Table C1 *Summary Table of DO, Turbidity and SS Levels Recorded in February and March 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		
2014/02/27	Mid-Ebb	DS1	8.25	8.47	7.05	6.67
		DS2	8.40	8.48	4.73	5.83
		DS3	8.19	8.57	2.43	3.89
		DS4	8.36	8.53	2.38	4.11
		DS5	8.21	8.55	2.38	4.22
		US1	8.64	8.70	3.46	4.00
		US2	8.64	8.71	2.57	3.83
		MW1	6.94	7.18	1.26	3.33
		THB1	8.41	8.47	2.97	4.83
		THB2	-	8.12	4.63	3.00
		WSR45C	7.46	8.08	1.41	3.22
		WSR46	8.27	8.69	2.31	2.89
	Mid-Flood	DS1	8.53	8.67	3.04	3.67
		DS2	8.70	8.74	4.07	5.17
		DS3	8.89	8.91	3.29	4.67
		DS4	8.92	9.00	4.27	4.83
		DS5	8.92	9.04	4.20	4.44
		US1	8.61	8.67	2.84	3.67
		US2	8.45	8.56	2.28	2.67
		MW1	7.17	7.29	1.39	3.33
		THB1	8.75	8.83	4.44	4.83
		THB2	-	8.29	11.89	9.00
		WSR45C	7.86	8.09	2.26	3.89
		WSR46	8.21	8.56	5.44	4.89
2014/03/01	Mid-Ebb	DS1	8.19	8.34	4.87	6.50
		DS2	8.21	8.29	4.50	5.50
		DS3	8.22	8.31	3.10	5.11
		DS4	8.09	8.15	6.61	7.00
		DS5	8.12	8.38	5.41	8.56
		US1	8.46	8.50	3.03	5.00
		US2	8.17	8.29	4.53	5.33
		MW1	7.23	7.32	1.92	3.89
		THB1	8.33	8.48	2.85	4.83
		THB2	-	7.93	5.16	7.00
		WSR45C	7.45	7.92	2.55	5.89
		WSR46	8.17	8.52	5.86	6.89
	Mid-Flood	DS1	8.47	8.46	6.67	9.33
		DS2	8.49	8.52	6.25	9.67
		DS3	8.59	8.62	8.18	12.67
		DS4	8.59	8.66	7.11	8.50
		DS5	8.35	8.43	6.52	7.67
		US1	8.56	8.60	4.67	8.00
		US2	8.51	8.56	5.16	7.67
		MW1	7.44	7.54	3.25	5.89
		THB1	8.66	8.70	24.15	17.50
		THB2	-	9.17	11.92	6.67
		WSR45C	7.84	8.17	9.68	8.00

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	8.31	8.54	6.05	6.33
2014/01/15	Mid-Ebb	DS1	7.59	7.61	6.48	8.67
		DS2	7.59	7.61	3.86	4.78
		DS3	7.58	7.60	3.37	4.78
		DS4	7.75	7.73	2.31	3.89
		DS5	7.74	7.78	2.26	3.56
		US1	8.03	8.07	5.90	7.00
		US2	8.00	8.19	5.53	6.00
		MW1	7.54	7.59	2.14	3.44
		THB1	7.78	7.70	7.03	8.00
		THB2	-	7.69	8.80	7.67
		WSR45C	7.60	7.60	2.56	3.44
		WSR46	7.43	7.49	7.82	9.67
	Mid-Flood	DS1	7.74	7.74	7.98	10.50
		DS2	7.83	7.83	9.63	11.50
		DS3	7.83	7.83	5.97	6.33
		DS4	7.91	7.90	5.70	7.50
		DS5	7.76	7.84	5.99	7.11
		US1	7.62	7.60	6.63	8.17
		US2	7.55	7.55	8.87	11.00
		MW1	7.33	7.40	3.04	4.44
		THB1	7.70	7.66	5.98	6.83
		THB2	-	7.16	2.10	4.33
		WSR45C	7.49	7.48	7.24	8.89
		WSR46	7.74	7.61	12.23	14.33
2014/03/03	Mid-Ebb	DS1	7.98	8.00	12.41	14.00
		DS2	7.84	7.97	6.12	9.22
		DS3	7.74	7.90	7.57	7.00
		DS4	7.81	7.98	7.10	6.89
		DS5	7.65	8.05	4.84	4.56
		US1	8.20	8.22	6.00	5.83
		US2	8.07	8.15	5.73	5.50
		MW1	7.39	7.48	2.50	3.56
		THB1	8.23	8.28	2.83	4.50
		THB2	-	7.73	5.42	5.67
		WSR45C	7.47	7.82	4.01	5.44
		WSR46	7.76	8.01	3.62	5.78
	Mid-Flood	DS1	7.91	7.92	5.15	6.33
		DS2	8.00	7.95	7.00	7.83
		DS3	7.97	7.97	5.37	5.83
		DS4	7.88	7.90	6.03	6.89
		DS5	7.76	7.74	6.11	5.67
		US1	7.94	7.94	5.92	6.67
		US2	7.88	7.89	6.63	6.56
		MW1	7.40	7.51	2.81	4.67
		THB1	7.85	7.87	4.57	6.17
		THB2	-	7.34	7.79	8.00
		WSR45C	7.80	7.89	5.25	6.11
		WSR46	7.87	7.91	5.27	5.78
2014/03/05	Mid-Ebb	DS1	7.55	7.63	12.63	15.44
		DS2	7.47	7.61	8.17	7.33

