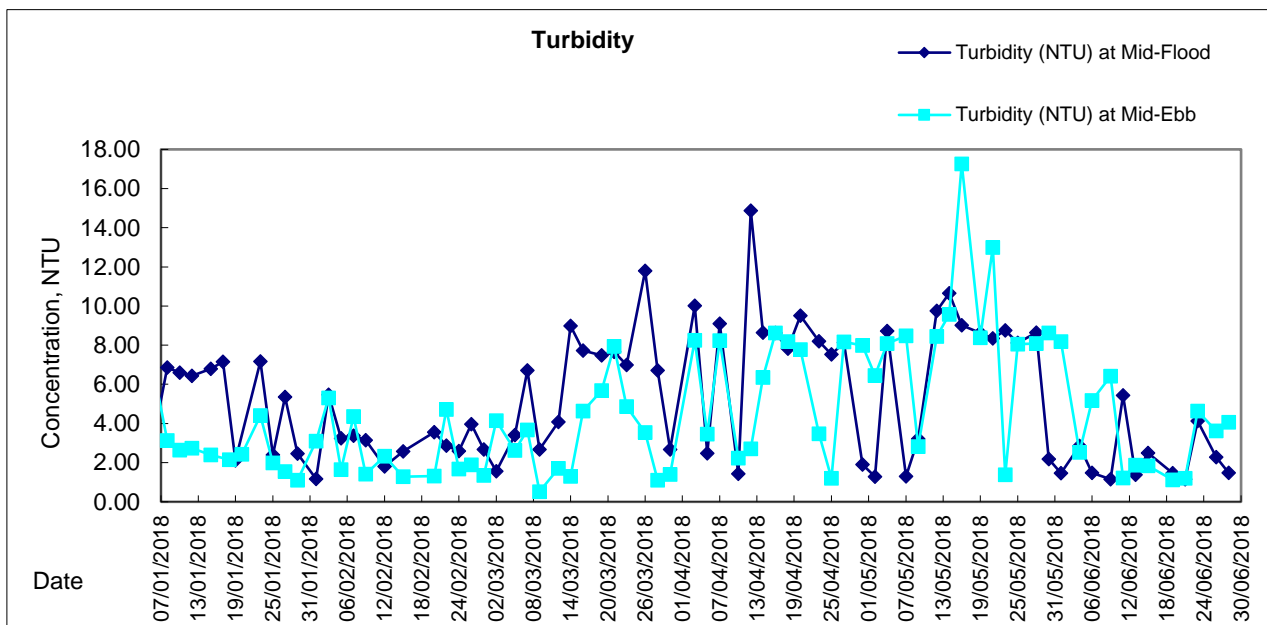
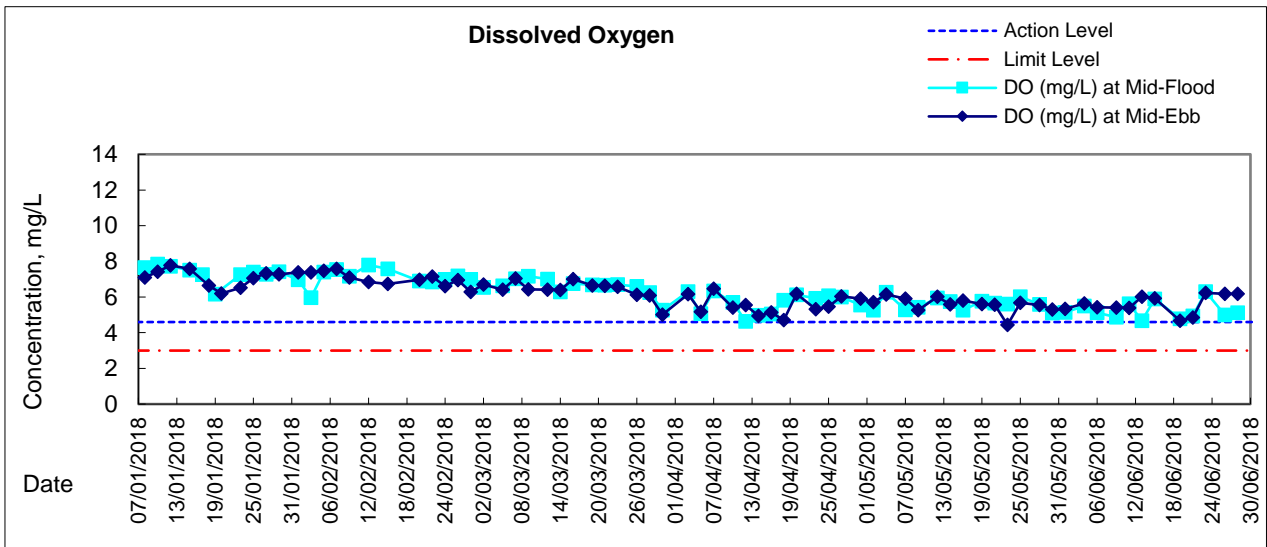


