Appendix 4.5.1 Water Quality Modelling Results for Seawater Intakes

Note: Shaded and Bolded - value exceeded the assessment criteria; N/A - Not Available

							Mid-Depth				-		
Indicator				Maximum *									
Point (se Figure	е		Salinity	UIA	E.coli	NH ₃ -N	NO ₃ -N	NO ₂ -N	SS	BOD ₅	DO		
4.4)	Name	Scenario	(ppt)	(mg/L)	(no./100mL)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)		
WSD Sea	water Intakes												
Assessm	ent Criteria		N/A	N/A	≤20,000	≤ 1	N/A	N/A	≤ 10	≤10	≥ 2		
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	33.2	0.010	1,296	0.13	0.14	<0.01	9.5	5.6	5.3		
		Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	33.2	0.024	1,296	0.27	0.48	<0.01	11.2	8.5	5.2		
F7	Tai Po	Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	33.2	0.023	36,500	0.24	0.14	<0.01	9.5	5.6	5.3		
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	33.5	0.011	2,071	0.23	0.12	<0.01	10.9	8.4	5.1		
		Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	33.5	0.024	2,071	0.26	0.37	<0.01	12.3	9.4	5.1		
F8	Sha Tin	Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	33.5	0.011	2,071	0.23	0.12	<0.01	10.9	8.4	5.1		
Seawater	Intake for Maric	ulture											
Assessm	ent Criteria		Change <± 2	<0.05	<10,000	<0.2	<0.5	<0.05	<20	N/A	>5		
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	33.5	0.006	721	0.13	0.09	<0.01	11.2	5.6	5.4		
	CUHK Marine Science	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	33.5	0.017	722	0.19	0.31	<0.01	11.2	7.1	5.3		
E1	Laboratory	Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	33.5	0.006	721	0.13	0.09	<0.01	11.2	5.6	5.4		
Cooling V	Vater Intake												
Assessm	ent Criteria		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	33.5	0.006	413	0.12	0.09	<0.01	12.3	5.2	5.3		
	Hong Kong	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	33.5	0.013	414	0.14	0.27	<0.01	12.4	7.4	5.3		
C16		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	33.5	0.006	413	0.12	0.09	<0.01	12.3	5.2	5.3		

Note: Shaded and Bolded - value exceeded the assessment criteria; N/A - Not Available