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	7.51	7.65	4.96	5.67
		DS4	7.49	7.61	4.72	4.78
		DS5	7.23	7.59	4.92	3.89
		US1	7.82	7.86	4.27	4.33
		US2	7.55	7.83	5.75	7.00
		MW1	7.05	7.18	2.57	4.89
		THB1	7.40	7.70	5.04	7.00
		THB2	-	7.48	5.50	3.67
		WSR45C	7.26	7.50	5.22	8.78
		WSR46	7.35	7.62	4.20	5.89
	Mid-Flood	DS1	7.75	7.64	4.87	5.67
		DS2	7.66	7.65	5.28	6.33
		DS3	7.69	7.67	5.68	5.17
		DS4	7.59	7.59	8.14	7.56
		DS5	7.52	7.50	8.87	9.22
		US1	7.70	7.65	4.88	4.33
		US2	7.63	7.62	6.41	7.33
		MW1	7.05	7.18	2.69	3.22
		THB1	7.45	7.51	4.00	4.67
		THB2	-	7.13	7.52	7.33
		WSR45C	7.18	7.38	6.29	5.89
		WSR46	7.36	7.40	8.42	9.11
2014/03/07	Mid-Ebb	DS1	7.31	7.32	7.02	8.44
		DS2	7.27	7.33	2.96	2.56
		DS3	7.14	7.27	3.28	3.67
		DS4	7.08	7.22	3.61	3.89
		DS5	7.09	7.17	3.68	6.22
		US1	7.47	7.48	9.29	9.78
		US2	7.55	7.53	7.77	9.83
		MW1	6.92	7.00	1.75	4.56
		THB1	7.30	7.30	6.09	8.83
		THB2	-	7.81	4.73	5.67
		WSR45C	6.92	7.08	3.25	4.44
		WSR46	7.01	7.17	5.11	5.89
	Mid-Flood	DS1	7.30	7.27	7.28	6.17
		DS2	7.32	7.31	8.88	8.33
		DS3	7.50	7.51	6.53	7.83
		DS4	7.47	7.47	6.80	7.44
		DS5	7.38	7.41	7.77	7.56
		US1	7.33	7.30	4.77	8.11
		US2	7.19	7.16	3.92	3.89
		MW1	6.81	6.88	2.10	6.56
		THB1	7.19	7.19	4.36	7.50
		THB2	-	7.64	4.60	5.67
		WSR45C	6.88	6.97	4.28	5.33
		WSR46	7.04	7.06	5.20	5.78
2014/03/11	Mid-Ebb	DS1	6.89	6.92	9.19	18.89
		DS2	7.04	7.01	3.59	3.78
		DS3	7.11	7.04	3.42	3.33
		DS4	7.02	7.03	3.39	3.67
		DS5	6.93	6.96	3.37	3.22

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	7.09	7.04	8.27	9.83
		US2	7.16	7.13	18.12	19.17
		MW1	6.81	6.85	1.51	3.00
		THB1	6.90	6.88	4.70	6.83
		THB2	-	7.13	5.96	8.33
		WSR45C	6.86	6.93	2.30	4.33
		WSR46	7.02	7.06	7.44	7.78
	Mid-Flood	DS1	7.18	7.16	11.23	11.50
		DS2	7.40	7.41	10.93	10.67
		DS3	7.49	7.48	9.18	9.33
		DS4	7.49	7.51	9.01	9.67
		DS5	7.67	7.57	10.04	9.89
		US1	7.03	7.06	7.50	7.67
		US2	7.14	7.11	6.41	7.33
		MW1	6.83	6.87	1.17	2.44
		THB1	7.01	7.02	8.13	11.17
		THB2	-	7.63	5.13	7.00
		WSR45C	6.89	6.92	2.71	5.78
		WSR46	6.84	6.95	6.12	8.11
2014/03/13	Mid-Ebb	DS1	7.41	7.46	11.77	8.67
		DS2	7.43	7.47	5.68	6.67
		DS3	7.31	7.40	6.24	9.67
		DS4	7.12	7.23	6.26	6.78
		DS5	7.18	7.26	4.81	5.22
		US1	7.50	7.53	5.28	5.83
		US2	7.60	7.64	5.82	7.00
		MW1	6.72	6.81	2.29	3.44
		THB1	7.09	7.32	6.44	9.17
		THB2	-	6.44	8.70	5.00
		WSR45C	6.91	7.16	3.92	5.89
		WSR46	7.05	7.16	6.95	7.44
	Mid-Flood	DS1	7.44	7.57	10.22	10.83
		DS2	7.54	7.65	7.03	9.00
		DS3	7.72	7.73	8.25	11.83
		DS4	7.53	7.57	9.16	8.67
		DS5	7.45	7.55	12.51	13.78
		US1	7.40	7.46	6.17	8.00
		US2	7.34	7.43	6.12	6.33
		MW1	6.77	6.82	2.36	6.00
		THB1	7.06	7.30	7.86	7.17
		THB2	-	6.76	11.60	14.00
		WSR45C	6.98	7.24	5.82	9.56
		WSR46	7.13	7.24	3.91	4.33
2014/03/15	Mid-Ebb	DS1	7.13	7.12	9.42	15.00
		DS2	7.09	7.13	20.63	35.44
		DS3	6.95	7.08	10.96	21.89
		DS4	6.91	7.12	7.39	11.11
		DS5	6.97	7.14	9.33	14.78
		US1	7.09	7.10	13.87	18.33
		US2	7.17	7.20	7.76	12.50
		MW1	6.74	6.83	3.80	6.22

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	7.03	7.09	6.14	8.33
		THB2	-	6.82	6.82	7.67
		WSR45C	6.81	7.15	8.49	15.44
		WSR46	7.12	7.15	12.90	16.67
	Mid-Flood	DS1	7.01	7.02	5.99	9.50
		DS2	7.07	7.07	6.78	9.50
		DS3	7.16	7.15	6.98	10.17
		DS4	7.24	7.20	7.75	10.83
		DS5	7.24	7.25	7.87	10.33
		US1	7.18	7.17	11.21	16.83
		US2	7.16	7.14	8.13	11.11
		MW1	6.63	6.81	5.03	7.78
		THB1	7.02	6.96	5.52	6.50
		THB2	-	6.77	4.77	7.67
		WSR45C	6.91	7.02	10.99	13.33
		WSR46	7.13	7.15	11.19	17.00
2014/03/17	Mid-Ebb	DS1	7.17	7.17	7.27	10.67
		DS2	7.13	7.14	12.28	17.44
		DS3	7.15	7.18	6.54	8.67
		DS4	7.08	7.11	21.86	19.00
		DS5	7.06	7.11	22.85	18.11
		US1	7.21	7.27	7.98	8.17
		US2	7.07	7.09	15.54	19.50
		MW1	6.82	6.94	5.48	8.78
		THB1	6.97	7.01	9.94	12.00
		THB2	-	6.54	7.92	7.33
		WSR45C	7.00	7.06	23.23	23.22
		WSR46	7.06	7.12	12.00	12.78
	Mid-Flood	DS1	7.16	7.18	9.34	12.17
		DS2	7.14	7.16	9.63	10.33
		DS3	7.08	7.08	11.55	17.67
		DS4	7.06	7.07	9.44	11.67
		DS5	7.18	7.11	7.60	10.33
		US1	7.11	7.11	11.24	12.00
		US2	7.03	7.05	12.05	17.33
		MW1	6.72	6.82	7.42	9.11
		THB1	7.08	7.10	8.65	10.83
		THB2	-	6.76	6.49	5.33
		WSR45C	7.04	7.10	13.64	18.11
		WSR46	7.14	7.18	23.27	16.44
2014/03/19	Mid-Ebb	DS1	7.09	7.13	13.91	15.56
		DS2	6.89	6.99	19.21	26.78
		DS3	7.00	7.05	20.99	22.56
		DS4	6.97	7.05	22.18	14.33
		DS5	6.98	7.03	28.90	26.33
		US1	7.40	7.46	9.70	10.00
		US2	7.34	7.40	17.36	20.67
		MW1	6.69	6.79	5.58	7.22
		THB1	6.92	7.06	9.69	11.00
		THB2	-	6.80	4.77	4.00
		WSR45C	6.81	6.87	17.67	18.78

