

**Table C1** *Summary Table of DO, Turbidity and SS Levels Recorded between 26 April and 30 May 2014*

Sampling Date	Tidal Period	Station	Average DO Levels (mg/L)		Average Turbidity Level (NTU)	Average SS Level (mg/L)
			Bottom	Surface and Mid Depth		
2014/04/26	Mid-Ebb	DS1	6.60	6.64	8.43	8.00
		DS2	6.48	6.63	4.97	4.11
		DS3	6.32	6.58	5.37	6.11
		DS4	6.27	6.54	5.06	5.56
		DS5	6.28	6.52	4.97	4.56
		US1	6.66	6.77	7.54	7.17
		US2	6.49	6.52	8.72	8.50
		MW1	6.26	6.33	1.41	2.67
		THB1	6.33	6.54	7.37	4.67
		THB2	-	6.08	3.30	3.33
		WSR45C	6.18	6.42	2.86	3.56
		WSR46	6.29	6.54	8.48	8.67
	Mid-Flood	DS1	6.34	6.80	10.65	10.67
		DS2	6.65	6.79	9.37	9.00
		DS3	6.70	6.69	12.58	12.67
		DS4	6.72	6.75	8.98	8.78
		DS5	6.53	6.59	8.04	7.11
		US1	6.65	6.65	4.36	4.67
		US2	6.38	6.63	6.97	6.89
		MW1	6.29	6.38	3.20	2.44
		THB1	6.51	6.57	7.29	6.33
		THB2	-	-	-	-
		WSR45C	6.31	6.54	5.99	6.00
		WSR46	6.39	6.68	6.55	5.00
2014/04/29	Mid-Ebb	DS1	6.28	6.44	4.97	6.67
		DS2	6.27	6.39	4.85	6.22
		DS3	6.13	6.29	6.62	8.44
		DS4	6.12	6.34	6.66	6.78
		DS5	6.10	6.36	7.58	8.44
		US1	6.53	6.93	5.20	4.67
		US2	6.74	6.81	3.74	3.83
		MW1	6.20	6.38	1.68	3.89
		THB1	6.28	6.73	5.93	8.00
		THB2	-	6.22	3.27	3.67
		WSR45C	6.20	6.41	5.23	6.11
		WSR46	6.26	6.48	11.45	9.33
	Mid-Flood	DS1	6.34	6.51	6.85	7.00
		DS2	6.60	6.64	5.78	4.83
		DS3	6.48	6.64	10.03	10.67
		DS4	6.45	6.45	8.99	10.33
		DS5	6.42	6.42	9.46	9.44
		US1	6.42	6.48	4.72	5.83
		US2	6.21	6.49	5.72	6.44
		MW1	6.18	6.31	3.80	5.11
		THB1	6.20	6.19	14.49	19.00
		THB2	-	6.64	9.96	10.33
		WSR45C	6.22	6.49	12.66	13.67

