



Appendix A4



APPENDIX A4

RESULTS OF WAHMO WATER QUALITY MODELLING

CONTENTS

TABLE	TITLE	TIDAL CYCLE	SEASON	DESCRIPTION	PARAMETER
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1C	Comparisons to Base Case Data	Spring	Dry		Organic Nitrogen
1D	Comparisons to Base Case Data	Spring	Dry		Ammoniacal Nitrogen
1E	Comparisons to Base Case Data	Spring	Dry		Oxidised Nitrogen
1F	Comparisons to Base Case Data	Spring	Dry		Chlorophyll - a
1G	Comparisons to Base Case Data	Spring	Dry		E. coli
2A	Comparisons to Base Case Data	Neap	Dry		Dissolved Oxygen
2B	Comparisons to Base Case Data	Neap	Dry		BOD,
2C	Comparisons to Base Case Data	Neap	Dry		Organic Nitrogen
2D	Comparisons to Base Case Data	Neap	Dry		Ammoniacal Nitrogen
2E	Comparisons to Base Case Data	Neap	Dry		Oxidised Nitrogen
2F	Comparisons to Base Case Data	Neap	Dry		Chlorophyll - a
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3A	Comparisons to Base Case Data	Spring	Wet		Dissolved Oxygen
3B	Comparisons to Base Case Data	Spring	Wet		BOD,
3C	Comparisons to Base Case Data	Spring	Wet		Organic Nitrogen
3D	Comparisons to Base Case Data	Spring	Wet		Ammoniacal Nitrogen
3E	Comparisons to Base Case Data	Spring	Wet		Oxidised Nitrogen
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4B	Comparisons to Base Case Data	Neap	Wet	BOD ₅
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4D	Comparisons to Base Case Data	Neap	Wet	Ammoniacal Nitrogen
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5D	Comparisons of Ultimate Development to Base Case Data	Spring	Wet	Ammoniacal Nitrogen
5E	Comparisons of Ultimate Development to Base Case Data	Spring	Wet	Oxidised Nitrogen
5F	Comparisons of Ultimate Development to Base Case Data	Spring	Wet	Chlorophyll - a
5G	Comparisons of Ultimate Development to Base Case Data	Spring	Wet	<i>E. coli</i>
6A	Comparisons of Ultimate Development to Base Case Data	Neap	Wet	Dissolved Oxygen
6B	Comparisons of Ultimate Development to Base Case Data	Neap	Wet	BOD ₅
6C	Comparisons of Ultimate Development to Base Case Data	Neap	Wet	Organic Nitrogen
6D	Comparisons of Ultimate Development to Base Case Data	Neap	Wet	Ammoniacal Nitrogen
6E	Comparisons of Ultimate Development to Base Case Data	Neap	Wet	Oxidised Nitrogen
6F	Comparisons of Ultimate Development to Base Case Data	Neap	Wet	Chlorophyll - a
6G	Comparisons of Ultimate Development to Base Case Data	Neap	Wet	<i>E. coli</i>

TABLE 1A
COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : DRY

PARAMETER : DISSOLVED OXYGEN

AREA	VICTORIA HARBOUR			NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND			
	2	13	14	7	15	17		1	6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCENARIO																		
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	0	0	0	++	+	(+)	0	-	0	0	0	0	0	0
3 (ULTIMATE & BRIDGE)	0	0	0	0	(+)	(-)	0	0	+	(+)	(+)	-	0	0	0	(+)	(+)	(+)
4 (PHASES I & II)	0	0	0	0	(+)	0	0	0	0	0	(+)	0	(-)	0	0	0	0	0
5 (PHASE IV & CAUSEWAY)	0	0	0	0	(+)	0	0	++	+	(+)	0	-	(-)	0	0	0	0	0

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 1B
COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : DRY