Sampling Date	Tidal Period	Station	Average DO Levels (mg/L)		Average Turbidity Level (NTU)	Average SS Level (mg/L)
			Bottom	Surface and Mid Depth		
		WSR46	6.80	6.88	14.43	18.33
	Mid-Flood	DS1	7.20	7.16	7.98	12.50
		DS2	7.28	7.23	9.73	23.22
		DS3	7.24	7.24	8.82	6.11
		DS4	7.29	7.30	11.27	11.78
		DS5	7.37	7.37	10.52	13.50
		US1	7.13	7.10	17.13	19.22
		US2	7.12	7.14	17.59	23.44
		MW1	6.70	6.81	7.87	9.00
		THB1	6.89	6.91	11.15	12.67
		THB2	-	6.43	7.16	9.00
		WSR45C	6.79	6.85	16.51	32.22
		WSR46	6.89	6.92	31.68	39.78
2014/03/21	Mid-Ebb	DS1	6.87	6.93	23.82	28.33
		DS2	6.57	6.69	11.78	19.89
		DS3	6.74	6.80	11.42	15.89
		DS4	6.77	6.76	15.91	24.00
		DS5	6.69	6.76	15.51	22.78
		US1	7.20	7.00	13.53	21.56
		US2	7.01	6.97	13.93	22.56
		MW1	6.67	6.75	8.17	19.00
		THB1	7.17	7.04	6.83	15.17
		THB2	-	6.58	10.72	14.67
		WSR45C	6.65	6.70	21.12	37.00
		WSR46	6.76	6.80	13.67	22.11
	Mid-Flood	DS1	6.92	6.91	15.10	25.83
		DS2	6.93	6.91	12.66	17.00
		DS3	6.98	6.96	15.56	17.67
		DS4	6.98	6.95	11.02	16.78
		DS5	6.99	7.00	15.39	18.78
		US1	6.77	6.81	9.74	21.78
		US2	6.77	6.84	8.13	15.56
		MW1	6.64	6.69	6.99	16.11
		THB1	6.99	7.00	8.88	18.17
		THB2	-	6.38	12.12	17.33
		WSR45C	6.73	6.93	8.80	20.22
		WSR46	6.72	6.83	19.64	18.22
2014/03/24	Mid-Ebb	DS1	7.23	7.26	4.88	11.67
		DS2	6.86	7.04	4.23	11.56
		DS3	6.91	7.18	3.94	10.33
		DS4	7.02	7.22	3.41	10.89
		DS5	6.92	7.14	3.10	6.56
		US1	7.27	7.33	12.59	19.67
		US2	7.53	7.63	9.35	17.56
		MW1	6.93	7.03	2.73	8.56
		THB1	7.52	7.66	6.18	9.33
		THB2	-	8.02	7.06	8.33
		WSR45C	6.89	7.16	5.02	8.67
		WSR46	7.31	7.42	5.78	8.33
	Mid-Flood	DS1	7.27	7.41	9.55	14.33
		DS2	7.48	7.50	10.77	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		
		DS3	7.42	7.54	6.33	8.67
		DS4	7.47	7.47	6.83	11.00
		DS5	7.60	7.61	6.22	9.22
		US1	7.27	7.28	3.91	7.00
		US2	6.95	7.14	4.36	11.67
		MW1	6.84	6.96	2.54	3.78
		THB1	7.30	7.32	5.43	7.83
		THB2	-	7.08	7.49	8.33
		WSR45C	6.97	7.14	3.62	6.00
		WSR46	7.03	7.17	11.94	14.22
2014/03/26	Mid-Ebb	DS1	7.20	7.27	6.16	11.50
		DS2	6.99	7.19	2.85	5.11
		DS3	6.96	7.19	3.23	6.00
		DS4	6.99	7.24	2.34	6.22
		DS5	6.90	7.16	3.17	6.00
		US1	7.37	7.50	6.82	11.17
		US2	7.36	7.48	10.04	14.89
		MW1	6.90	7.00	2.07	2.67
		THB1	7.15	7.40	6.47	8.33
		THB2	-	7.35	13.29	4.67
		WSR45C	6.99	7.21	4.28	7.11
		WSR46	7.08	7.44	5.58	5.78
	Mid-Flood	DS1	7.56	7.83	6.52	10.33
		DS2	7.60	7.80	5.64	10.33
		DS3	7.39	7.73	5.61	6.89
		DS4	7.43	7.71	4.48	8.00
		DS5	7.42	7.59	5.38	10.56
		US1	7.48	7.66	4.55	7.33
		US2	6.96	7.26	7.60	10.67
		MW1	6.89	7.00	2.34	4.67
		THB1	7.27	7.67	5.98	8.33
		THB2	-	7.88	9.96	5.00
		WSR45C	6.91	7.34	5.26	7.78
		WSR46	6.95	7.28	6.76	8.67
2014/03/28	Mid-Ebb	DS1	7.56	7.70	7.67	12.67
		DS2	7.00	7.32	6.30	12.11
		DS3	7.44	7.84	5.08	13.11
		DS4	7.32	7.67	5.78	9.11
		DS5	7.22	7.57	7.13	16.78
		US1	8.27	8.43	8.90	11.83
		US2	8.07	8.11	8.68	16.67
		MW1	6.95	7.03	2.96	16.11
		THB1	7.96	8.37	8.62	13.67
		THB2	-	7.89	7.69	15.00
		WSR45C	6.93	7.19	5.62	11.00
		WSR46	7.09	7.50	11.39	19.44
	Mid-Flood	DS1	7.87	8.18	8.55	13.33
		DS2	7.92	8.05	15.80	16.17
		DS3	8.27	8.42	11.19	19.00
		DS4	8.60	8.78	11.60	15.44
		DS5	8.61	8.82	8.73	11.44

