

Table 5.10d

Water Quality Modelling Results at Sensitive Receivers - Wet Season

Sensitive Receiver	DO (Depth Averaged) (mg L ⁻¹)			DO (Bottom) (mg L ⁻¹)			BOD (mg L ⁻¹)			TIN (mg L ⁻¹)			Unionised Ammonia (mg L ⁻¹)			Chlorophyll-a (µg L ⁻¹)			E. coli (cfu 100mL ⁻¹)			Suspended Solids (mg L ⁻¹)		
	Baseline	NSLD	NSLD + CT	Baseline	NSLD	NSLD + CT	Baseline	NSLD	NSLD + CT	Baseline	NSLD	NSLD + CT	Baseline	NSLD	NSLD + CT	Baseline	NSLD	NSLD + CT	Baseline	NSLD	NSLD + CT	Baseline	NSLD	NSLD + CT
	Sha Chau	4.8	4.8	4.8	4.4	4.3	4.3	0.9	0.9	0.9	0.47	0.47	0.47	0.006	0.007	0.007	3.6	3.6	3.6	1	1	1	22.3	22.3
Castle Peak Power Station Intake	4.8	4.8	4.8	4.5	4.5	4.5	0.8	0.8	0.8	0.41	0.41	0.41	0.006	0.006	0.006	3.8	3.8	3.8	2	2	2	19.0	19.0	18.9
Butterfly Beach	5.0	5.0	5.0	4.6	4.6	4.7	0.8	0.9	0.9	0.37	0.37	0.37	0.006	0.006	0.006	5.3	5.3	5.3	32	32	32	13.7	13.7	13.5
Chek Lap Kok Intake	4.8	4.8	4.8	4.4	4.3	4.3	0.9	0.9	0.9	0.40	0.41	0.41	0.006	0.007	0.007	4.8	4.8	4.8	1	1	1	17.2	17.2	17.0
Tung Chung Bay	4.5	4.5	4.5	3.1	3.0	3.0	3.9	4.0	4.0	0.38	0.38	0.38	0.010	0.010	0.010	27.0	27.5	27.3	7,971	7,978	8,042	25.7	26.8	26.2
Castle Peak Beach	5.6	5.6	5.6	4.7	4.7	4.7	1.2	1.2	1.2	0.35	0.36	0.35	0.005	0.005	0.005	11.4	11.5	11.6	123	120	119	18.1	17.9	17.8
Kadoorie Beach	5.4	5.4	5.5	4.7	4.7	4.8	1.1	1.1	1.1	0.37	0.37	0.37	0.005	0.005	0.005	9.4	9.5	9.6	263	257	259	13.3	12.8	12.9
Cafeteria Old Beach	5.3	5.3	5.3	4.8	4.8	4.8	1.0	1.0	1.0	0.37	0.38	0.37	0.005	0.005	0.005	7.9	8.0	8.1	283	277	287	13.2	13.5	13.0
Cafeteria New Beach	5.3	5.3	5.3	4.8	4.8	4.8	1.0	1.0	1.0	0.37	0.38	0.37	0.005	0.005	0.005	7.9	8.0	8.1	283	277	287	13.2	13.5	13.0
Golden Beach	5.2	5.2	5.2	4.8	4.8	4.8	0.9	0.9	0.9	0.37	0.38	0.37	0.005	0.005	0.005	6.8	6.8	6.9	166	164	168	13.7	13.9	13.4
Brothers	4.9	4.9	4.9	4.5	4.5	4.5	0.8	0.8	0.8	0.35	0.36	0.36	0.006	0.006	0.006	4.2	4.2	4.2	2	2	2	16.7	16.5	16.2
Yam O Wan	4.9	5.1	5.2	4.7	4.7	4.7	0.7	0.8	0.8	0.30	0.30	0.30	0.005	0.005	0.005	4.4	6.9	6.9	3	2	2	11.4	11.3	11.1
Dragon Beach	4.7	4.7	4.8	4.5	4.5	4.6	0.6	0.6	0.6	0.25	0.26	0.25	0.005	0.005	0.005	3.5	3.6	3.5	43	44	44	11.3	11.3	11.1
Gemini Beaches	4.6	4.6	4.7	4.5	4.5	4.5	0.6	0.6	0.6	0.23	0.23	0.23	0.005	0.005	0.005	3.4	3.5	3.4	22	23	23	10.2	10.1	9.9