PARAMETER : BOD₅

AREA	VICTORIA HARBOUR						NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND	
	2	13	14	7	15	17	1	6	9	10	11	16	12	5	4	3	8		
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SCENARIO																			
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	0	0	0	++	0	0	(-)	(-)	0	0	0	(-)	0		
3 (ULTIMATE & BRIDGE)	0	0	0	(-)	0	0	0	(+)	(-)	(-)	-	(-)	0	0	0	(-)	(-)		
4 (PHASES I & II)	0	0	0	0	0	0	0	0	0	0	(-)	(-)	0	0	0	0	0		
5 (PHASE IV & CAUSEWAY)	0	0	0	0	0	0	0	++	0	0	(-)	0	0	0	0	0	0		

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 1C
COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : DRY

PARAMETER : ORGANIC NITROGEN

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR					SOUTH HK ISLAND	
	2	13	14	7	15	17	1		6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCENARIO																		
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	0	0	0	--	--	-	(+)	0	0	0	0	0	0	0
3 (ULTIMATE & BRIDGE)	0	0	0	(-)	0	0	0	--	-	-	0	(+)	0	0	0	0	0	0
4 (PHASES I & II)	0	0	0	0	(+)	0	0	-	(-)	0	(+)	(+)	(+)	0	0	0	0	0
5 (PHASE IV & CAUSEWAY)	0	0	0	0	(+)	0	0	--	-	-	(+)	0	(+)	0	0	0	0	0

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 1D
COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : DRY

PARAMETER : AMMONIACAL NITROGEN

AREA	VICTORIA HARBOUR						NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR					SOUTH HK ISLAND
	2	13	14	7	15	17	1	6	9	10	11	16	12	5	4	3	8		
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SCENARIO																			
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	0	0	0	-	-	0	-	0	0	0	0	(-)	0		
3 (ULTIMATE & BRIDGE)	0	0	0	0	0	0	0	-	-	0	-	(-)	(-)	0	0	(-)	(-)		
4 (PHASES I & II)	0	0	0	0	0	0	0	(-)	0	0	0	0	0	0	0	0	0		
5 (PHASE IV & CAUSEWAY)	0	0	0	0	0	0	0	-	-	0	(-)	0	0	0	0	0	0		

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 1E
COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : DRY

PARAMETER : OXIDISED NITROGEN

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND	
	2	13	14	7	15	17	1	6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCENARIO																	
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	0	0	0	(-)	-	-	0	-	0	0	0	0	0
3 (ULTIMATE & BRIDGE)	0	0	0	0	0	0	0	(-)	-	-	0	-	0	0	0	0	0
4 (PHASES I & II)	0	0	0	0	0	0	0	0	-	-	0	(-)	0	0	0	0	0
5 (PHASE IV & CAUSEWAY)	0	0	0	0	0	0	0	(-)	-	-	0	0	0	0	0	0	0

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 1F
COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : DRY

PARAMETER : CHLOROPHYLL-A

AREA	VICTORIA HARBOUR			NW HARBOUR			DISCOVERY BAY			EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND	
	2	13	14	7	15	17	1	6	9	10	11	16	12	5	4	3	8	
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SCENARIO																		
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	0	0	0	---	--	-	0	(+)	0	0	0	0	0	
3 (ULTIMATE & BRIDGE)	0	0	0	0	0	0	0	--	-	-	0	(+)	0	0	0	0	0	
4 (PHASES I & II)	0	0	0	0	0	0	0	-	(-)	(-)	0	0	0	0	0	0	0	
5 (PHASE IV & CAUSEWAY)	0	0	0	0	0	0	0	---	--	-	0	0	0	0	0	0	0	

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 1G
 COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : DRY

PARAMETER : *E. coli*

AREA	VICTORIA HARBOUR			NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND			
	2	13	14	7	15	17		1	6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCENARIO																		
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	0	0	0	--	--	0	--	--	-	(-)	(-)	-	0	0
3 (ULTIMATE & BRIDGE)	0	0	0	0	0	0	0	--	--	0	--	--	-	(-)	(-)	-	0	0
4 (PHASES I & II)	0	0	0	0	0	0	0	-	-	0	-	(-)	-	0	0	(-)	0	0
5 (PHASE IV & CAUSEWAY)	0	0	0	0	0	0	0	-	-	0	-	(-)	-	0	0	-	0	0