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	7.41	7.60	14.11	15.33
		US2	7.23	7.85	10.39	17.89
		MW1	7.29	7.32	4.28	6.67
		THB1	7.71	7.92	12.73	24.00
		THB2	-	9.28	12.09	12.33
		WSR45C	7.19	7.57	14.16	17.22
		WSR46	7.46	7.92	13.86	17.56
2014/03/31	Mid-Ebb	DS1	7.14	7.19	11.65	14.89
		DS2	7.02	7.17	7.20	13.11
		DS3	7.12	7.21	8.07	13.00
		DS4	7.08	7.12	15.71	24.00
		DS5	7.04	7.10	16.35	25.56
		US1	7.08	7.26	10.22	14.17
		US2	7.15	7.27	8.83	13.44
		MW1	6.79	6.85	6.27	10.67
		THB1	6.90	7.03	8.72	11.33
		THB2	-	-	-	-
		WSR45C	6.83	6.97	13.90	15.89
		WSR46	6.99	6.87	35.03	38.11
	Mid-Flood	DS1	6.95	7.06	13.41	20.50
		DS2	6.91	6.98	13.25	21.17
		DS3	6.84	7.06	15.89	25.33
		DS4	6.85	6.93	17.27	18.67
		DS5	6.95	7.06	17.81	25.22
		US1	6.93	6.93	12.44	15.83
		US2	6.93	6.99	21.39	20.44
		MW1	6.86	6.90	11.27	10.11
		THB1	6.70	6.76	10.02	11.50
		THB2	-	-	-	-
		WSR45C	6.75	6.83	20.08	22.67
		WSR46	6.77	6.76	24.06	26.11

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 on 31 March 2014 was cancelled due to adverse weather condition.
6.

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

Parameter	Action Level	Limit Level
Dissolved Oxygen (DO) (1)	Surface and Mid-depth (2) The average of the impact, WSR 45C and WSR 46 station readings are < 5%-ile of baseline data for surface and middle layer = **4.32 mg L^{-1}** and Significantly less than the reference stations mean DO (at the same tide of the same day)	Surface and Mid-depth (2) The average of the impact, WSR 45C and WSR 46 station readings are **< 4 mg L^{-1}** and Significantly less than the reference stations mean DO (at the same tide of the same day)
	Bottom The average of the impact, WSR 45C and WSR 46 station readings are < 5%-ile of baseline data for bottom layers = **3.12 mg L^{-1}** and Significantly less than the reference stations mean DO (at the same tide of the same day)	Bottom The average of the impact station, WSR 45C and WSR 46 readings are **< 2 mg L^{-1}** and Significantly less than the reference stations mean DO (at the same tide of the same day)
Depth-averaged Suspended Solids (SS) (3) (4)	The average of the impact, WSR 45C and WSR 46 station readings are > 95%-ile of baseline data for depth average = **21.60 mg L^{-1}** 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 = **40.10 mg L^{-1}** and 130% of control station's SS at the same tide of the same day
Depth-averaged Turbidity (Tby) (3) (4)	The average of the impact, WSR 45C and WSR 46 station readings are > 95%-ile of baseline data = **25.04 NTU** 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 = **32.68 NTU** 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_3-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_5 (mg/L)	2	<2	<2	<2	<2	<2	<2

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

Sampling Date	Stations	Temp	Salinity (1)	Turbidity	Dissolved Oxygen		pH
		(°C)	(ppt)	(NTU)	(%)	(mg L^{-1})	(mg L^{-1})
2014/2/5	RFF (Reference)	18.24	29.66	2.16	121.68	9.60	8.06
	IPF (Impact)	18.21	29.94	2.41	121.63	9.58	8.00
	INF (Intermediate)	18.10	30.47	1.81	120.41	9.48	8.10
	Ma Wan Station	18.01	30.57	1.78	115.53	9.10	7.96
	Shum Shui Kok Station	18.10	30.06	1.86	117.10	9.24	8.02
	Tai Mo To Station	18.22	29.92	2.23	122.93	9.68	8.12
	Tai Ho Bay Station 1	18.32	29.50	2.05	126.01	9.93	8.09
	Tai Ho Bay Station 2	18.63	29.01	2.89	102.34	8.05	8.05
	WQO	N/A	26.69-32.62	N/A	N/A	>4	6.5-8.5
2014/2/7	RFF (Reference)	18.70	29.51	2.19	127.46	9.98	8.25
	IPF (Impact)	18.70	29.68	2.59	124.75	9.76	8.21
	INF (Intermediate)	18.36	30.64	2.79	117.22	9.17	8.14
	Ma Wan Station	18.34	30.76	1.56	115.57	9.04	8.18
	Shum Shui Kok Station	18.42	30.17	1.49	120.27	9.43	8.20
	Tai Mo To Station	18.57	29.84	2.29	124.66	9.77	8.19
	Tai Ho Bay Station 1	18.79	29.48	2.71	131.01	10.24	8.27
	Tai Ho Bay Station 2	19.02	29.82	4.92	114.51	8.89	8.11
	WQO	N/A	26.56-32.47	N/A	N/A	>4	6.5-8.5
2014/2/10	RFF (Reference)	17.70	31.51	1.69	98.69	7.78	8.14
	IPF (Impact)	17.87	31.97	3.58	96.88	7.59	8.12
	INF (Intermediate)	17.98	32.71	1.48	98.77	7.69	8.12
	Ma Wan Station	18.02	32.72	1.46	97.26	7.57	8.13
	Shum Shui Kok Station	17.99	32.50	1.28	95.76	7.46	8.11
	Tai Mo To Station	17.85	31.92	2.86	97.54	7.65	8.11

