

## Appendix 5-6 *E. coli* Results at Indicator Points - Normal Operation - 2013

Note: Shaded and bolded - value exceeded the WQO

ID	Indicator Point	Scenario	Dry Season		Wet Season	
			Geometric Mean Level (no./100mL)	Maximum Level (no./100mL)	Geometric Mean Level (no./100mL)	Maximum Level (no./100mL)
<b>Artificial Reefs [Depth-averaged results]</b>						
AR1	Airport	HATS Stage 1 w/o Disinfection (Scenario 2a)	57	284	48	282
		HATS Stage 1 with Disinfection (Scenario 2b)	49	278	39	275
AR2	Sha Chau and Lung Kwu Chau	HATS Stage 1 w/o Disinfection (Scenario 2a)	93	383	102	454
		HATS Stage 1 with Disinfection (Scenario 2b)	92	381	101	452
<b>WSD Flushing Water Intakes [Results at mid-depth] ( WQO = 20,000 no./100mL at any time )</b>						
WSD1	Near Butterfly Beach	HATS Stage 1 w/o Disinfection (Scenario 2a)	148	314	127	379
		HATS Stage 1 with Disinfection (Scenario 2b)	119	308	97	369
WSD2	Near LRT Terminus	HATS Stage 1 w/o Disinfection (Scenario 2a)	5,379	9,668	1,325	5,462
		HATS Stage 1 with Disinfection (Scenario 2b)	5,371	9,667	1,303	5,460
WSD3	Near Hong Kong Garden	HATS Stage 1 w/o Disinfection (Scenario 2a)	449	2,003	338	2,080
		HATS Stage 1 with Disinfection (Scenario 2b)	101	184	112	246
WSD4	Tsuen Wan	HATS Stage 1 w/o Disinfection (Scenario 2a)	1,071	3,317	716	3,031
		HATS Stage 1 with Disinfection (Scenario 2b)	898	3,295	565	3,014
WSD5	Tsing Yi	HATS Stage 1 w/o Disinfection (Scenario 2a)	2,264	9,054	718	4,540
		HATS Stage 1 with Disinfection (Scenario 2b)	1,878	8,911	286	4,456

WSD6	Cheung Sha Wan	HATS Stage 1 w/o Disinfection (Scenario 2a)	2,576	13,483	4,475	<b>30,057</b>
		HATS Stage 1 with Disinfection (Scenario 2b)	2,569	13,474	4,251	<b>29,981</b>
WSD7	Kowloon South	HATS Stage 1 w/o Disinfection (Scenario 2a)	4,530	7,086	2,794	7,122
		HATS Stage 1 with Disinfection (Scenario 2b)	4,146	6,822	1,096	6,380
WSD8	Yau Ma Tei	HATS Stage 1 w/o Disinfection (Scenario 2a)	2,609	9,517	3,066	10,065
		HATS Stage 1 with Disinfection (Scenario 2b)	1,805	3,729	979	3,786
WSD9	Tai Wan	HATS Stage 1 w/o Disinfection (Scenario 2a)	1,724	5,677	3,012	7,940
		HATS Stage 1 with Disinfection (Scenario 2b)	1,686	4,980	2,778	6,999
WSD10	Cha Kwo Ling	HATS Stage 1 w/o Disinfection (Scenario 2a)	410	1,222	1,096	4,004
		HATS Stage 1 with Disinfection (Scenario 2b)	408	1,222	1,025	3,148
WSD11	Yau Tong	HATS Stage 1 w/o Disinfection (Scenario 2a)	308	1,215	971	4,336
		HATS Stage 1 with Disinfection (Scenario 2b)	305	1,174	916	3,594
WSD12	Tseung Kwan O	HATS Stage 1 w/o Disinfection (Scenario 2a)	23	99	226	871
		HATS Stage 1 with Disinfection (Scenario 2b)	22	99	219	766
WSD13	Siu Sai Wan	HATS Stage 1 w/o Disinfection (Scenario 2a)	2,194	3,827	2,112	5,779
		HATS Stage 1 with Disinfection (Scenario 2b)	2,193	3,827	2,078	5,742
WSD14	Heng Fa Chuen	HATS Stage 1 w/o Disinfection (Scenario 2a)	489	2,391	727	5,388
		HATS Stage 1 with Disinfection (Scenario 2b)	487	2,371	702	4,856
WSD15	Sai Wan Ho	HATS Stage 1 w/o Disinfection (Scenario 2a)	1,575	5,334	2,210	10,026
		HATS Stage 1 with Disinfection (Scenario 2b)	1,566	5,152	2,117	9,967
WSD16	Quarry Bay	HATS Stage 1 w/o Disinfection (Scenario 2a)	2,827	6,493	3,857	15,629
		HATS Stage 1 with Disinfection (Scenario 2b)	2,808	6,222	3,717	15,600