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 2A
 COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : NEAP

SEASON : DRY

PARAMETER : DISSOLVED OXYGEN

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND	
	2	13	14	7	15	17	1	6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →																	
SCENARIO																	
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 (ULTIMATE & CAUSEWAY)	0	0	(+)	(+)	(+)	0	0	++	+	+	(-)	0	0	0	0	0	0
3 (ULTIMATE & BRIDGE)	0	0	0	0	(+)	0	0	+	+	(+)	-	0	0	0	0	0	0
4 (PHASES I & II)	0	0	0	0	(+)	0	0	(+)	(+)	0	0	0	0	0	0	(-)	0
5 (PHASE IV & CAUSEWAY)	0	0	0	0	(+)	0	0	++	+	+	-	0	0	0	0	0	0

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 2B
 COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : NEAP
 SEASON : DRY
 PARAMETER : BOD₅

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND		
	2	13	14	7	15	17	1		6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →																		
SCENARIO																		
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	0	0	0	+	0	0	(-)	0	0	0	0	0	0	0
3 (ULTIMATE & BRIDGE)	0	0	0	0	0	0	0	+	0	0	(-)	0	0	0	0	0	0	0
4 (PHASES I & II)	0	0	0	0	0	0	0	(+)	0	0	(-)	0	0	0	0	0	(-)	0
5 (PHASE IV & CAUSEWAY)	0	0	0	0	0	0	0	+	0	0	(-)	0	0	0	0	0	0	0

KEY: 0 : No significant difference from Base Case
 + : Improvement in quality vs Base Case
 - : Degradation in quality vs Base Case
 () : Minor, insignificant change

TABLE 2C
 COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : NEAP

SEASON : DRY

PARAMETER : ORGANIC NITROGEN

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVERY BAY			EAST LANTAU				SW HARBOUR				SOUTH HK ISLAND	
	2	13	14	7	15	17	1	6	9	10	11	16	12	5	4	3	8			
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
SCENARIO																				
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0			
3 (ULTIMATE & BRIDGE)	0	0	0	0	0	0	0	(+)	-	0	0	0	0	0	0	0	0			
4 (PHASES I & II)	0	0	0	0	0	0	0	0	0	0	(-)	0	0	0	0	0	0			
5 (PHASE IV & CAUSEWAY)	0	0	0	0	0	0	0	0	(-)	0	0	0	0	0	0	0	0			

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 2D
 COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : NEAP

SEASON : DRY

PARAMETER : AMMONIACAL NITROGEN

AREA	VICTORIA HARBOUR						NW HARBOUR			DISCOVERY BAY			EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND	
	2	13	14	7	15	17	1	6	9	10	11	16	12	5	4	3	8				
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SCENARIO																					
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3 (ULTIMATE & BRIDGE)	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 (PHASES I & II)	0	0	0	0	0	0	0	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
5 (PHASE IV & CAUSEWAY)	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-

KEY: 0 : No significant difference from Base Case
 + : Improvement in quality vs Base Case
 - : Degradation in quality vs Base Case
 () : Minor, insignificant change

TABLE 2E
 COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : NEAP

SEASON : DRY

PARAMETER : OXIDISED NITROGEN

AREA	VICTORIA HARBOUR						NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND	
	2	13	14	7	15	17	1	6	9		10	11	16	12	5	4	3	8	
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SCENARIO																			
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	0	0	0	(-)	(-)	0	(-)	0	0	0	0	0	0	0	
3 (ULTIMATE & BRIDGE)	0	0	0	0	0	0	0	0	(-)	(-)	(-)	0	0	0	0	0	0	0	
4 (PHASES I & II)	0	0	0	0	0	0	0	0	(-)	0	(-)	0	0	0	0	0	0	0	
5 (PHASE IV & CAUSEWAY)	0	0	0	0	0	0	0	(-)	(-)	(-)	(-)	0	0	0	0	0	0	0	

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 2F
 COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : NEAP