	Name			1	Middle	Surface		De	ed	All Depth Max *	
Indicator Point (see		ame Scenario	Maximum *	Minimum	Minimum	Minimum		Annual Mea	n	Annual Geometric Mean	max 5-day moving mean
Figure 4.4)			Sedimentation	DO	DO	DO	UIA	TIN	SS	E.coli	Chlorophyll-a
			(g/m²/d)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(no./100mL)	(μ g/L)
Fisheries Res	ources			•							
Assessment (Criteria (for Har	bour Subzone in Tolo Harbour & Channel WCZ)	N/A	≥ 2	≥ 4	≥ 4	N/A	N/A	N/A	≤ 610	≤ 20
	Yim Tin Tsai	Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	51	5.2	5.3	5.6	0.004	0.09	2.7	5	18
FC1		Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	56	5.2	5.2	5.5	0.004	0.08	2.8	5	49
	Zone (FCZ)	Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	52	5.2	5.3	5.6	0.004	0.09	2.7	5	18
Assessment (Criteria (for But	fer Subzone in Tolo Harbour & Channel WCZ)	N/A	≥ 3	≥ 4	≥ 4	N/A	N/A	N/A	≤ 610	≤ 10
	Yim Tin Tsai (East) FCZ	Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	16	5.6	5.8	5.9	0.003	0.06	1.8	1	15
FC2		Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	17	5.6	5.8	5.8	0.003	0.05	1.9	1	16
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	16	5.6	5.8	5.9	0.003	0.06	1.8	1	15
Assessment (Criteria (for Cha	nnnel Subzone in Tolo Harbour & Channel WCZ)	N/A	≥ 4	≥ 4	≥ 4	N/A	N/A	N/A	≤ 610	≤ 6
	Lo Fu Wat FCZ	Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	15	5.1	5.5	5.9	0.002	0.06	0.9	1	11
FC3		Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	16	5.1	5.5	5.9	0.002	0.06	0.9	1	12
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	15	5.1	5.5	5.9	0.002	0.06	0.9	1	11
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	29	5.5	5.6	5.8	0.002	0.05	1.5	1	14
FC4	Yung Shue Au FCZ	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	31	5.4	5.6	5.8	0.002	0.05	1.6	1	15
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	29	5.5	5.6	5.8	0.002	0.05	1.5	1	14
Ecological Re	sources (Coral	s)									
Assessment (Criteria (for Har	bour Subzone in Tolo Harbour & Channel WCZ)	≤ 100	≥ 2	≥ 4	≥ 4	N/A	N/A	N/A	≤ 610	≤ 20
	Tai Po	Scenario 3 – UDS "With Project" Condition (Normal Operation with Overflow at TPSTW Only)	54	5.2	5.4	5.6	0.004	0.08	3.1	50	31
CR1	Industrial	Scenario 4 – UDS "With Project" Condition (THEES Maintenance Discharge from TPSTW and CSTW)	59	5.1	5.4	5.6	0.004	0.09	3.3	51	60
	Estate	Scenario 5 – UDS "With Project" Condition (Emergency Sewage Discharge from TPSTW)TW	54	5.2	5.4	5.6	0.004	0.08	3.1	55	31
	01 141	Scenario 3 – UDS "With Project" Condition (Normal Operation with Overflow at TPSTW Only)	32	5.2	5.5	5.8	0.005	0.11	2.6	9	20
CR2	Shuen Wan Golf Course	Scenario 4 – UDS "With Project" Condition (THEES Maintenance Discharge from TPSTW and CSTW)	40	5.2	5.5	5.7	0.005	0.11	2.7	9	55
		Scenario 5 – UDS "With Project" Condition (Emergency Sewage Discharge from TPSTW)TW	32	5.2	5.5	5.8	0.005	0.11	2.6	9	20

Note: Shaded and Bolded - value exceeded the assessment criteria; N/A - Not Available

	Name		Botton	1	Middle	Surface		D	All Depth Max *		
Indicator Point (see		nme Scenario	Maximum *	Minimum	Minimum	Minimum		Annual Mea	n	Annual Geometric Mean	max 5-day moving mean
Figure 4.4)		Sociality (1997)	Sedimentation	DO	DO	DO	UIA	TIN	SS	E.coli	Chlorophyll-a
			(g/m²/d)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(no./100mL)	(μ g/L)
Ecological Re	sources (Coral	is)						•			
Assessment (Criteria (for Har	bour Subzone in Tolo Harbour & Channel WCZ)	≤ 100	≥ 2	≥ 4	≥ 4	N/A	N/A	N/A	≤ 610	≤ 20
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	37	5.2	5.3	5.5	0.003	0.07	2.5	15	22
CR3	Providence	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	45	5.1	5.3	5.5	0.003	0.07	2.6	15	39
	Bay	Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	37	5.2	5.3	5.5	0.003	0.07	2.5	15	22
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	24	5.1	5.4	5.2	0.003	0.08	2.5	251	27
CR4	Ma Liu Shui	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	30	5.1	5.3	5.2	0.003	0.08	2.6	252	34
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	25	5.1	5.4	5.2	0.003	0.08	2.5	251	27
	Sha Tin Hoi	Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	17	5.2	5.3	5.1	0.003	0.08	3.1	673	33
CR5		Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	22	5.2	5.3	5.1	0.004	0.09	3.2	676	49
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	17	5.2	5.3	5.1	0.003	0.08	3.1	673	33
Assessment (Criteria (for But	fer Subzone in Tolo Harbour & Channel WCZ)	≤ 100	≥ 3	≥ 4	≥ 4	N/A	N/A	N/A	≤ 610	≤ 10
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	12	5.5	5.6	5.8	0.002	0.05	1.7	5	14
CR7	Yeung Chau	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	14	5.5	5.6	5.8	0.002	0.05	1.8	5	15
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	12	5.5	5.6	5.8	0.002	0.05	1.7	5	14
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	33	5.3	5.6	5.8	0.002	0.06	1.6	3	14
CR8	Tai Mei Tuk	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	37	5.3	5.5	5.8	0.002	0.05	1.6	3	16
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	33	5.3	5.6	5.8	0.002	0.06	1.6	3	14
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	17	5.2	5.7	5.9	0.003	0.06	1.4	1	13
CR9	Ma Shi Chau	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	19	5.2	5.7	5.9	0.002	0.06	1.4	1	18
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	17	5.2	5.7	5.9	0.003	0.06	1.4	1	13
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	17	4.8	5.0	5.8	0.003	0.08	1.1	1	13
CR18	Pak Sha Tau	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	18	4.9	5.1	5.8	0.003	0.07	1.1	1	20
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	17	4.8	5.0	5.8	0.003	0.08	1.1	1	13
	Whitehead	Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	17	5.1	5.5	5.7	0.003	0.07	1.8	94	20
CR6		Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	19	5.1	5.5	5.7	0.003	0.08	1.9	96	39
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	17	5.1	5.5	5.7	0.003	0.07	1.8	94	20