WSD17	North Point	HATS Stage 1 w/o Disinfection (Scenario 2a)	1,934	8,848	4,643	<b>39,857</b>
		HATS Stage 1 with Disinfection (Scenario 2b)	1,913	8,774	4,460	<b>39,833</b>
WSD18	Central Water Front	HATS Stage 1 w/o Disinfection (Scenario 2a)	5,584	<b>20,822</b>	4,304	18,222
		HATS Stage 1 with Disinfection (Scenario 2b)	4,033	6,956	2,476	7,562
WSD19	Sheung Wan	HATS Stage 1 w/o Disinfection (Scenario 2a)	8,107	<b>21,324</b>	3,025	<b>27,103</b>
		HATS Stage 1 with Disinfection (Scenario 2b)	5,636	10,235	1,174	<b>21,749</b>
WSD20	Kennedy Town	HATS Stage 1 w/o Disinfection (Scenario 2a)	5,555	<b>27,590</b>	1,112	13,167
		HATS Stage 1 with Disinfection (Scenario 2b)	1,486	3,217	402	2,873
WSD21	Ap Lei Chau	HATS Stage 1 w/o Disinfection (Scenario 2a)	646	7,681	48	3,838
		HATS Stage 1 with Disinfection (Scenario 2b)	628	7,678	46	3,804
<b>Fish Culture Zones [Depth-averaged results] ( WQO = 610 no./100mL for Geometric Mean )</b>						
F1	Tung Lung Chau	HATS Stage 1 w/o Disinfection (Scenario 2a)	7	18	100	644
		HATS Stage 1 with Disinfection (Scenario 2b)	7	18	96	603
F2	Po Toi	HATS Stage 1 w/o Disinfection (Scenario 2a)	3	5	3	19
		HATS Stage 1 with Disinfection (Scenario 2b)	3	5	3	15
F3	Sok Kwu Wan	HATS Stage 1 w/o Disinfection (Scenario 2a)	3	19	15	41
		HATS Stage 1 with Disinfection (Scenario 2b)	2	9	12	36
F4	Lo Tik Wan	HATS Stage 1 w/o Disinfection (Scenario 2a)	4	52	27	123
		HATS Stage 1 with Disinfection (Scenario 2b)	2	18	15	54
F5	Ma Wan	HATS Stage 1 w/o Disinfection (Scenario 2a)	205	683	199	899
		HATS Stage 1 with Disinfection (Scenario 2b)	35	139	34	113
F6	Cheung Sha Wan	HATS Stage 1 w/o Disinfection (Scenario 2a)	13	34	17	39