SEASON : DRY

PARAMETER : CHLOROPHYLL-A

AREA	VICTORIA HARBOUR					NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND	
	2	13	14	7	15	17	1	6		9	10	11	16	12	5	4	3	8
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCENARIO																		
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	0	0	0	---	--	-	(+)	0	0	0	0	0	0	0
3 (ULTIMATE & BRIDGE)	0	0	0	0	0	0	0	--	-	-	(+)	0	0	0	0	0	0	0
4 (PHASES I & II)	0	0	0	0	0	0	0	-	-	(-)	0	0	0	0	0	0	0	0
5 (PHASE IV & CAUSEWAY)	0	0	0	0	0	0	0	---	--	-	0	0	0	0	0	0	0	0

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 2G
 COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : NEAP
 SEASON : DRY
 PARAMETER : *E. Coli*

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND	
	2	13	14	7	15	17	1	6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCENARIO																	
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	0	0	0	--	0	0	-	(+)	-	0	0	-	0
3 (ULTIMATE & BRIDGE)	0	0	0	0	0	0	0	--	0	0	-	(+)	-	0	0	-	0
4 (PHASES I & II)	0	0	0	0	0	0	0	-	0	0	-	0	-	0	0	(-)	0
5 (PHASE IV & CAUSEWAY)	0	0	0	0	0	0	0	--	0	0	-	(+)	-	0	0	-	0

KEY: 0 : No significant difference from Base Case
 + : Improvement in quality vs Base Case
 - : Degradation in quality vs Base Case
 () : Minor, insignificant change

TABLE 3A
COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : WET

PARAMETER : DISSOLVED OXYGEN

SCENARIO	VICTORIA HARBOUR		NW HARBOUR		DISCOVERY BAY	EAST LANTAU		SW HARBOUR				SOUTH HK ISLAND						
	2	13	14	7		15	17	1	6	9	10	11	16	12	5	4	3	8
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 (ULTIMATE & CAUSEWAY)	0	0	0	(+)	(+)	0	0	(-)	(-)	(-)	(-)	(-)	0	(+)	-	0	0	0
3 (ULTIMATE & BRIDGE)	0	0	0	(+)	(+)	0	0	(-)	(-)	(-)	(-)	(-)	(-)	(-)	+	-	0	0
4 (PHASES I & II)	0	0	0	0	(+)	0	0	(-)	(-)	0	0	0	0	0	0	0	0	0
5 (PHASE IV & CAUSEWAY)	0	0	0	0	(+)	0	0	(-)	(-)	(-)	(-)	(-)	(-)	0	0	0	0	0

KEY: 0 : No significant difference from Base Case
 + : Improvement in quality vs Base Case
 - : Degradation in quality vs Base Case
 () : Minor, insignificant change

TABLE 3B
 COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : WET

PARAMETER : BOD₅

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVERY BAY			EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND	
	2	13	14	7	15	17	1	6	9	10	11	16	12	5	4	3	8		
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SCENARIO																			
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	0	0	0	+	0	0	0	0	(-)	0	(+)	0	0		
3 (ULTIMATE & BRIDGE)	0	0	0	0	0	0	0	(+)	(+)	(+)	(+)	0	0	0	(+)	0	0		
4 (PHASES I & II)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
5 (PHASE IV & CAUSEWAY)	0	0	0	0	0	0	0	+	(+)	(+)	0	0	0	(+)	0	0	0		

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 3C
 COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : WET

PARAMETER : ORGANIC NITROGEN

AREA	VICTORIA HARBOUR						NW HARBOUR				DISCOVERY BAY				EAST LANTAU				SW HARBOUR				SOUTH HK ISLAND	
	2	13	14	7	15	17	1	15	17	6	6	9	10	11	16	12	5	4	3	8				
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
SCENARIO																								
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	(+)	0	0	0	0	--	--	-	0	0	(+)	0	0	0	0	0				
3 (ULTIMATE & BRIDGE)	0	0	0	0	0	0	0	0	0	--	--	-	0	0	0	0	0	0	0	0				
4 (PHASES I & II)	0	0	0	0	0	0	0	0	0	-	-	-	0	0	0	0	0	0	0	0				
5 (PHASE IV & CAUSEWAY)	0	0	0	0	(+)	0	0	0	0	--	--	-	0	0	0	0	0	0	0	0				