Sampling Date	Stations	Temp	Salinity (1)	Turbidity	Dissolved Oxygen		pH
		(°C)	(ppt)	(NTU)	(%)	(mg L^{-1})	(mg L^{-1})
	Tai Ho Bay Station 1	17.21	30.29	1.39	99.18	7.95	8.16
	Tai Ho Bay Station 2	-	-	-	-	-	-
	WQO	N/A	28.36-34.66	N/A	N/A	>4	6.5-8.5
2014/2/12	RFF (Reference)	17.08	32.92	1.72	94.45	7.47	8.12
	IPF (Impact)	16.58	32.12	5.34	93.89	7.53	8.15
	INF (Intermediate)	15.98	30.95	5.76	93.60	7.66	8.12
	Ma Wan Station	17.28	33.01	2.40	94.22	7.42	8.09
	Shum Shui Kok Station	17.09	32.69	2.48	92.80	7.35	8.14
	Tai Mo To Station	16.67	32.43	9.17	94.34	7.54	8.12
	Tai Ho Bay Station 1	15.96	31.18	2.29	93.58	7.65	8.14
	Tai Ho Bay Station 2	15.74	31.19	4.03	88.41	7.26	8.06
	WQO	N/A	29.63-36.21	N/A	N/A	>4	6.5-8.5
2014/2/14	RFF (Reference)	16.06	32.80	5.62	91.49	7.39	8.08
	IPF (Impact)	15.89	32.67	5.94	90.82	7.37	8.08
	INF (Intermediate)	16.63	33.12	3.49	89.37	7.12	8.07
	Ma Wan Station	16.73	33.02	1.87	90.83	7.23	8.07
	Shum Shui Kok Station	16.27	32.93	4.65	90.74	7.29	8.08
	Tai Mo To Station	16.21	32.91	8.78	90.28	7.26	8.07
	Tai Ho Bay Station 1	14.68	31.70	2.13	92.38	7.72	8.07
	Tai Ho Bay Station 2	-	-	-	-	-	-
	WQO	N/A	29.52-36.08	N/A	N/A	>4	6.5-8.5
2014/2/17	RFF (Reference)	16.07	33.14	6.99	92.60	7.46	8.00
	IPF (Impact)	16.05	33.15	5.34	93.12	7.51	7.99
	INF (Intermediate)	16.22	33.19	3.59	90.80	7.29	7.97
	Ma Wan Station	16.32	33.03	5.98	88.98	7.14	7.97
	Shum Shui Kok Station	16.13	33.14	9.87	91.53	7.37	8.00
	Tai Mo To Station	16.11	33.26	5.37	93.80	7.55	8.00
	Tai Ho Bay Station 1	16.00	33.06	3.69	91.69	7.40	7.98
	Tai Ho Bay Station 2	15.89	32.61	3.46	84.51	6.85	7.99
	WQO	N/A	29.82-36.45	N/A	N/A	>4	6.5-8.5
2014/2/19	RFF (Reference)	16.19	32.71	6.65	94.89	7.65	8.13
	IPF (Impact)	16.27	32.74	7.07	92.74	7.46	8.11
	INF (Intermediate)	16.54	32.84	6.55	88.27	7.06	8.07
	Ma Wan Station	16.58	32.84	5.23	87.87	7.02	8.10
	Shum Shui Kok Station	16.36	32.77	6.05	91.52	7.35	8.13
	Tai Mo To Station	16.33	32.75	5.46	91.97	7.39	8.09
	Tai Ho Bay Station 1	15.83	32.59	7.88	96.13	7.81	8.12
	Tai Ho Bay Station 2	-	-	-	-	-	-
	WQO	N/A	29.44-35.98	N/A	N/A	>4	6.5-8.5
2014/2/21	RFF (Reference)	16.07	32.68	4.41	91.87	7.42	8.01
	IPF (Impact)	16.18	32.72	7.22	91.25	7.35	7.99
	INF (Intermediate)	16.42	32.83	2.49	90.10	7.22	7.96
	Ma Wan Station	16.48	32.85	3.11	89.18	7.14	8.01
	Shum Shui Kok Station	16.33	32.76	4.93	89.07	7.16	8.02
	Tai Mo To Station	16.06	32.67	5.36	92.07	7.44	7.98
	Tai Ho Bay Station 1	16.06	32.66	5.40	92.77	7.50	7.99
	Tai Ho Bay Station 2	15.96	32.59	4.58	94.80	7.68	7.94
	WQO	N/A	29.41-35.94	N/A	N/A	>4	6.5-8.5
2014/2/24	RFF (Reference)	16.78	32.80	2.94	95.54	7.61	8.01
	IPF (Impact)	16.76	32.81	3.72	95.58	7.61	7.99
	INF (Intermediate)	16.58	32.84	1.43	93.39	7.46	7.96

Sampling Date	Stations	Temp	Salinity (1)	Turbidity	Dissolved Oxygen		pH
		(°C)	(ppt)	(NTU)	(%)	(mg L^{-1})	(mg L^{-1})
	Ma Wan Station	16.49	32.75	1.39	89.18	7.14	7.99
	Shum Shui Kok Station	16.63	32.78	1.73	93.53	7.47	8.02
	Tai Mo To Station	16.70	32.81	2.98	95.34	7.60	7.98
	Tai Ho Bay Station 1	16.95	32.78	4.43	100.07	7.94	8.02
	Tai Ho Bay Station 2	17.20	32.89	6.99	98.38	7.77	8.00
	WQO	N/A	29.52-36.08	N/A	N/A	>4	6.5-8.5
2014/2/26	RFF (Reference)	16.94	33.20	1.30	93.49	7.40	7.90
	IPF (Impact)	17.11	32.78	5.68	98.48	7.79	7.96
	INF (Intermediate)	17.43	32.74	10.74	102.77	8.08	7.92
	Ma Wan Station	16.78	33.07	1.47	85.83	6.82	7.85
	Shum Shui Kok Station	16.87	32.82	1.79	91.89	7.30	7.91
	Tai Mo To Station	17.09	33.09	4.42	97.85	7.73	7.94
	Tai Ho Bay Station 1	17.29	32.79	4.48	97.48	7.69	7.92
	Tai Ho Bay Station 2	17.55	33.10	8.14	87.49	6.85	7.90
	WQO	N/A	29.88-36.52	N/A	N/A	>4	6.5-8.5
2014/2/28	RFF (Reference)	17.38	32.20	2.67	96.71	7.64	7.96
	IPF (Impact)	17.59	32.06	4.27	102.36	8.06	7.90
	INF (Intermediate)	18.27	32.39	4.91	105.19	8.16	7.90
	Ma Wan Station	17.28	32.51	2.16	93.47	7.38	7.95
	Shum Shui Kok Station	17.34	32.58	1.80	93.89	7.41	7.81
	Tai Mo To Station	17.63	31.53	7.65	106.39	8.40	8.01
	Tai Ho Bay Station 1	17.69	31.97	2.74	105.34	8.28	7.92
	Tai Ho Bay Station 2	18.43	32.21	6.57	98.50	7.63	7.91
	WQO	N/A	28.98-35.42	N/A	N/A	>4	6.5-8.5

Note:

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

2 Cell shaded yellow indicate value exceeding the Action Level/Limit Level.

Note: Sampling at Tai Ho Bay station 2 was cancelled on 10, 14 and 19 February 2014 due to adverse weather conditions.