Sampling Date	Tidal Period	Station	Average DO Levels (mg/L)		Average Turbidity Level (NTU)	Average SS Level (mg/L)	
			Bottom	Surface and Mid Depth			
		WSR46	6.19	6.58	7.23	14.11	
2014/05/01	Mid-Ebb	DS1	6.14	6.08	4.41	4.11	
		DS2	5.94	6.08	4.15	4.00	
		DS3	6.11	6.14	4.00	4.56	
		DS4	6.07	6.16	4.45	4.00	
		DS5	6.01	6.11	6.06	5.67	
		US1	6.14	6.26	4.60	5.33	
		US2	6.08	6.19	4.65	4.00	
		MW1	6.10	6.22	3.26	4.44	
		THB1	6.11	6.20	4.21	8.67	
		THB2	-	5.53	3.64	5.33	
			WSR45C	5.97	6.08	7.19	6.89
			WSR46	5.98	6.02	5.96	6.78
		Mid-Flood	DS1	6.05	6.08	4.49	5.67
			DS2	6.16	6.13	4.34	5.67
			DS3	6.06	6.07	4.84	5.67
			DS4	6.12	6.11	3.52	5.11
			DS5	5.98	6.09	5.48	5.22
			US1	6.02	6.06	9.81	8.78
			US2	6.01	6.07	7.51	6.67
			MW1	5.99	6.11	2.66	4.89
	THB1		6.22	6.10	4.72	7.00	
	THB2		-	5.07	4.40	6.33	
		WSR45C	6.01	6.10	4.45	6.11	
		WSR46	6.02	6.07	5.57	7.22	
2014/05/03	Mid-Ebb	DS1	6.58	6.70	5.58	9.50	
		DS2	6.18	6.36	4.33	4.56	
		DS3	6.22	6.47	4.87	5.00	
		DS4	6.16	6.37	5.58	5.00	
		DS5	6.19	6.41	5.41	5.00	
		US1	6.99	7.06	3.23	5.50	
		US2	6.95	6.95	3.03	5.83	
		MW1	6.50	6.63	2.57	4.44	
		THB1	6.66	6.70	3.43	4.33	
		THB2	-	6.44	2.44	6.67	
			WSR45C	6.20	6.40	5.48	8.44
			WSR46	6.20	6.24	9.31	7.33
		Mid-Flood	DS1	6.23	6.22	4.30	6.00
			DS2	6.22	6.25	3.25	2.17
			DS3	6.29	6.26	3.28	5.00
			DS4	6.31	6.28	3.35	3.89
			DS5	6.39	6.37	3.38	2.88
			US1	5.92	6.02	4.52	5.44
			US2	6.01	6.20	4.53	4.89
			MW1	6.02	6.15	2.17	2.67
	THB1		6.18	6.19	3.78	4.33	
	THB2		-	6.07	2.97	4.67	
		WSR45C	6.04	6.12	4.74	5.00	
		WSR46	6.10	6.19	5.47	7.56	
2014/05/05	Mid-Ebb	DS1	6.18	6.54	6.64	7.00	
		DS2	6.18	6.35	4.94	4.78	

Sampling Date	Tidal Period	Station	Average DO Levels (mg/L)		Average Turbidity Level (NTU)	Average SS Level (mg/L)
			Bottom	Surface and Mid Depth		
		DS3	6.22	6.47	4.06	4.33
		DS4	6.27	6.51	3.66	3.44
		DS5	6.17	6.39	4.00	2.67
		US1	6.73	6.93	3.42	2.20
		US2	6.91	6.96	2.88	2.83
		MW1	6.42	6.57	1.48	3.22
		THB1	6.87	6.87	2.33	3.00
		THB2	-	6.47	4.34	4.78
		WSR45C	6.15	6.41	4.80	5.00
		WSR46	6.19	6.68	2.95	2.83
	Mid-Flood	DS1	6.64	6.70	4.08	4.17
		DS2	6.66	6.72	2.88	3.33
		DS3	6.69	6.79	2.39	2.43
		DS4	6.83	6.78	2.32	3.11
		DS5	6.70	6.48	2.97	3.33
		US1	6.33	6.37	8.38	8.67
		US2	6.15	6.34	1.76	6.56
		MW1	6.25	6.46	3.08	3.33
		THB1	6.43	5.34	3.47	5.00
		THB2	-	6.41	3.87	3.33
		WSR45C	6.16	6.53	7.72	9.00
		WSR46	6.17	6.54	6.64	7.00
2014/05/07	Mid-Ebb	DS1	6.09	6.48	6.15	8.10
		DS2	5.76	6.00	9.65	12.27
		DS3	6.04	6.22	5.09	7.70
		DS4	6.00	6.18	4.11	4.93
		DS5	5.81	6.22	4.57	5.10
		US1	6.09	6.41	6.68	11.10
		US2	6.02	6.27	10.15	18.02
		MW1	6.10	6.16	1.91	2.59
		THB1	6.43	6.73	3.23	3.08
		THB2	-	5.42	5.63	3.00
		WSR45C	5.88	6.17	5.06	6.17
		WSR46	5.97	6.33	6.39	7.47
	Mid-Flood	DS1	6.29	6.40	3.52	5.88
		DS2	6.33	6.61	5.99	7.80
		DS3	6.59	6.64	2.51	6.43
		DS4	6.01	6.47	3.51	3.56
		DS5	6.11	6.37	3.10	4.46
		US1	6.28	6.41	3.34	3.57
		US2	5.93	6.21	4.67	4.84
		MW1	5.97	6.08	2.42	3.19
		THB1	6.20	6.26	5.50	6.22
		THB2	-	5.50	3.60	3.07
		WSR45C	5.90	6.07	3.43	3.94
		WSR46	5.92	6.16	8.62	9.99
2014/05/09	Mid-Ebb	DS1	6.46	6.49	5.00	5.07
		DS2	6.19	6.41	5.36	5.77
		DS3	6.15	6.31	5.70	6.40
		DS4	6.04	6.23	6.40	7.14
		DS5	5.90	6.19	6.37	6.81