KEY: 0 : No significant difference from Base Case
 + : Improvement in quality vs Base Case
 - : Degradation in quality vs Base Case
 () : Minor, insignificant change

TABLE 3D
COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : WET

PARAMETER : AMMONIACAL NITROGEN

AREA	VICTORIA HARBOUR						NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR					SOUTH HK ISLAND	
	2	13	14	7	15	17	1	6	9	10	11	16	12	5	4	3	8			
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
SCENARIO																				
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	(-)	0	0	(-)	0	0	(-)	-	0	0	(-)	0	0			
3 (ULTIMATE & BRIDGE)	0	0	0	0	0	0	0	0	(-)	0	0	-	0	0	(-)	0	0			
4 (PHASES I & II)	0	0	0	0	0	0	0	0	0	0	(-)	(-)	0	0	0	0	0			
5 (PHASE IV & CAUSEWAY)	0	0	0	0	0	0	0	0	(-)	0	(-)	(-)	0	0	0	0	0			

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 3E
COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : WET

PARAMETER : OXIDISED NITROGEN

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND		
	2	13	14	7	15	17	1		6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →																		
SCENARIO																		
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	0	0	0	++	(+)	0	(+)	0	0	0	0	0	0	
3 (ULTIMATE & BRIDGE)	0	0	0	0	0	0	0	++	(+)	(-)	0	0	0	0	0	0	0	
4 (PHASES I & II)	0	0	0	0	0	0	0	+	(+)	0	0	0	0	0	0	0	0	
5 (PHASE IV & CAUSEWAY)	0	0	0	0	0	0	0	++	(+)	0	0	0	0	(-)	0	0	0	

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 3F
 COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : WET

PARAMETER : CHLOROPHYLL - A

AREA	VICTORIA HARBOUR			NW HARBOUR			DISCOVER Y BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND			
	2	13	14	7	15	17		1	6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCENARIO																		
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 (ULTIMATE & CAUSEWAY)	0	0	(+)	(+)	(+)	0	0	- - -	-	+	0	+	+	+	(-)	0	0	0
3 (ULTIMATE & BRIDGE)	0	0	0	0	0	0	0	- -	-	0	0	+	(+)	(+)	(-)	0	0	0
4 (PHASES I & II)	0	0	0	0	0	0	0	-	-	0	0	0	0	0	0	0	0	0
5 (PHASE IV & CAUSEWAY)	0	0	0	0	0	0	0	- - -	-	0	0	(+)	0	0	0	0	0	0

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 3G
COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : WET

PARAMETER : *E.coli*

AREA	VICTORIA HARBOUR						NW HARBOUR				DISCOVERY BAY				EAST LANTAU				SW HARBOUR				SOUTH HK ISLAND	
	2	13	14	7	15	17	1	15	17	6	9	10	11	16	12	5	4	3	8					
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
SCENARIO																								
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	0	0	0	0	0	--	--	0	-	--	-	+	-	0						
3 (ULTIMATE & BRIDGE)	0	0	0	0	0	0	0	0	0	--	--	0	(-)	--	(-)	+	-	0						
4 (PHASES I & II)	0	0	0	0	0	0	0	0	0	-	-	0	(-)	-	(-)	0	-	0						
5 (PHASE IV & CAUSEWAY)	0	0	0	0	0	0	0	0	0	--	--	0	-	-	(-)	0	-	0						

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 4A
COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : NEAP

SEASON : WET

PARAMETER : DISSOLVED OXYGEN

AREA	VICTORIA HARBOUR			NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR			SOUTH HK ISLAND				
	2	13	14	7	15	17		1	6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCENARIO																		
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	(+)	(+)	0	+	(+)	0	-	-	(-)	(+)	0	0	0	0
3 (ULTIMATE & BRIDGE)	0	0	0	0	(+)	(+)	0	+	0	0	-	-	0	(+)	0	0	0	0
4 (PHASES I & II)	0	0	0	0	0	(+)	0	0	0	0	(-)	0	0	0	0	0	0	0
5 (PHASE IV & CAUSEWAY)	0	0	0	0	(+)	(+)	0	(+)	0	0	(-)	(-)	(-)	0	0	0	0	0