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

Date	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_3 (mg/L)	TIN (mg/L)	BOD_5 (mg/L)	SS (mg/L)
2/5	RFF	1.42	<LOR	<LOR	2.33	<LOR	<LOR	2.42	<LOR	4.29	0.03	0.38	2.09	3.38
	IPF	<LOR	<LOR	0.52	1.63	<LOR	<LOR	2.10	<LOR	2.38	0.03	0.34	2.12	3.44
	INF	<LOR	<LOR	0.52	1.33	<LOR	<LOR	2.00	<LOR	<LOR	0.02	0.32	1.72	3.75
	Ma Wan Station	1.50	<LOR	<LOR	1.75	<LOR	<LOR	2.00	<LOR	<LOR	0.02	0.30	2.46	4.19
	Shum Shui Kok Station	<LOR	<LOR	<LOR	1.50	<LOR	<LOR	2.00	<LOR	4.75	0.03	0.35	1.91	3.06
	Tai Mo To Station	<LOR	<LOR	<LOR	1.06	<LOR	<LOR	2.00	<LOR	2.88	0.03	0.39	1.83	3.13
	Tai Ho Bay Station 1	<LOR	<LOR	<LOR	1.25	<LOR	<LOR	2.25	<LOR	<LOR	0.03	0.39	2.23	2.88
	Tai Ho Bay Station 2	<LOR	<LOR	<LOR	2.75	<LOR	<LOR	2.88	<LOR	14.75	0.01	0.38	0.93	3.63
2/7	RFF	1.21	<LOR	<LOR	5.88	<LOR	<LOR	1.38	<LOR	6.42	0.05	0.42	1.31	4.10
	IPF	<LOR	<LOR	<LOR	4.29	<LOR	<LOR	2.13	<LOR	6.25	0.05	0.39	1.60	3.13
	INF	1.25	<LOR	<LOR	4.42	0.60	<LOR	1.58	<LOR	5.33	0.05	0.33	1.18	2.10
	Ma Wan Station	1.13	<LOR	<LOR	3.88	<LOR	<LOR	1.25	<LOR	9.38	0.04	0.26	1.46	2.00

Date	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_3 (mg/L)	TIN (mg/L)	BOD_5 (mg/L)	SS (mg/L)
	Shum Shui Kok Station	1.50	<LOR	<LOR	5.63	0.69	<LOR	1.00	<LOR	4.13	0.05	0.34	1.51	2.63
	Tai Mo To Station	<LOR	<LOR	<LOR	5.63	<LOR	<LOR	1.00	<LOR	6.25	0.05	0.40	1.66	3.63
	Tai Ho Bay Station 1	<LOR	<LOR	<LOR	7.38	0.56	<LOR	1.13	<LOR	7.50	0.03	0.34	2.10	4.25
	Tai Ho Bay Station 2	<LOR	<LOR	<LOR	0.88	0.56	<LOR	1.00	<LOR	4.00	0.03	0.31	0.59	3.63
2/10	RFF	1.46	<LOR	<LOR	7.88	<LOR	<LOR	1.44	<LOR	7.25	0.11	0.32	1.14	3.17
	IPF	1.92	<LOR	<LOR	10.00	<LOR	<LOR	1.46	<LOR	12.13	0.11	0.26	1.47	8.19
	INF	1.29	<LOR	0.52	3.54	<LOR	<LOR	0.98	<LOR	4.96	0.08	0.16	1.02	3.85
	Ma Wan Station	1.88	<LOR	<LOR	38.25	0.88	<LOR	0.75	<LOR	26.88	0.08	0.17	1.61	4.13
	Shum Shui Kok Station	1.88	<LOR	<LOR	12.38	0.56	<LOR	1.75	<LOR	7.88	0.11	0.21	1.24	3.44
	Tai Mo To Station	1.63	<LOR	<LOR	4.13	<LOR	<LOR	1.25	<LOR	4.50	0.11	0.29	1.11	5.75
	Tai Ho Bay Station 1	1.50	<LOR	<LOR	1.88	<LOR	<LOR	2.00	<LOR	3.50	0.10	0.40	1.16	1.00
	Tai Ho Bay Station 2	-	-	-	-	-	-	-	-	-	-	-	-	-
2/12	RFF	1.28	<LOR	<LOR	5.18	<LOR	<LOR	<LOR	<LOR	9.33	0.05	0.14	0.51	4.20
	IPF	1.53	<LOR	<LOR	1.29	<LOR	<LOR	0.80	<LOR	5.00	0.08	0.20	0.86	6.30
	INF	1.25	<LOR	<LOR	1.13	<LOR	<LOR	1.63	<LOR	4.15	0.08	0.28	0.85	8.95
	Ma Wan Station	1.75	<LOR	<LOR	7.25	<LOR	<LOR	<LOR	<LOR	10.38	0.04	0.12	0.28	6.06
	Shum Shui Kok Station	2.00	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	3.88	0.05	0.16	0.69	5.69
	Tai Mo To Station	1.38	<LOR	<LOR	3.50	<LOR	<LOR	0.94	<LOR	7.38	0.07	0.20	0.48	14.50
	Tai Ho Bay Station 1	2.00	<LOR	<LOR	6.50	<LOR	<LOR	1.88	<LOR	10.25	0.08	0.27	0.81	3.00
	Tai Ho Bay Station 2	<LOR	<LOR	<LOR	0.94	<LOR	<LOR	2.00	<LOR	5.25	0.09	0.43	0.65	2.63
2/14	RFF	1.33	<LOR	<LOR	0.56	<LOR	<LOR	<LOR	<LOR	2.63	0.08	0.18	1.54	10.54
	IPF	1.92	<LOR	<LOR	0.88	<LOR	<LOR	0.58	<LOR	5.67	0.08	0.18	0.49	9.88
	INF	1.83	<LOR	<LOR	4.98	0.58	<LOR	<LOR	<LOR	7.29	0.07	0.15	0.41	6.98
	Ma Wan Station	1.13	<LOR	<LOR	2.69	0.81	<LOR	1.13	<LOR	9.88	0.06	0.15	0.94	6.31
	Shum Shui Kok Station	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	0.08	0.17	0.89	9.56
	Tai Mo To Station	<LOR	<LOR	<LOR	0.63	<LOR	<LOR	<LOR	<LOR	2.63	0.09	0.18	1.44	12.88
	Tai Ho Bay Station 1	<LOR	<LOR	<LOR	<LOR	0.69	<LOR	0.75	<LOR	<LOR	0.09	0.24	1.06	7.38
	Tai Ho Bay Station 2	-	-	-	-	-	-	-	-	-	-	-	-	-
2/17	RFF	1.50	<LOR	<LOR	2.46	0.79	<LOR	0.92	<LOR	5.54	0.05	0.14	0.39	9.04
	IPF	1.17	<LOR	<LOR	4.56	<LOR	<LOR	0.73	<LOR	4.96	0.06	0.15	0.39	10.21
	INF	<LOR	0.50	<LOR	2.17	<LOR	<LOR	0.79	<LOR	5.63	0.06	0.15	0.33	7.33
	Ma Wan Station	2.00	<LOR	<LOR	11.00	<LOR	<LOR	1.00	<LOR	17.00	0.06	0.16	0.41	11.63
	Shum Shui Kok Station	1.88	<LOR	<LOR	18.50	0.75	<LOR	1.50	<LOR	9.63	0.07	0.16	0.44	14.00
	Tai Mo To Station	1.63	<LOR	<LOR	2.25	<LOR	<LOR	0.94	<LOR	2.75	0.04	0.12	0.38	8.56
	Tai Ho Bay Station 1	1.75	<LOR	<LOR	1.19	<LOR	<LOR	0.75	<LOR	6.00	0.11	0.21	0.39	5.75
	Tai Ho Bay Station 2	1.13	1.61	<LOR	1.75	0.94	<LOR	1.75	<LOR	11.50	0.07	0.27	0.79	4.13
2/19	RFF	1.29	<LOR	<LOR	0.77	<LOR	<LOR	0.56	<LOR	<LOR	0.07	0.17	0.40	9.83