Sampling Date	Tidal Period	Station	Average DO Levels (mg/L)		Average Turbidity Level (NTU)	Average SS Level (mg/L)
			Bottom	Surface and Mid Depth		
		US1	6.31	6.47	12.83	15.17
		US2	6.59	6.65	4.82	5.53
		MW1	5.97	6.01	3.42	5.83
		THB1	6.29	6.47	6.82	7.82
		THB2	-	-	-	-
		WSR45C	5.91	6.01	5.08	7.41
		WSR46	5.95	6.16	8.91	9.81
	Mid-Flood	DS1	6.26	6.39	7.55	10.23
		DS2	6.51	6.52	7.35	9.30
		DS3	6.53	6.52	7.25	10.98
		DS4	6.09	6.40	7.80	9.93
		DS5	6.21	6.35	10.54	12.24
		US1	6.36	6.33	8.62	10.38
		US2	5.88	6.11	8.63	11.07
		MW1	5.97	6.09	3.43	5.47
		THB1	6.33	6.33	9.43	11.98
		THB2	-	-	-	-
		WSR45C	5.93	6.13	8.38	11.24
		WSR46	6.10	6.28	8.04	10.73
2014/05/12	Mid-Ebb	DS1	6.80	6.96	4.59	10.47
		DS2	6.77	6.91	3.82	4.67
		DS3	6.71	6.81	3.47	4.91
		DS4	6.13	6.62	6.95	7.44
		DS5	5.87	6.46	12.16	7.54
		US1	6.66	6.83	7.52	7.48
		US2	6.61	6.76	6.75	6.28
		MW1	5.72	6.19	3.37	5.64
		THB1	6.72	6.90	5.15	8.12
		THB2	-	-	-	-
		WSR45C	5.72	6.75	8.37	9.34
		WSR46	6.11	6.38	7.04	7.73
	Mid-Flood	DS1	6.81	6.89	4.39	6.42
		DS2	6.92	6.93	6.62	5.58
		DS3	6.91	6.94	6.10	11.30
		DS4	6.44	6.86	7.48	6.41
		DS5	6.35	6.83	7.18	8.01
		US1	6.57	6.60	5.38	7.40
		US2	5.96	6.32	9.58	8.70
		MW1	5.75	5.86	5.90	9.61
		THB1	6.88	6.92	6.98	7.68
		THB2	-	-	-	-
		WSR45C	5.71	6.26	11.10	10.22
		WSR46	5.86	6.32	19.95	12.48
2014/05/14	Mid-Ebb	DS1	6.13	6.18	5.33	6.36
		DS2	5.72	6.12	7.52	10.42
		DS3	5.82	6.17	7.07	7.53
		DS4	5.83	6.24	7.03	8.92
		DS5	5.80	6.06	8.03	8.98
		US1	6.12	6.33	8.27	7.95
		US2	6.28	6.36	8.52	9.43
		MW1	5.86	6.02	3.67	7.02