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 4B
COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : NEAP
SEASON : WET
PARAMETER : BOD₅

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVERY BAY	EAST LANTAU				SW HARBOUR				SOUTH HK ISLAND	
	2	13	14	7	15	17	1		6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →																		
SCENARIO																		
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	+	0	0	0	0	(-)	0	0	0	0	0	0	0	0
3 (ULTIMATE & BRIDGE)	0	0	0	0	+	0	0	0	(-)	0	0	0	0	0	0	0	0	0
4 (PHASES I & II)	0	0	0	0	(+)	0	0	0	0	(-)	0	0	0	0	0	0	0	0
5 (PHASE IV & CAUSEWAY)	0	0	0	0	+	0	0	0	0	(-)	0	0	0	0	0	0	0	0

KEY: 0 : No significant difference from Base Case
 + : Improvement in quality vs Base Case
 - : Degradation in quality vs Base Case
 () : Minor, insignificant change

TABLE 4C
COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : NEAP

SEASON : WET

PARAMETER : ORGANIC NITROGEN

AREA	VICTORIA HARBOUR			NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR			SOUTH HK ISLAND				
	2	13	14	7	15	17		1	6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCENARIO																		
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 (ULTIMATE & CAUSEWAY)	0	0	0	(+)	+	0	0	-	-	0	(+)	0	0	(+)	0	0	0	0
3 (ULTIMATE & BRIDGE)	0	0	0	(+)	+	0	0	-	-	0	0	0	0	(+)	0	0	0	0
4 (PHASES I & II)	0	0	0	(+)	+	0	0	(-)	(-)	0	0	0	0	0	0	0	0	0
5 (PHASE IV & CAUSEWAY)	0	0	0	(+)	+	0	0	-	-	0	0	0	0	0	(+)	0	0	0

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 4D
 COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : NEAP

SEASON : WET

PARAMETER : AMMONIACAL NITROGEN

AREA	VICTORIA HARBOUR						NW HARBOUR			DISCOVERY BAY			EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND		
	2	13	14	7	15	17	1	6	9	10	11	16	12	5	4	3	8					
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
SCENARIO																						
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
2 (ULTIMATE & CAUSEWAY)	0	0	0	(+)	+	(+)	0	0	0	0	0	0	0	(-)	0	0	0					
3 (ULTIMATE & BRIDGE)	0	0	0	0	(+)	0	0	0	0	0	0	0	0	(-)	0	0	0					
4 (PHASES I & II)	0	0	0	0	(+)	0	0	0	0	0	0	0	0	0	0	0	0					
5 (PHASE IV & CAUSEWAY)	0	0	0	0	+	0	0	0	0	0	0	0	0	0	0	0	0					

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 4E
 COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : NEAP

SEASON : WET

PARAMETER : OXIDISED NITROGEN

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND		
	2	13	14	7	15	17	1		6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCENARIO																		
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	(+)	0	0	0	0	0	(-)	0	0	0	0	0	0	0
3 (ULTIMATE & BRIDGE)	0	0	0	0	(+)	0	0	0	0	0	(-)	0	0	(-)	0	0	0	0
4 (PHASES I & II)	0	0	0	0	(+)	0	0	0	0	0	(-)	0	0	0	0	0	0	0
5 (PHASE IV & CAUSEWAY)	0	0	0	0	(+)	0	0	0	0	0	(-)	0	0	0	0	0	0	0

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 4F
COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : NEAP

SEASON : WET

PARAMETER : CHLOROPHYLL - A

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVERY BAY		EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND	
	2	13	14	7	15	17	1	6	9	10	11	16	12	5	4	3	8	
OUTPUT STATION →																		
SCENARIO																		
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	+	0	0	- - -	-	0	+	+	(+)	+	0	0	0	
3 (ULTIMATE & BRIDGE)	0	0	0	0	(+)	0	0	- -	-	0	+	+	(+)	+	0	0	0	
4 (PHASES I & II)	0	0	0	0	(+)	0	0	-	(-)	0	(+)	+	(+)	(+)	0	0	0	
5 (PHASE IV & CAUSEWAY)	0	0	0	0	+	0	0	- - -	-	0	+	+	(+)	(+)	0	0	0	