Date	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_3 (mg/L)	TIN (mg/L)	BOD_5 (mg/L)	SS (mg/L)
	IPF	1.13	<LOR	<LOR	0.88	<LOR	<LOR	<LOR	<LOR	2.92	0.08	0.18	0.41	9.06
	INF	<LOR	<LOR	<LOR	1.04	<LOR	<LOR	<LOR	<LOR	2.88	0.09	0.19	0.28	9.54
	Ma Wan Station	1.38	<LOR	<LOR	0.94	<LOR	<LOR	<LOR	<LOR	2.63	0.10	0.20	0.66	7.31
	Shum Shui Kok Station	1.25	<LOR	<LOR	0.81	<LOR	<LOR	0.56	<LOR	<LOR	0.09	0.19	0.29	9.00
	Tai Mo To Station	1.13	<LOR	<LOR	0.75	<LOR	<LOR	<LOR	<LOR	2.25	0.10	0.20	0.38	7.00
	Tai Ho Bay Station 1	1.25	<LOR	<LOR	<LOR	<LOR	<LOR	0.75	<LOR	2.63	0.04	0.15	0.59	11.00
	Tai Ho Bay Station 2	-	-	-	-	-	-	-	-	-	-	-	-	-
2/21	RFF	1.54	<LOR	<LOR	0.65	<LOR	<LOR	0.58	<LOR	2.42	0.11	0.20	0.31	5.60
	IPF	1.54	<LOR	<LOR	0.56	<LOR	<LOR	0.75	<LOR	2.63	0.12	0.21	0.35	8.77
	INF	1.96	<LOR	<LOR	0.56	<LOR	<LOR	<LOR	<LOR	2.08	0.10	0.19	0.25	4.02
	Ma Wan Station	1.50	<LOR	<LOR	0.56	<LOR	<LOR	<LOR	<LOR	2.88	0.09	0.18	0.29	7.81
	Shum Shui Kok Station	1.75	<LOR	<LOR	1.25	<LOR	<LOR	<LOR	<LOR	2.63	0.11	0.21	0.25	10.88
	Tai Mo To Station	1.13	<LOR	<LOR	0.56	<LOR	<LOR	<LOR	<LOR	2.25	0.12	0.22	0.25	10.13
	Tai Ho Bay Station 1	1.25	<LOR	<LOR	0.81	<LOR	<LOR	0.56	<LOR	2.25	0.11	0.22	0.25	6.88
	Tai Ho Bay Station 2	<LOR	<LOR	<LOR	1.56	<LOR	<LOR	0.69	<LOR	2.50	0.06	0.17	0.25	4.50
2/24	RFF	1.08	<LOR	<LOR	0.69	<LOR	<LOR	0.52	<LOR	2.50	0.11	0.21	0.25	6.77
	IPF	1.29	<LOR	<LOR	1.27	<LOR	<LOR	0.54	<LOR	3.38	0.12	0.22	0.44	5.54
	INF	1.04	<LOR	<LOR	0.60	<LOR	<LOR	<LOR	<LOR	2.08	0.11	0.21	0.39	2.77
	Ma Wan Station	1.13	<LOR	<LOR	1.19	<LOR	<LOR	0.56	<LOR	4.25	0.13	0.24	0.25	2.25
	Shum Shui Kok Station	1.63	<LOR	<LOR	0.69	<LOR	<LOR	<LOR	<LOR	2.25	0.10	0.20	0.25	1.44
	Tai Mo To Station	1.25	<LOR	<LOR	0.81	<LOR	<LOR	<LOR	<LOR	2.38	0.13	0.22	0.25	3.19
	Tai Ho Bay Station 1	1.13	<LOR	<LOR	<LOR	<LOR	<LOR	0.63	<LOR	3.25	0.10	0.20	0.31	6.63
	Tai Ho Bay Station 2	<LOR	<LOR	<LOR	0.88	<LOR	<LOR	0.94	<LOR	4.25	0.06	0.14	0.39	7.00
2/26	RFF	1.85	<LOR	<LOR	0.51	<LOR	<LOR	<LOR	<LOR	5.65	0.11	0.21	0.27	2.54
	IPF	1.08	<LOR	<LOR	0.69	<LOR	<LOR	0.56	<LOR	6.40	0.09	0.19	0.56	10.43
	INF	1.03	<LOR	<LOR	0.54	0.51	<LOR	0.54	<LOR	5.60	0.04	0.14	0.40	19.25
	Ma Wan Station	1.38	<LOR	<LOR	1.56	<LOR	<LOR	<LOR	<LOR	7.75	0.18	0.30	0.25	4.94
	Shum Shui Kok Station	1.63	<LOR	<LOR	0.88	<LOR	<LOR	<LOR	<LOR	5.38	0.15	0.26	0.61	3.63
	Tai Mo To Station	1.25	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	4.50	0.08	0.19	0.29	6.44
	Tai Ho Bay Station 1	1.50	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	4.13	0.10	0.21	0.47	7.75
	Tai Ho Bay Station 2	<LOR	<LOR	<LOR	1.00	<LOR	<LOR	<LOR	<LOR	3.88	0.07	0.17	0.25	5.88
2/28	RFF	1.33	<LOR	<LOR	1.14	<LOR	<LOR	1.13	<LOR	2.78	0.13	0.30	0.46	3.41
	IPF	1.18	<LOR	<LOR	0.88	<LOR	<LOR	1.55	<LOR	2.75	0.10	0.28	0.59	7.24
	INF	1.43	<LOR	<LOR	0.55	<LOR	<LOR	1.65	<LOR	2.58	0.03	0.18	0.77	7.58
	Ma Wan Station	1.25	<LOR	<LOR	0.63	<LOR	<LOR	0.56	<LOR	4.00	0.15	0.28	0.34	3.06
	Shum Shui Kok Station	1.25	<LOR	<LOR	<LOR	<LOR	<LOR	0.75	<LOR	2.75	0.16	0.32	0.34	3.88
	Tai Mo To Station	1.50	<LOR	<LOR	0.81	<LOR	<LOR	1.75	<LOR	<LOR	0.08	0.30	0.76	8.88