Sampling Date	Tidal Period	Station	Average DO Levels (mg/L)		Average Turbidity Level (NTU)	Average SS Level (mg/L)
			Bottom	Surface and Mid Depth		
		THB1	5.66	6.00	6.93	8.18
		THB2	-	5.44	4.45	4.60
		WSR45C	5.74	6.02	7.76	8.88
		WSR46	5.66	6.01	10.33	12.32
	Mid-Flood	DS1	6.36	6.36	19.20	17.93
		DS2	6.48	6.51	8.95	11.70
		DS3	6.33	6.51	11.82	18.57
		DS4	5.93	6.68	12.95	11.90
		DS5	6.29	6.26	9.23	11.56
		US1	6.37	6.48	13.75	16.32
		US2	5.58	6.47	6.43	10.58
		MW1	5.82	5.71	10.00	13.33
		THB1	6.36	6.04	25.97	21.00
		THB2		6.06	13.83	11.90
		WSR45C	5.70	6.11	11.17	13.61
		WSR46	5.80	6.17	9.76	10.51
2014/05/16	Mid-Ebb	DS1	5.82	5.95	5.96	9.16
		DS2	5.49	5.82	11.88	25.88
		DS3	5.53	5.94	6.94	10.30
		DS4	5.55	5.78	7.65	10.33
		DS5	5.53	5.75	8.46	10.66
		US1	6.05	6.29	4.88	7.65
		US2	5.96	6.20	5.43	6.50
		MW1	5.70	5.83	6.21	9.33
		THB1	6.00	5.99	6.35	10.30
		THB2	-	-	-	-
		WSR45C	5.54	5.83	7.63	11.30
		WSR46	5.52	5.67	7.14	9.90
	Mid-Flood	DS1	5.79	5.80	8.64	13.22
		DS2	5.87	5.84	7.39	11.18
		DS3	5.92	5.86	5.73	8.14
		DS4	5.96	5.92	6.59	8.60
		DS5	5.97	5.95	4.98	7.43
		US1	5.64	5.74	7.59	12.01
		US2	5.53	5.79	10.84	14.52
		MW1	5.47	5.80	6.44	9.66
		THB1	5.74	5.79	5.53	7.02
		THB2	-	-	-	-
		WSR45C	5.50	5.70	18.24	10.21
		WSR46	5.52	5.71	14.28	15.04
2014/05/19	Mid-Ebb	DS1	5.53	6.27	5.84	6.36
		DS2	5.31	6.07	11.06	9.13
		DS3	5.62	6.10	5.66	6.89
		DS4	5.59	6.20	5.40	6.89
		DS5	5.49	6.00	7.93	9.02
		US1	5.64	6.75	5.57	8.48
		US2	5.60	6.36	5.76	7.61
		MW1	5.66	5.96	3.60	5.64
		THB1	5.78	5.56	6.43	6.62
		THB2	-	5.96	5.57	3.57
		WSR45C	5.33	5.88	7.83	7.97