		HATS Stage 1 with Disinfection (Scenario 2b)	12	34	16	39
<b>Gazetted Beaches [Depth-averaged results] ( WQO = 180 no./100mL for Geometric Mean )</b>						
B1	Butterfly	HATS Stage 1 w/o Disinfection (Scenario 2a)	294	819	201	857
		HATS Stage 1 with Disinfection (Scenario 2b)	258	812	173	855
B2	Castle Peak	HATS Stage 1 w/o Disinfection (Scenario 2a)	640	1,395	232	1,057
		HATS Stage 1 with Disinfection (Scenario 2b)	634	1,389	221	1,033
B3	Kadoorie	HATS Stage 1 w/o Disinfection (Scenario 2a)	640	1,395	232	1,057
		HATS Stage 1 with Disinfection (Scenario 2b)	634	1,389	221	1,033
B4	Cafeteria Old	HATS Stage 1 w/o Disinfection (Scenario 2a)	413	994	467	1,348
		HATS Stage 1 with Disinfection (Scenario 2b)	394	975	439	1,347
B5	Cafeteria New	HATS Stage 1 w/o Disinfection (Scenario 2a)	413	994	467	1,348
		HATS Stage 1 with Disinfection (Scenario 2b)	394	975	439	1,347
B6	Golden Beach	HATS Stage 1 w/o Disinfection (Scenario 2a)	413	994	467	1,348
		HATS Stage 1 with Disinfection (Scenario 2b)	394	975	439	1,347
B7	Anglers'	HATS Stage 1 w/o Disinfection (Scenario 2a)	569	2,310	524	2,574
		HATS Stage 1 with Disinfection (Scenario 2b)	110	225	108	236
B8	Gemini	HATS Stage 1 w/o Disinfection (Scenario 2a)	670	2,601	672	2,967
		HATS Stage 1 with Disinfection (Scenario 2b)	113	310	149	504
B9	Hoi Mei Wan	HATS Stage 1 w/o Disinfection (Scenario 2a)	597	2,364	532	2,199
		HATS Stage 1 with Disinfection (Scenario 2b)	88	198	84	175
B10	Casam	HATS Stage 1 w/o Disinfection (Scenario 2a)	264	857	261	619
		HATS Stage 1 with Disinfection (Scenario 2b)	102	223	150	281

B11	Lido	HATS Stage 1 w/o Disinfection (Scenario 2a)	232	691	217	430
		HATS Stage 1 with Disinfection (Scenario 2b)	79	289	121	253
B12	Ting Kau	HATS Stage 1 w/o Disinfection (Scenario 2a)	280	682	228	404
		HATS Stage 1 with Disinfection (Scenario 2b)	169	459	161	333
B13	Approach	HATS Stage 1 w/o Disinfection (Scenario 2a)	655	1,895	248	860
		HATS Stage 1 with Disinfection (Scenario 2b)	363	1,820	94	687
B14	Tung Wan, Ma Wan	HATS Stage 1 w/o Disinfection (Scenario 2a)	190	1,122	320	1,478
		HATS Stage 1 with Disinfection (Scenario 2b)	13	62	58	226
B15	Tong Fuk	HATS Stage 1 w/o Disinfection (Scenario 2a)	298	341	172	236
		HATS Stage 1 with Disinfection (Scenario 2b)	298	341	172	236
B16	Cheung Sha Upper	HATS Stage 1 w/o Disinfection (Scenario 2a)	35	50	26	42
		HATS Stage 1 with Disinfection (Scenario 2b)	35	50	26	42
B17	Cheung Sha Lower	HATS Stage 1 w/o Disinfection (Scenario 2a)	236	264	143	233
		HATS Stage 1 with Disinfection (Scenario 2b)	236	264	143	233
B18	Pui O	HATS Stage 1 w/o Disinfection (Scenario 2a)	211	257	136	202
		HATS Stage 1 with Disinfection (Scenario 2b)	211	257	136	202
B19	Silvermine Bay	HATS Stage 1 w/o Disinfection (Scenario 2a)	8	16	78	127
		HATS Stage 1 with Disinfection (Scenario 2b)	8	16	78	127
B20	Kwun Yam Wan	HATS Stage 1 w/o Disinfection (Scenario 2a)	797	1,051	275	601
		HATS Stage 1 with Disinfection (Scenario 2b)	796	1,051	269	601
B21	Tung Wan, Cheung Chau	HATS Stage 1 w/o Disinfection (Scenario 2a)	427	716	353	617
		HATS Stage 1 with Disinfection (Scenario 2b)	427	716	351	612