Note: Shaded and Bolded - value exceeded the assessment criteria; N/A - Not Available

	Name	ame Scenario	Botton	1	Middle Minimum	Surface Minimum		D	All Depth Max *		
Indicator Point (see			Maximum *	Minimum			Annual Mean			Annual Geometric Mean	max 5-day moving mean
Figure 4.4)		SSSI MILITER CONTROL OF THE CONTROL	Sedimentation	DO	DO	DO	UIA	TIN	SS	E.coli	Chlorophyll-a
			(g/m²/d)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(no./100mL)	(μ g/L)
Ecological Re	sources (Coral	is)			•						
Assessment	Criteria (for Cha	annel Subzone in Tolo Harbour & Channel WCZ)	≤ 100	³ 4	³ 4	³ 4	N/A	N/A	N/A	≤ 610	≤ 6
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	9	4.5	4.6	5.9	0.003	0.07	0.8	1	9
CR10	Wong Wan Tsui	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	9	4.5	4.7	5.9	0.003	0.07	0.8	1	15
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	9	4.5	4.6	5.9	0.003	0.07	0.8	1	9
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	7	5.1	5.5	5.9	0.002	0.06	0.6	1	9
CR11	Lo Fu Wat	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	7	5.1	5.5	5.9	0.002	0.06	0.6	1	12
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	7	5.1	5.5	5.9	0.002	0.06	0.6	1	9
	Gruff Head	Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	10	4.4	4.7	5.8	0.003	0.07	0.8	1	8
CR12		Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	10	4.4	4.7	5.8	0.003	0.07	0.8	1	13
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	10	4.4	4.7	5.8	0.003	0.07	0.8	1	8
	South Wong Chuk Kok Tsui	Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	8	4.9	5.3	5.6	0.002	0.06	0.6	1	8
CR16		Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	8	5.0	5.3	5.7	0.002	0.06	0.6	1	12
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	8	4.9	5.3	5.6	0.002	0.06	0.6	1	8
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	11	4.2	4.9	5.6	0.002	0.06	0.5	1	8
CR17	Wong Chuk Kok Tsui	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	11	4.2	4.9	5.7	0.002	0.06	0.5	1	8
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	11	4.2	4.9	5.6	0.002	0.06	0.5	1	8
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	14	4.8	5.3	5.8	0.002	0.06	0.6	1	8
CR14	Hoi Ha Wan Moon Island	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	14	4.8	5.4	5.8	0.002	0.06	0.6	1	9
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	14	4.8	5.3	5.8	0.002	0.06	0.6	1	8
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	16	5.0	5.5	6.0	0.002	0.05	0.7	1	9
CR13	Hoi Ha Wan Coral Beach	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	16	5.0	5.6	6.0	0.002	0.05	0.7	1	9
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	16	5.0	5.5	6.0	0.002	0.05	0.7	1	9
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	24	4.9	5.3	5.8	0.002	0.04	0.8	1	11
CR15	Hoi Ha Wan Pier	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	24	4.9	5.3	5.7	0.002	0.04	0.8	1	11
	_	Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	24	4.9	5.3	5.8	0.002	0.04	0.8	1	11