Sampling Date	Tidal Period	Station	Average DO Levels (mg/L)		Average Turbidity Level (NTU)	Average SS Level (mg/L)
			Bottom	Surface and Mid Depth		
	Mid-Flood	WSR46	5.24	6.03	5.79	7.47
		DS1	5.50	5.52	4.75	5.55
		DS2	5.75	5.62	4.38	5.72
		DS3	6.01	5.85	4.03	4.73
		DS4	5.71	5.87	4.67	5.48
		DS5	5.88	5.98	4.42	5.29
		US1	5.39	5.41	5.57	6.81
		US2	5.37	5.44	7.27	9.22
		MW1	5.31	5.42	3.22	4.82
		THB1	5.21	5.13	29.83	12.47
		THB2	-	-	-	-
		WSR45C	5.19	5.26	9.76	12.21
		WSR46	5.27	5.36	8.38	10.83
		2014/05/21	Mid-Ebb	DS1	5.60	6.00
DS2	5.12			5.75	7.28	10.06
DS3	5.39			5.76	5.53	8.32
DS4	5.32			5.69	5.87	6.74
DS5	5.37			5.73	4.49	6.37
US1	5.92			6.79	4.55	5.08
US2	5.32			6.30	6.61	7.20
MW1	5.28			5.94	2.82	4.66
THB1	5.35			6.17	5.45	5.02
THB2	-			5.12	5.49	10.30
WSR45C	4.91			5.71	7.20	8.88
WSR46	5.14			5.74	3.65	5.38
Mid-Flood	DS1		6.09	5.92	4.28	6.47
	DS2		6.10	6.03	4.48	4.62
	DS3		6.12	6.21	4.71	5.51
	DS4		5.56	6.07	5.96	6.44
	DS5		5.65	6.19	4.34	5.80
	US1		5.43	5.54	4.18	5.41
	US2		5.43	5.64	4.34	5.81
	MW1		5.07	5.57	3.07	4.98
	THB1		5.84	5.82	12.19	10.52
	THB2		-	-	-	-
	WSR45C		5.06	5.43	4.46	5.00
	WSR46		5.05	5.71	10.50	10.16
2014/05/23	Mid-Ebb	DS1	6.20	6.26	3.23	3.58
		DS2	5.04	5.96	3.82	4.22
		DS3	5.12	5.79	3.83	4.67
		DS4	4.94	5.52	4.06	4.17
		DS5	4.76	5.48	6.95	7.41
		US1	5.76	5.88	32.45	24.15
		US2	6.18	6.34	2.27	3.17
		MW1	4.65	5.62	3.48	5.23
		THB1	5.90	6.31	3.58	3.52
		THB2	-	-	-	-
		WSR45C	4.76	5.29	6.99	8.22
		WSR46	4.86	5.11	6.34	5.68
	Mid-Flood	DS1	6.25	6.37	6.98	9.93
		DS2	6.76	6.79	2.83	3.55

Sampling Date	Tidal Period	Station	Average DO Levels (mg/L)		Average Turbidity Level (NTU)	Average SS Level (mg/L)
			Bottom	Surface and Mid Depth		
		DS3	5.56	6.20	3.48	4.34
		DS4	5.48	6.11	4.08	3.94
		DS5	5.79	6.21	3.28	3.14
		US1	5.94	6.10	3.29	3.70
		US2	4.76	5.71	6.79	6.67
		MW1	4.62	5.15	4.35	7.53
		THB1	5.63	6.09	5.35	3.07
		THB2	-	-	-	-
		WSR45C	4.75	5.36	8.13	7.80
		WSR46	5.01	5.80	5.46	5.26
2014/05/26	Mid-Ebb	DS1	6.61	6.75	3.32	3.72
		DS2	4.42	5.37	4.85	5.56
		DS3	5.11	5.45	3.42	4.31
		DS4	4.63	5.39	5.37	4.94
		DS5	4.57	4.93	5.85	5.69
		US1	6.10	6.64	2.80	4.25
		US2	5.16	6.42	3.87	4.15
		MW1	4.51	5.21	2.05	3.50
		THB1	5.71	6.74	3.00	3.00
		THB2	-	6.09	6.13	2.97
		WSR45C	4.44	5.15	6.42	5.42
		WSR46	4.54	5.36	6.65	5.98
	Mid-Flood	DS1	6.44	6.69	10.25	6.75
		DS2	6.74	6.67	15.03	10.98
		DS3	6.95	6.73	6.47	6.20
		DS4	5.93	7.23	7.42	7.21
		DS5	6.21	8.23	5.66	6.97
		US1	5.62	6.90	3.45	4.17
		US2	4.68	5.35	5.49	6.11
		MW1	4.57	4.95	2.83	3.79
		THB1	7.17	7.18	4.57	6.87
		THB2	-	8.36	4.07	5.80
		WSR45C	4.46	5.65	9.22	10.51
		WSR46	4.50	5.71	8.27	7.71
2014/05/28	Mid-Ebb	DS1	8.68	10.04	3.83	5.72
		DS2	5.51	8.46	2.61	4.56
		DS3	5.42	8.08	2.08	5.04
		DS4	4.78	8.32	3.22	5.33
		DS5	4.67	7.21	3.86	6.42
		US1	7.81	9.39	7.00	9.58
		US2	5.90	9.22	7.43	8.50
		MW1	4.57	6.46	1.44	3.79
		THB1	8.94	9.57	5.43	6.68
		THB2	-	7.95	4.20	6.60
		WSR45C	4.52	6.14	3.63	4.67
		WSR46	4.64	6.04	3.31	3.47
	Mid-Flood	DS1	10.05	10.12	2.38	5.03
		DS2	12.00	12.07	4.47	7.03
		DS3	5.97	10.69	9.57	14.48
		DS4	7.93	10.26	7.42	9.29
		DS5	10.63	10.99	6.20	9.43