Hoi Mei Wan	4.7	4.7	4.7	4.5	4.5	4.5	0.6	0.6	0.6	0.24	0.24	0.24	0.005	0.005	0.005	3.6	3.6	3.6	35	36	36	10.1	10.0	9.8
Casam Beach	4.9	4.9	4.9	4.7	4.7	4.8	0.7	0.7	0.7	0.26	0.26	0.26	0.005	0.005	0.005	4.2	4.3	4.2	56	55	57	9.8	9.8	9.6
Lido Beach	4.9	4.9	4.9	4.7	4.7	4.7	0.7	0.7	0.7	0.26	0.27	0.26	0.005	0.005	0.005	4.1	4.2	4.1	91	91	90	9.9	9.9	9.7
Ting Kau Beach	4.9	4.8	4.9	4.6	4.6	4.7	0.7	0.7	0.7	0.27	0.27	0.27	0.005	0.005	0.005	4.1	4.2	4.1	57	57	57	10.0	9.9	9.8
Approach Beach	4.8	4.8	4.8	4.6	4.6	4.7	0.7	0.7	0.7	0.26	0.26	0.26	0.005	0.005	0.005	4.0	4.1	4.0	93	91	95	10.1	10.1	9.9
Ma Wan FCZ N	4.9	4.8	4.8	4.7	4.6	4.6	0.7	0.7	0.7	0.28	0.28	0.28	0.005	0.005	0.005	4.0	4.0	3.9	8	8	8	11.9	11.8	11.5
Ma Wan FCZ S	4.8	4.7	4.8	4.6	4.6	4.6	0.7	0.7	0.6	0.25	0.25	0.25	0.005	0.005	0.005	3.8	3.7	3.6	4	4	4	11.8	11.7	11.5
Tung Wan, Ma Wan	4.8	4.8	4.9	4.6	4.6	4.6	0.6	0.6	0.6	0.23	0.23	0.23	0.005	0.005	0.004	4.2	4.3	4.1	30	31	31	9.8	9.9	9.7
Sze Pak Wan	5.6	6.3	6.1	4.8	5.3	5.1	1.0	1.1	1.0	0.16	0.12	0.12	0.004	0.004	0.004	9.1	10.2	9.8	5	2	2	8.9	8.1	7.7
Discovery Bay Beach	4.9	4.7	4.9	3.7	3.2	3.2	1.6	1.8	1.5	0.14	0.13	0.12	0.004	0.005	0.005	14.0	13.4	12.4	1	1	1	18.3	15.3	15.4
Kau Yi Chau	5.1	5.1	4.7	4.9	4.9	2.6	0.7	0.7	0.6	0.19	0.19	0.16	0.004	0.004	0.005	5.6	5.8	4.2	1	1	1	9.2	9.1	6.4
Tsuen Wan WSD Intake	4.8	4.8	4.8	4.5	4.5	4.6	0.8	0.8	0.8	0.26	0.26	0.25	0.005	0.005	0.005	4.1	4.1	4.1	2,104	2,053	2,065	10.1	10.1	9.9
Tsing Yi WSD Intake	4.6	4.5	4.6	4.1	4.1	4.3	0.7	0.7	0.7	0.23	0.22	0.22	0.005	0.005	0.005	4.1	4.0	4.0	694	611	686	9.8	9.8	9.6
Cheung Sha Wan WSD Intake	5.4	5.4	5.4	4.3	4.3	4.2	2.0	2.0	1.9	0.20	0.19	0.20	0.009	0.009	0.009	16.9	16.9	16.0	15,120	15,150	15,000	10.8	10.6	10.4
Yau Ma Tei WSD Intake	5.2	5.2	5.2	3.9	3.9	3.9	1.1	1.1	1.1	0.17	0.17	0.17	0.006	0.006	0.005	10.7	10.7	10.1	1,086	1,128	1,083	8.3	8.0	7.9
Sheung Wan WSD Intake	4.8	4.7	4.7	4.3	4.3	4.3	0.7	0.7	0.7	0.16	0.16	0.16	0.004	0.004	0.004	5.1	5.1	5.0	838	792	770	7.2	7.2	7.2
Kennedy Town WSD Intake	4.5	4.5	4.5	4.1	4.0	4.1	0.5	0.5	0.5	0.15	0.15	0.15	0.004	0.004	0.004	2.9	2.9	2.8	22	22	22	8.1	8.2	8.2
Green Island	4.5	4.5	4.5	4.1	4.0	4.1	0.5	0.5	0.5	0.15	0.15	0.15	0.004	0.004	0.004	2.9	2.9	2.8	22	22	22	8.1	8.2	8.2
Queen Mary Hospital/Sha Wan Drive Intake	4.4	4.4	4.5	4.0	4.0	4.1	0.5	0.5	0.5	0.15	0.15	0.15	0.004	0.004	0.004	2.8	2.8	2.8	21	22	22	7.9	7.9	8.0