KEY: 0 : No significant difference from Base Case

+ : Improvement in quality vs Base Case

- : Degradation in quality vs Base Case

() : Minor, insignificant change

TABLE 4G
COMPARISONS TO BASE CASE DATA

TIDAL CYCLE : NEAP
SEASON : WET
PARAMETER : *E. coli*

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND		
	2	13	14	7	15	17	1		6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCENARIO																		
1 (BASECASE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 (ULTIMATE & CAUSEWAY)	0	0	0	0	0	0	0	-	--	0	-	0	0	(-)	0	-	0	0
3 (ULTIMATE & BRIDGE)	0	0	0	0	0	0	0	-	--	0	-	0	0	(-)	0	-	0	0
4 (PHASES I & II)	0	0	0	0	0	0	0	-	--	0	(-)	0	0	0	0	-	0	0
5 (PHASE IV & CAUSEWAY)	0	0	0	0	0	0	0	-	--	0	-	0	0	(-)	0	-	0	0

KEY: 0 : No significant difference from Base Case
+ : Improvement in quality vs Base Case
- : Degradation in quality vs Base Case
() : Minor, insignificant change

TABLE 5A
 COMPARISONS OF ULTIMATE DEVELOPMENT DATA TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : WET

PARAMETER : DISSOLVED OXYGEN

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND	
	2	13	14	7	15	17	1		6	9	10	11	16	12	5	4	3
OUTPUT STATION →	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCENARIO																	
BASECASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAUSEWAY WITH ORIGINAL LOADS *	0	0	0	(+)	(+)	0	0	(-)	(-)	0	(-)	(-)	0	(+)	-	0	0
CAUSEWAY WITH TREATED LOADS	0	0	0	0	(+)	0	0	-	-	0	0	(-)	0	(+)	-	0	0
CAUSEWAY WITH YP & DB LOADS REMOVED	0	0	0	0	(+)	0	0	-	-	0	(-)	-	0	(+)	-	0	0
BRIDGE WITH ORIGINAL LOADS	0	0	0	(+)	(+)	0	0	(-)	-	(-)	(-)	(-)	(-)	+	-	0	0
BRIDGE WITH TREATED LOADS	0	0	0	0	(+)	0	0	-	(-)	(-)	(-)	(-)	0	0	-	0	0
BRIDGE WITH YP & DB LOADS REMOVED	0	0	0	0	(+)	0	0	-	(-)	(-)	(-)	-	0	(+)	-	0	0

KEY: 0 : No significant difference from Base Case
 () : Minor, insignificant change
 + : Degradation in quality vs Base Case
 - : Improvement in quality vs Base Case
 • : See Table 3A

TABLE 5B
COMPARISONS OF ULTIMATE DEVELOPMENT DATA TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : WET

PARAMETER : BOD₅

AREA	VICTORIA HARBOUR			NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND			
	2	13	14	7	15	17		1	6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →																		
SCENARIO																		
BASECASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAUSEWAY WITH ORIGINAL LOADS*	0	0	0	0	0	0	0	+	0	0	0	0	(-)	0	(+)	0	0	0
CAUSEWAY WITH TREATED LOADS	0	0	0	0	0	0	0	++	+	+	0	0	0	0	(-)	0	0	0
CAUSEWAY WITH YP & DB LOADS REMOVED	0	0	0	0	0	0	0	++	+	+	0	0	0	0	(-)	0	0	0
BRIDGE WITH ORIGINAL LOADS	0	0	0	0	0	0	0	(+)	(+)	(+)	(+)	0	0	0	(+)	0	0	0
BRIDGE WITH TREATED LOADS	0	0	0	0	0	0	0	+	+	+	0	0	0	0	(+)	0	0	0
BRIDGE WITH YP & DB LOADS REMOVED	0	0	0	0	0	0	0	+	+	+	(+)	0	0	0	(+)	0	0	0