Note: Shaded and Bolded - value exceeded the assessment criteria; N/A - Not Available

			Bottom	1	Middle	Surface		De	All Depth Max *				
Indicator	Name	ne Scenario	Maximum *	Minimum	Minimum	Minimum		Annual Mea	ın	Annual Geometric Mean	max 5-day moving mean		
Point (see Figure 4.4)	Name		Sedimentation	DO	DO	DO	UIA	TIN	SS	E.coli	Chlorophyll-a		
			(g/m²/d)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(no./100mL)	(μ g/L)		
Ecological Re	sources (Mang	roves / Site of Special Scientific Interest)		·	·	·		ı					
Assessment C	Criteria (for Har	bour Subzone in Tolo Harbour & Channel WCZ)	N/A	≥ 2	≥ 4	≥ 4	N/A	N/A	N/A	≤ 610	≤ 20		
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	44	3.8	4.4	1.3	0.003	0.07	4.5	602	40		
M1	Tolo Pond	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	44	3.8	4.4	1.3	0.003	0.07	4.7	606	48		
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	44	3.8	4.4	1.3	0.003	0.07	4.5	602	40		
Assessment C	Criteria (for But	fer Subzone in Tolo Harbour & Channel WCZ)	N/A	≥ 3	≥ 4	≥ 4	N/A	N/A	N/A	≤ 610	≤ 10		
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	2	4.9	4.9	4.8	0.002	0.04	2.1	139	16		
M2	Shuen Wan	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	2	4.9	4.9	4.8	0.002	0.04	2.2	139	16		
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	2	4.9	4.9	4.8	0.002	0.04	2.1	139	16		
	Ting Kok	Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	<1	5.2	5.2	5.1	0.002	0.04	2.2	111	17		
M3		Ting Kok	Ting Kok	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	<1	5.2	5.2	5.1	0.002	0.03	2.3	112	17
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	<1	5.2	5.2	5.1	0.002	0.04	2.2	111	17		
	Sam Mun Tsai	Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	1	5.8	5.8	4.9	0.002	0.04	2.0	1	16		
M4		Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	1	5.8	5.8	4.8	0.002	0.04	2.1	1	16		
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	1	5.8	5.8	4.9	0.002	0.04	2.0	1	16		
	Nai Chung	Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	<1	5.5	5.5	5.4	0.002	0.05	1.3	2	16		
M5		Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	<1	5.6	5.6	5.5	0.002	0.05	1.3	2	22		
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	<1	5.5	5.5	5.4	0.002	0.05	1.3	2	16		
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	4	5.4	5.4	5.5	0.002	0.04	2.1	52	15		
S1	Ting Kok	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	4	5.4	5.4	5.5	0.002	0.04	2.2	52	15		
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	4	5.4	5.4	5.5	0.002	0.04	2.1	52	15		
Assessment C	Criteria (for Cha	annel Subzone in Tolo Harbour & Channel WCZ)	N/A	≥ 4	≥ 4	≥ 4	N/A	N/A	N/A	≤ 610	≤6		
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	1	5.9	5.9	5.9	0.002	0.04	1.8	4	17		
M6	Sai Keng	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	1	5.9	5.9	5.9	0.001	0.03	1.9	4	18		
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	1	5.9	5.9	5.9	0.002	0.04	1.8	4	17		
	Kei Ling Ha	Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	<1	5.3	5.3	5.3	0.001	0.03	2.0	1	17		
M7	Lo Wai	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	<`	5.3	5.3	5.3	0.001	0.03	2.0	1	17		
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	<1	5.3	5.3	5.3	0.001	0.03	2.0	1	17		
	Kei Ling Ha	Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	1	5.9	5.9	5.7	0.002	0.04	1.6	1	16		
M8	Hoi	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	1	5.9	6.0	5.7	0.002	0.04	1.6	1	16		
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	1	5.9	5.9	5.7	0.002	0.04	1.6	1	16		