Sampling Date	Tidal Period	Station	Average DO Levels (mg/L)		Average Turbidity Level (NTU)	Average SS Level (mg/L)
			Bottom	Surface and Mid Depth		
		US1	5.77	7.25	3.48	5.97
		US2	5.12	6.29	3.51	6.03
		MW1	4.88	5.25	2.04	5.84
		THB1	9.24	9.76	6.23	8.97
		THB2	-	9.59	9.93	16.30
		WSR45C	4.74	6.03	4.38	5.43
		WSR46	4.89	7.26	4.23	6.33
2014/05/30	Mid-Ebb	DS1	5.68	6.99	2.11	3.93
		DS2	4.43	6.09	3.04	6.23
		DS3	5.15	6.51	2.51	4.24
		DS4	5.07	5.98	2.49	4.29
		DS5	5.20	6.15	2.26	3.74
		US1	7.10	9.40	2.97	7.17
		US2	5.24	7.37	2.86	4.63
		MW1	6.24	7.13	1.48	3.63
		THB1	6.52	8.77	3.73	6.20
		THB2	-	8.99	2.60	4.00
	Mid-Flood	WSR45C	4.79	6.21	4.42	6.11
		WSR46	4.93	6.20	2.68	4.83
		DS1	5.95	5.61	1.90	3.13
		DS2	6.83	5.79	2.12	4.53
		DS3	6.30	6.91	2.35	5.44
		DS4	5.59	6.29	3.32	5.57
		DS5	5.40	6.62	3.02	6.06
		US1	5.14	5.78	1.94	3.54
		US2	4.95	5.60	1.87	2.89
		MW1	4.66	5.65	1.36	3.24
THB1	6.08	5.79	2.25	3.18		
THB2	-	6.82	2.50	4.53		
WSR45C	4.84	5.47	2.75	4.38		
WSR46	5.02	5.75	5.46	4.68		

Notes:

1. Please refer to Table C2 below for the Action and Limit Levels for dredging activities.
2. Cell shaded yellow indicated value exceeding the Action Level criteria.
3. Cell shaded red indicated value exceeding the Limit Level criteria.
4. Only mid-depth water was sampled at Station THB2 because water depth was less than 3m.
5. Sampling at Station THB2 during mid-flood tides of 26 April, 19 and 21 May 2014 was cancelled due to adverse weather condition.
6. Sampling at Station THB2 on 9, 12, 16 and 23 May 2014 was cancelled due to adverse weather condition.