Date	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_3 (mg/L)	TIN (mg/L)	BOD_5 (mg/L)	SS (mg/L)
	Tai Ho Bay Station 1	1.25	<LOR	<LOR	1.50	<LOR	<LOR	1.75	<LOR	3.25	0.08	0.27	0.88	6.63
	Tai Ho Bay Station 2	<LOR	<LOR	<LOR	1.00	<LOR	<LOR	1.25	<LOR	5.38	0.04	0.17	0.59	7.75
												WQO of TIN: 0.5 μg/L		
												Dry Season WQO of SS: 14.4 mg/L		

Note:

1. Cell shaded grey indicated value exceeding WQO.
2. Sampling at Tai Ho Bay station 2 was cancelled on 10, 14 and 19 February 2014 due to adverse weather conditions.

Table C6 Monthly Averaged In-situ Monitoring Results for Routine Water Quality Monitoring of CMP 1 in February 2014

Sampling Period	Stations	Temp (°C)	Salinity (ppt)	Turbidity (NTU)	Dissolved Oxygen (%)	Dissolved Oxygen ($mg\ L^{-1}$)	pH ($mg\ L^{-1}$)
2014/2	RFF (Reference)	17.05	32.30	3.02	98.44	7.82	8.04
	IPF (Impact)	17.02	32.06	4.83	100.14	7.97	8.05
	INF (Intermediate)	17.14	32.25	4.09	99.08	7.85	8.03
	Ma Wan Station	17.12	32.47	2.58	95.27	7.55	8.03
	Shum Shui Kok Station	17.05	32.29	3.45	97.10	7.71	8.04
	Tai Mo To Station	17.04	32.10	5.14	100.65	8.00	8.05
	Tai Ho Bay Station 1	16.80	31.64	3.56	102.33	8.19	8.06
	Tai Ho Bay Station 2	17.30	31.68	5.20	96.12	7.62	7.99
	WQO	N/A	29.07-35.53#	N/A	N/A	>4	6.5-8.5

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

Table C7 Monthly Averaged Laboratory Results for Routine Water Quality Monitoring of CMP 1 in February 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_3 (mg/L)	TIN (mg/L)	BOD_5 (mg/L)	SS (mg/L)
2014/01	RFF	1.40	<LOR	<LOR	2.51	0.52	<LOR	0.91	<LOR	4.82	0.08	0.24	0.73	5.33
	IPF	1.33	<LOR	0.50	2.22	<LOR	<LOR	1.05	<LOR	4.91	0.08	0.23	0.82	7.55
	INF	1.27	0.13	0.50	1.72	0.52	<LOR	1.05	<LOR	4.06	0.06	0.21	0.69	7.69
	Ma Wan Station	1.45	<LOR	<LOR	6.34	0.56	<LOR	0.84	<LOR	8.82	0.09	0.21	0.81	5.43
	Shum Shui Kok Station	1.52	<LOR	<LOR	3.92	0.55	<LOR	0.91	<LOR	4.30	0.09	0.23	0.77	6.11
	Tai Mo To Station	1.26	<LOR	<LOR	1.88	<LOR	<LOR	0.94	<LOR	3.61	0.08	0.25	0.80	7.64
	Tai Ho Bay Station 1	1.33	<LOR	<LOR	2.05	0.52	<LOR	1.18	<LOR	4.25	0.08	0.26	0.93	5.74
	Tai Ho Bay Station 2	1.02	0.29	<LOR	1.34	0.56	<LOR	1.38	<LOR	6.44	0.06	0.25	0.55	4.89
													WQO of TIN: 0.5 mg/L	
													Dry Season WQO of SS: 14.4 mg/L	

Table C8 Water Column Profiling Results for CMP 1 on 8 March 2014

Stations	Temp	Salinity	Turbidity	Dissolved Oxygen		pH	Suspended Solids
	(°C)	(ppt)	(NTU)	(%)	(mg L^{-1})	(mg L^{-1})	(mg L^{-1})
WCP 1 (Downstream)	17.34	31.57	9.42	90.68	7.20	7.95	13.75
WCP 2 (Upstream)	17.50	32.00	3.40	88.20	7.00	7.90	3.25
WQO	N/A	28.63-35.24#	N/A	N/A	>4	6.5-8.5	14.40

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