B22	Lo So Shing	HATS Stage 1 w/o Disinfection (Scenario 2a)	1	3	2	10
		HATS Stage 1 with Disinfection (Scenario 2b)	1	2	1	3
B23	Hung Shing Yeh	HATS Stage 1 w/o Disinfection (Scenario 2a)	1	1	1	3
		HATS Stage 1 with Disinfection (Scenario 2b)	1	0	1	1
B24	Big Wave Bay	HATS Stage 1 w/o Disinfection (Scenario 2a)	2	12	28	84
		HATS Stage 1 with Disinfection (Scenario 2b)	2	12	27	83
B25	Rocky Bay	HATS Stage 1 w/o Disinfection (Scenario 2a)	<b>596</b>	766	<b>741</b>	1,470
		HATS Stage 1 with Disinfection (Scenario 2b)	<b>596</b>	766	<b>740</b>	1,470
B26	Shek O	HATS Stage 1 w/o Disinfection (Scenario 2a)	39	214	59	324
		HATS Stage 1 with Disinfection (Scenario 2b)	39	214	58	322
B27	Turtle Cove	HATS Stage 1 w/o Disinfection (Scenario 2a)	78	85	57	84
		HATS Stage 1 with Disinfection (Scenario 2b)	78	85	57	84
B28	Hairpin	HATS Stage 1 w/o Disinfection (Scenario 2a)	131	143	74	121
		HATS Stage 1 with Disinfection (Scenario 2b)	131	143	74	121
B29	Stanley Main	HATS Stage 1 w/o Disinfection (Scenario 2a)	131	143	74	121
		HATS Stage 1 with Disinfection (Scenario 2b)	131	143	74	121
B30	St. Stephen's	HATS Stage 1 w/o Disinfection (Scenario 2a)	25	89	24	86
		HATS Stage 1 with Disinfection (Scenario 2b)	25	89	23	85
B31	Chung Hom Kok	HATS Stage 1 w/o Disinfection (Scenario 2a)	125	193	112	394
		HATS Stage 1 with Disinfection (Scenario 2b)	125	193	110	339
B32	South Bay	HATS Stage 1 w/o Disinfection (Scenario 2a)	<b>778</b>	1,000	<b>500</b>	861
		HATS Stage 1 with Disinfection (Scenario 2b)	<b>778</b>	1,000	<b>494</b>	860

B33	Middle Bay	HATS Stage 1 w/o Disinfection (Scenario 2a)	778	1,000	500	861
		HATS Stage 1 with Disinfection (Scenario 2b)	778	1,000	494	860
B34	Repulse Bay	HATS Stage 1 w/o Disinfection (Scenario 2a)	1,341	1,605	1,010	1,326
		HATS Stage 1 with Disinfection (Scenario 2b)	1,341	1,605	1,006	1,326
B35	Deep Water Bay	HATS Stage 1 w/o Disinfection (Scenario 2a)	119	232	27	91
		HATS Stage 1 with Disinfection (Scenario 2b)	119	232	26	91
<b>Marine Parks [Depth-averaged results]</b>						
MP1	Indicator Point 1 for Sha Chau and Lung Kwu Chau Marine Park	HATS Stage 1 w/o Disinfection (Scenario 2a)	1,035	4,171	704	3,415
		HATS Stage 1 with Disinfection (Scenario 2b)	1,029	4,170	697	3,414
MP2	Indicator Point 2 for Sha Chau and Lung Kwu Chau Marine Park	HATS Stage 1 w/o Disinfection (Scenario 2a)	166	752	166	837
		HATS Stage 1 with Disinfection (Scenario 2b)	164	750	164	833
MP3	Indicator Point 3 for Sha Chau and Lung Kwu Chau Marine Park	HATS Stage 1 w/o Disinfection (Scenario 2a)	50	260	58	335
		HATS Stage 1 with Disinfection (Scenario 2b)	50	258	57	332
MP4	Indicator Point 4 for Sha Chau and Lung Kwu Chau Marine Park	HATS Stage 1 w/o Disinfection (Scenario 2a)	187	1,002	142	903
		HATS Stage 1 with Disinfection (Scenario 2b)	186	1,002	140	903
<b>Non - Gazetted Beaches [Depth-averaged results]</b>						
U1	Lung Kwu Upper	HATS Stage 1 w/o Disinfection (Scenario 2a)	208	447	128	282
		HATS Stage 1 with Disinfection (Scenario 2b)	204	447	126	282
U2	Lung Kwu Lower	HATS Stage 1 w/o Disinfection (Scenario 2a)	3,179	5,771	3,303	5,523
		HATS Stage 1 with Disinfection (Scenario 2b)	3,175	5,769	3,302	5,523
U3	Discovery Bay	HATS Stage 1 w/o Disinfection (Scenario 2a)	2	9	4	14
		HATS Stage 1 with Disinfection (Scenario 2b)	1	2	1	3