**Table C2 Action and Limit Levels of Water Quality for Dredging, Backfilling and Capping Activities**

<b>Parameter</b>	<b>Action Level</b>	<b>Limit Level</b>
Dissolved Oxygen (DO) <sup>(1)</sup>	<u>Surface and Mid-depth</u> <sup>(2)</sup> The average of the impact, WSR 45C and WSR 46 station readings are < 5%-ile of baseline data for surface and middle layer = <b>4.32 mg L<sup>-1</sup></b>  and  Significantly less than the reference stations mean DO (at the same tide of the same day)	<u>Surface and Mid-depth</u> <sup>(2)</sup> The average of the impact, WSR 45C and WSR 46 station readings are < <b>4 mg L<sup>-1</sup></b>  and  Significantly less than the reference stations mean DO (at the same tide of the same day)
	<u>Bottom</u> The average of the impact, WSR 45C and WSR 46 station readings are < 5%-ile of baseline data for bottom layers = <b>3.12 mg L<sup>-1</sup></b>  and  Significantly less than the reference stations mean DO (at the same tide of the same day)	<u>Bottom</u> The average of the impact station, WSR 45C and WSR 46 readings are < <b>2 mg L<sup>-1</sup></b>  and  Significantly less than the reference stations mean DO (at the same tide of the same day)
Depth-averaged Suspended Solids (SS) <sup>(3) (4)</sup>	The average of the impact, WSR 45C and WSR 46 station readings are > 95%-ile of baseline data for depth average = <b>21.60 mg L<sup>-1</sup></b>  and  120% of control station's SS at the same tide of the same day	The average of the impact, WSR 45C and WSR 46 station readings are > 99%-ile of baseline data for depth average = <b>40.10 mg L<sup>-1</sup></b>  and  130% of control station's SS at the same tide of the same day
Depth-averaged Turbidity (Tby) <sup>(3) (4)</sup>	The average of the impact, WSR 45C and WSR 46 station readings are > 95%-ile of baseline data = <b>25.04 NTU</b>  and  120% of control station's Tby at the same tide of the same day	The average of the impact, WSR 45C and WSR 46 station readings are > 99%-ile of baseline data = <b>32.68 NTU</b>  and  130% of control station's Tby at the same tide of the same day

**Notes:**

- (1) For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- (2) The Action and Limit Levels for DO for Surface & Middle layers were calculated from the combined pool of baseline surface layer data and baseline middle layer data.
- (3) "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths.
- (4) For turbidity and SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.

**Table C3 Results of Baseline Monitoring conducted for SB CMPs in July and August 2012**

Parameter	Detection Limit	Stations around SB CMP			EPD Stations (NM1, NM2, NM3, NM5 and NM6)		
		Average	Min	Max	Average	Min	Max
DO (mg/L)	0.1	5.6	2.5	12.2	5.1	2.3	10.7
Turbidity (NTU)	0.1	9.5	1.5	74.9	9.6	1.9	120.1
SS (mg/L)	2	9.9	3.1	130.7	8.8	0.8	49.3
Arsenic (µg/L)	10	<10	<10	<10	<10	<10	<10
Cadmium (µg/L)	0.2	0.2	0.2	0.4	0.2	0.2	0.2
Chromium (µg/L)	1	1.5	1.0	2.0	2.0	1.0	3.0
Copper (µg/L)	1	2.3	1.0	13.0	1.2	1.0	11.0
Lead (µg/L)	1	1.3	1.0	2.0	5.0	1.0	9.0
Mercury (µg/L)	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel (µg/L)	1	2.2	1.0	7.0	2.1	1.0	5.0
Silver (µg/L)	1	<1	<1	<1	<1	<1	<1
Zinc (µg/L)	10	18.9	10.0	173.0	23.7	10.0	224.0
NH <sub>3</sub> -N (mg/L)	0.01	0.1	0.0	0.4	0.1	0.0	0.4
TIN (mg/L)	0.1	0.8	0.3	1.7	0.8	0.2	1.8
BOD <sub>5</sub> (mg/L)	2	<2	<2	<2	<2	<2	<2