Note: Shaded and Bolded - value exceeded the assessment criteria; N/A - Not Available

	Name	Scenario	Botton	1	Middle	Surface		D	ed	All Depth Max *	
Indicator Point (see			Maximum *	Minimum	Minimum	Minimum	Annual Mean			Annual Geometric Mean	max 5-day moving mean
Figure 4.4)			Sedimentation	DO	DO	DO	UIA	TIN	SS	E.coli	Chlorophyll-a
			(g/m²/d)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(no./100mL)	(μ g/L)
Ecological Re	sources (Mang	roves / Site of Special Scientific Interest)									
Assessment (Criteria (for Cha	annel Subzone in Tolo Harbour & Channel WCZ)	N/A	≥ 4	≥ 4	≥ 4	N/A	N/A	N/A	≤ 610	≤ 6
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	22	5.1	5.7	5.9	0.002	0.06	1.2	1	14
M9	Sham Chung	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	24	5.1	5.7	5.9	0.002	0.05	1.3	1	15
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	22	5.1	5.7	5.9	0.002	0.06	1.2	1	14
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	15	5.1	5.5	5.9	0.002	0.06	0.9	1	11
M10	Lo Fu Wat	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	16	5.1	5.5	5.9	0.002	0.06	0.9	1	12
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	15	5.1	5.5	5.9	0.002	0.06	0.9	1	11
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	8	5.3	5.7	5.9	0.002	0.06	0.9	1	11
M11	Lai Chi Chong	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	8	5.3	5.7	5.9	0.002	0.06	0.9	1	13
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	8	5.3	5.7	5.9	0.002	0.06	0.9	1	11
	Fung Wong Wat	Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	15	5.3	5.6	6.0	0.002	0.06	0.6	1	10
M12		Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	15	5.3	5.7	6.0	0.002	0.06	0.6	1	10
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	15	5.3	5.6	6.0	0.002	0.06	0.6	1	10
	Kei Ling Ha Mangal	Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	3	5.8	5.9	5.9	0.002	0.05	1.6	77	16
S2		Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	3	5.8	5.9	5.9	0.002	0.04	1.6	77	16
	_	Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	3	5.8	5.9	5.9	0.002	0.05	1.6	77	16
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	9	4.5	5.0	5.7	0.002	0.06	0.7	1	9
S3	Hoi Ha Wan	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	9	4.5	5.0	5.7	0.002	0.06	0.7	1	9
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	9	4.5	5.0	5.7	0.002	0.06	0.7	1	9
Typhoon She	lter										
Assessment (Criteria (for Har	bour Subzone in Tolo Harbour & Channel WCZ)	N/A	≥ 2	≥ 4	≥ 4	N/A	N/A	N/A	≤ 610	≤ 20
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	83	5.5	5.8	5.9	0.002	0.06	3.1	164	21
T6	Shuen Wan	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	90	5.4	5.7	5.9	0.002	0.05	3.2	165	40
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	84	5.5	5.8	5.9	0.002	0.06	3.1	164	21
Beach											
Assessment (Criteria (for Buf	fer Subzone in Tolo Harbour & Channel WCZ)	N/A	≥ 3	≥ 4	≥ 4	N/A	N/A	N/A	≤ 610	≤ 10
		Scenario 3 – Baseline condition (with no THEES maintenance and no emergency discharge)	23	5.6	5.7	5.8	0.002	0.05	1.6	6	14
B1	Lung Mei	Scenario 4 – With a 4-week THEES maintenance discharge (from TPSTW and CSTW)	27	5.5	5.7	5.7	0.002	0.05	1.6	6	15
		Scenario 5 – With a 3-hour emergency discharge (from TPSTW)	23	5.6	5.7	5.8	0.002	0.05	1.6	6	14