Wah Fu Estate Intake	4.5	4.5	4.5	4.0	3.9	4.0	0.4	0.4	0.4	0.14	0.14	0.14	0.004	0.004	0.004	2.8	2.8	2.7	71	70	71	7.6	7.6	7.6
Pak Kok	4.4	4.4	4.4	4.0	4.0	4.0	0.5	0.5	0.4	0.14	0.15	0.14	0.004	0.004	0.004	2.7	2.7	2.6	2	2	2	8.2	8.1	8.0
Shek Kok Tsui	4.7	4.7	4.7	4.0	4.0	4.1	0.5	0.5	0.5	0.17	0.17	0.16	0.004	0.004	0.004	3.9	3.8	3.6	4	4	4	8.2	8.2	8.1
Luk Chau	4.4	4.4	4.5	3.8	3.8	3.8	0.4	0.4	0.4	0.14	0.14	0.13	0.004	0.004	0.004	2.8	2.8	2.8	1	1	1	7.5	7.5	7.4
Lo Tik Wan FCZ	4.4	4.4	4.5	3.8	3.8	3.8	0.4	0.4	0.4	0.14	0.14	0.13	0.004	0.004	0.004	2.8	2.8	2.8	1	1	1	7.5	7.5	7.4
Hung Shing Yeh Beach	5.0	5.0	4.9	3.2	3.1	3.1	0.6	0.6	0.5	0.16	0.16	0.15	0.004	0.004	0.004	5.5	5.5	5.0	2	2	3	7.1	7.0	6.5
Lo So Shing Beach	4.9	4.9	4.8	3.4	3.4	3.4	0.6	0.6	0.5	0.16	0.16	0.15	0.004	0.004	0.004	5.5	5.5	5.1	6	6	7	6.8	6.7	6.2
Sok Kwu Wan FCZ	4.5	4.5	4.5	3.7	3.7	3.8	0.5	0.5	0.5	0.13	0.13	0.13	0.004	0.004	0.004	4.6	4.7	4.5	1	1	1	6.9	6.9	6.8
Silvermine Bay Beach	5.1	4.9	4.6	3.5	3.2	2.7	1.4	1.4	1.3	0.13	0.13	0.13	0.005	0.005	0.005	10.9	10.6	10.5	136	138	140	12.2	11.8	11.8
Cheung Sha Wan FCZ	5.0	4.8	4.7	3.6	3.2	3.2	1.0	1.0	0.9	0.15	0.15	0.14	0.005	0.005	0.005	8.2	8.1	7.9	45	45	45	8.5	8.4	8.1
Tung Wan, Cheung Chau	5.1	5.0	5.0	2.5	2.3	2.7	0.8	0.8	0.8	0.16	0.16	0.15	0.005	0.005	0.005	8.0	8.0	7.8	764	765	745	7.3	7.2	7.2
Kwun Yam Wan	4.5	4.5	4.6	3.1	3.1	3.4	0.5	0.5	0.5	0.15	0.15	0.14	0.004	0.004	0.003	3.7	3.6	3.6	1	1	1	7.1	7.1	7.0
M1	5.4	5.7	5.6	4.7	4.6	4.6	1.0	1.1	1.0	0.16	0.14	0.14	0.004	0.005	0.005	8.8	9.7	9.2	13	13	13	8.9	8.2	8.0
M2	5.2	5.4	5.3	4.9	4.7	4.7	0.8	0.9	0.8	0.19	0.16	0.16	0.004	0.005	0.004	6.6	7.8	7.2	4	4	6	9.0	8.3	8.6
M3	4.9	5.1	5.0	4.8	4.8	4.8	0.7	0.8	0.7	0.21	0.19	0.19	0.005	0.004	0.004	4.7	6.0	5.4	2	2	3	9.7	9.1	9.3
M4	4.7	4.7	4.7	4.4	4.5	4.5	0.6	0.6	0.6	0.21	0.22	0.21	0.005	0.005	0.005	3.8	3.9	3.7	3	2	2	10.0	10.1	9.8
M5	4.8	4.8	4.8	4.5	4.5	4.5	0.8	0.8	0.8	0.33	0.34	0.34	0.006	0.006	0.006	4.2	4.1	4.1	5	6	6	15.2	15.0	14.8
M6	4.8	4.7	4.8	4.5	4.5	4.5	0.7	0.7	0.7	0.30	0.31	0.30	0.005	0.006	0.006	3.9	3.8	3.8	5	6	6	13.9	13.6	13.4
M7	4.7	4.7	4.7	4.5	4.5	4.5	0.7	0.7	0.7	0.27	0.28	0.27	0.005	0.005	0.005	3.6	3.5	3.5	7	8	8	12.5	12.8	12.5
M8	4.7	4.7	4.7	4.5	4.4	4.5	0.6	0.6	0.6	0.26	0.26	0.25	0.005	0.005	0.005	3.5								