U4	Tai Kwai Wan	HATS Stage 1 w/o Disinfection (Scenario 2a)	35	459	251	564
		HATS Stage 1 with Disinfection (Scenario 2b)	32	459	251	564
<b>Seagrass Beds [Depth-averaged results]</b>						
SG1	San Tau	HATS Stage 1 w/o Disinfection (Scenario 2a)	472	1,142	476	1,544
		HATS Stage 1 with Disinfection (Scenario 2b)	472	1,142	476	1,544
SG2	San Tau	HATS Stage 1 w/o Disinfection (Scenario 2a)	2,570	2,995	1,625	2,278
		HATS Stage 1 with Disinfection (Scenario 2b)	2,570	2,995	1,625	2,278
SG3	San Tau	HATS Stage 1 w/o Disinfection (Scenario 2a)	2,570	2,995	1,625	2,278
		HATS Stage 1 with Disinfection (Scenario 2b)	2,570	2,995	1,625	2,278
SG4	Tai Ho Wan	HATS Stage 1 w/o Disinfection (Scenario 2a)	21	74	19	65
		HATS Stage 1 with Disinfection (Scenario 2b)	17	54	15	51
<b>Finless Porpoises [Depth-averaged results]</b>						
FP1	Tathong Channel	HATS Stage 1 w/o Disinfection (Scenario 2a)	1	24	13	92
		HATS Stage 1 with Disinfection (Scenario 2b)	1	24	13	88
FP2	East Lamma Channel	HATS Stage 1 w/o Disinfection (Scenario 2a)	7	372	23	349
		HATS Stage 1 with Disinfection (Scenario 2b)	6	297	20	272
<b>Cape D'Aguilar Marine Reserve [Depth-averaged results]</b>						
CDA1	CDA1	HATS Stage 1 w/o Disinfection (Scenario 2a)	1	4	7	77
		HATS Stage 1 with Disinfection (Scenario 2b)	1	4	7	73
CDA2	CDA2	HATS Stage 1 w/o Disinfection (Scenario 2a)	1	4	7	77
		HATS Stage 1 with Disinfection (Scenario 2b)	1	4	7	73
<b>Site of Special Scientific Interests [Depth-averaged results]</b>						



S1	Shek O Headland	HATS Stage 1 w/o Disinfection (Scenario 2a)	183	945	517	3,194
		HATS Stage 1 with Disinfection (Scenario 2b)	183	945	516	3,194
S2	Cape D'Aguilar - Kau Pei Chau	HATS Stage 1 w/o Disinfection (Scenario 2a)	1	4	7	77
		HATS Stage 1 with Disinfection (Scenario 2b)	1	4	7	73
<b>Green Turtle Nesting Ground [Depth-averaged result]</b>						
TNG1	Sham Wan	HATS Stage 1 w/o Disinfection (Scenario 2a)	1	0	1	1
		HATS Stage 1 with Disinfection (Scenario 2b)	1	0	1	1