**Water Monitoring Result at Culvert J - Reference Station
Mid-Ebb Tide**

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				
01/06/2018	14:35	Fine	Middle	4	28.70	28.70	28.80	8.14	8.14	8.12	28.18	28.18	28.68	63.9	64.3	63.9	4.22	4.25	4.21	8.16	8.17	8.17	4	4.50
	14:37		Middle	4	28.90	28.90		8.10	8.10		29.18	29.18		63.7	63.5		4.20	4.18		8.17	8.16		5	
04/06/2018	13:45	Cloudy	Middle	4	28.30	28.30	28.40	8.32	8.32	8.33	30.80	30.80	30.80	84.3	84.4	84.5	5.51	5.52	5.53	3.00	3.01	3.04	3	2.50
	13:47		Middle	4	28.50	28.50		8.34	8.34		30.80	30.80		84.8	84.6		5.54	5.53		3.09	3.06		2	
06/06/2018	-	Amber Rainstorm Warning Signal	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
09/06/2018	10:40	Fine	Middle	4	28.10	28.10	28.20	8.12	8.12	8.12	26.22	26.22	26.22	71.6	72.7	72.1	4.86	4.90	4.87	7.63	7.61	7.62	4	5.00
	10:42		Middle	4	28.30	28.30		8.11	8.11		26.22	26.22		71.9	72.2		4.84	4.86		7.62	7.62		6	
11/06/2018	11:15	Fine	Middle	4	30.00	30.00	30.10	8.17	8.17	8.19	29.14	29.14	29.15	85.6	84.8	84.2	5.50	5.45	5.41	7.47	7.46	7.47	5	5.50
	11:17		Middle	4	30.20	30.20		8.21	8.21		29.16	29.16		83.4	83.0		5.35	5.33		7.46	7.47		6	
13/06/2018	13:15	Cloudy	Middle	4	27.40	27.40	27.45	8.17	8.17	8.19	28.37	28.37	28.37	79.2	79.9	79.3	5.35	5.39	5.35	1.57	1.48	1.52	7	6.00
	13:17		Middle	4	27.50	27.50		8.21	8.21		28.37	28.37		79.1	79.0		5.33	5.33		1.52	1.52		5	
15/06/2018	13:50	Cloudy	Middle	4	27.80	27.80	27.80	8.14	8.14	8.15	29.59	29.59	29.59	91.9	91.8	91.2	6.13	6.12	6.08	1.62	1.55	1.58	3	2.50
	13:52		Middle	4	27.80	27.80		8.15	8.15		29.59	29.59		90.9	90.3		6.06	6.02		1.57	1.57		2	
19/06/2018	15:50	Cloudy	Middle	4	29.10	29.10	29.10	8.10	8.10	8.10	27.86	27.86	27.87	85.8	84.9	85.7	5.65	5.59	5.64	1.98	1.95	1.94	6	5.00
	15:52		Middle	4	29.10	29.10		8.10	8.10		27.87	27.87		85.9	86.0		5.66	5.66		1.92	1.90		4	
21/06/2018	20:43	Cloudy	Middle	3	28.60	28.60	28.60	7.71	7.71	7.71	23.17	23.17	23.17	15.5	15.9	15.7	1.06	1.08	1.07	3.01	2.94	2.89	7	6.50
	20:44		Middle	3	28.60	28.60		7.71	7.71		23.17	23.17		15.4	15.8		1.05	1.08		2.81	2.79		6	
23/06/2018	22:37	Cloudy	Middle	3	28.10	28.10	28.10	7.52	7.52	7.52	21.20	21.20	21.20	31.0	32.0	31.8	2.22	2.23	2.25	1.08	1.12	1.14	4	4.00
	22:38		Middle	3	28.10	28.10		7.52	7.52		21.20	21.20		32.3	32.0		2.26	2.28		1.16	1.18		4	
26/06/2018	13:00	Cloudy	Middle	4	29.80	29.80	29.85	8.17	8.17	8.17	26.72	26.72	26.72	93.5	93.3	93.2	6.12	6.10	6.10	4.18	4.15	4.16	8	8.00
	13:02		Middle	4	29.90	29.90		8.17	8.17		26.72	26.72		93.2	92.8		6.09	6.07		4.16	4.16		8	
28/06/2018	11:15	Fine	Middle	4	28.50	28.50	28.55	8.04	8.04	8.05	23.81	23.81	23.81	79.4	79.6	79.6	5.39	5.40	5.40	7.19	7.23	7.23	6	6.50
	11:17		Middle	4	28.60	28.60		8.05	8.05		23.80	23.80		79.6	79.7		5.40	5.40		7.25	7.26		7	
30/06/2018	13:00	Cloudy	Middle	4	29.80	29.80	29.95	7.96	7.96	7.96	23.45	23.45	23.45	83.4	83.6	83.4	5.54	5.53	5.53	9.42	9.43	9.41	10	9.50
	13:02		Middle	4	30.10	30.10		7.96	7.96		23.45	23.45		83.3	83.1		5.53	5.51		9.40	9.39		9	



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





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