**Table C4 In-situ Monitoring Results for Routine Water Quality Monitoring of CMP 1 in May 2014**

Sampling Period	Stations	Temp (°C)	Salinity (ppt)	Turbidity (NTU)	Dissolved Oxygen (%)	(mg L <sup>-1</sup> )	pH (mg L <sup>-1</sup> )
May 2014	RFE (Reference)	23.77	27.35	17.11	78.51	5.68	7.84
	IPE (Impact)	24.30	20.88	6.47	84.23	6.26	7.86
	INE (Intermediate)	24.43	20.89	15.12	83.70	6.21	7.86
	Ma Wan	23.65	29.69	8.94	79.24	5.66	7.86
	Shum Shui Kok	23.86	26.55	12.14	80.86	5.86	7.91
	Tai Mo To	23.99	23.25	17.10	78.03	5.75	7.78
	Tai Ho Bay 1	24.40	19.17	5.46	83.43	6.25	7.82
	Tai Ho Bay 2	-	-	-	-	-	-
	WQO	N/A	24.61-30.08#	N/A	N/A	>4	6.5-8.5

**Notes:**

#Not exceeding 10% of natural ambient level which is the result obtained from the Reference Station.

Cell shaded yellow / red indicate value exceeding the Action/Limit levels.

**Table C5 Laboratory Results for Routine Water Quality Monitoring of CMP 1 in May 2014**

Sampling Period	Stations	As (µg/L)	Cd (µg/L)	Cr (µg/L)	Cu (µg/L)	Pb (µg/L)	Hg (µg/L)	Ni (µg/L)	Ag (µg/L)	Zn (µg/L)	NH <sub>3</sub> (mg/L)	TIN (mg/L)	BOD <sub>5</sub> (mg/L)	SS (mg/L)
May 2014	RFE	1.81	<LOR	0.72	5.91	1.48	<LOR	3.32	<LOR	11.97	0.32	0.71	0.86	19.88
	IPE	2.06	<LOR	<LOR	3.60	0.63	<LOR	3.96	<LOR	9.89	0.39	1.05	0.85	6.76
	INE	1.82	<LOR	<LOR	1.84	0.80	<LOR	3.63	<LOR	9.28	0.33	1.04	1.12	12.38
	Ma Wan	1.25	<LOR	0.59	7.96	1.00	<LOR	1.54	<LOR	13.89	0.25	0.45	1.46	11.05
	Shum Shui Kok	1.36	<LOR	<LOR	1.66	<LOR	<LOR	2.58	<LOR	11.03	0.33	0.71	0.94	9.09
	Tai Mo To	1.71	<LOR	<LOR	5.41	1.54	<LOR	3.45	<LOR	9.76	0.32	0.80	0.85	11.03
	Tai Ho Bay 1	1.68	<LOR	<LOR	1.48	<LOR	<LOR	3.40	<LOR	6.13	0.32	0.85	0.56	7.58

WQO of TIN: 0.5 mg/L

Wet Season WQO of SS: 12.0 mg/L

**Note:** Cell shaded yellow / red indicate value exceeding the Action/Limit levels.

**Table C6** *Water Column Profiling Results for CMP 1 on 15 May 2014*

Stations	Temp (°C)	Salinity (ppt)	Turbidity (NTU)	Dissolved Oxygen		pH	Suspended Solids
				(%)	(mg L <sup>-1</sup> )	(mg L <sup>-1</sup> )	(mg L <sup>-1</sup> )
WCP 1 (Downstream)	25.38	20.68	5.63	83.74	6.11	7.76	8.33
WCP 2 (Upstream)	25.75	20.73	15.26	87.14	6.32	7.77	11.03
WQO (wet season)	N/A	18.63- 22.81#	N/A	N/A	>4	6.5-8.5	12.00

**Note:** #Not exceeding 10% of natural ambient level which is the result obtained from the Reference Station.