KEY: 0 : No significant difference from Base Case
 () : Minor, insignificant change
 - : Degradation in quality vs Base Case
 + : Improvement in quality vs Base Case
 • : See Table 3B

TABLE 5C
 COMPARISONS OF ULTIMATE DEVELOPMENT DATA TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : WET

PARAMETER : ORGANIC NITROGEN

AREA	VICTORIA HARBOUR			NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND			
	2	13	14	7	15	17		1	6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →																		
SCENARIO																		
BASECASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAUSEWAY WITH ORIGINAL LOADS *	0	0	0	0	(+)	0	0	--	-	0	0	(+)	0	0	0	0	0	0
CAUSEWAY WITH TREATED LOADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAUSEWAY WITH YP & DB LOADS REMOVED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRIDGE WITH ORIGINAL LOADS	0	0	0	0	0	0	0	--	-	0	0	0	0	0	0	0	0	0
BRIDGE WITH TREATED LOADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRIDGE WITH YP & DB LOADS REMOVED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

KEY: 0 : No significant difference from Base Case
 () : Minor, insignificant change
 - : Degradation in quality vs Base Case
 + : Improvement in quality vs Base Case
 * : See Table 3C

TABLE 5D
 COMPARISONS OF ULTIMATE DEVELOPMENT DATA TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : WET

PARAMETER : AMMONIACAL NITROGEN

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVERY BAY	EAST LANTAU				SW HARBOUR				SOUTH HK ISLAND	
	2	13	14	7	15	17	1		6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →																		
SCENARIO																		
BASECASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAUSEWAY WITH ORIGINAL LOADS	0	0	0	0	(-)	0	0	(-)	0	0	(-)	-	0	0	(-)	0	0	0
CAUSEWAY WITH TREATED LOADS	0	0	0	0	0	0	0	(+)	0	0	(+)	-	0	0	(-)	0	0	0
CAUSEWAY WITH YP & DB LOADS REMOVED	0	0	0	0	0	0	0	(+)	0	0	(+)	-	0	0	(-)	0	0	0
BRIDGE WITH ORIGINAL LOADS	0	0	0	0	0	0	0	0	(-)	0	0	-	0	0	(-)	0	0	0
BRIDGE WITH TREATED LOADS	0	0	0	0	0	0	0	(+)	0	0	(+)	-	0	0	0	0	0	0
BRIDGE WITH YP & DB LOADS REMOVED	0	0	0	0	0	0	0	(+)	0	0	(+)	-	0	0	(-)	0	0	0

KEY: 0 : No significant difference from Base Case
 () : Minor, insignificant change
 . : Degradation in quality vs Base Case
 + : Improvement in quality vs Base Case
 See Table 3D

TABLE 5E
COMPARISONS OF ULTIMATE DEVELOPMENT DATA TO BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : WET

PARAMETER : OXIDISED NITROGEN

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVER Y BAY			EAST LANTAU			SW HARBOUR			SOUTH HK ISLAND	
	2	13	14	7	15	17	1	6	9	10	11	16	12	5	4	3	8	
OUTPUT STATION →																		
SCENARIO																		
BASECASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CAUSEWAY WITH ORIGINAL LOADS*	0	0	0	0	0	0	0	++	(+)	0	(+)	(-)	0	0	0	0	0	
CAUSEWAY WITH TREATED LOADS	0	0	0	0	(+)	0	0	+++	+	(-)	0	(-)	0	0	0	0	0	
CAUSEWAY WITH YP & DB LOADS REMOVED	0	0	(+)	0	(+)	0	0	+++	+	(-)	(+)	(-)	0	0	0	0	0	
BRIDGE WITH ORIGINAL LOADS	0	0	0	0	0	0	0	++	(+)	(-)	0	0	0	0	0	0	0	
BRIDGE WITH TREATED LOADS	0	0	0	0	0	0	0	++	+	0	(+)	(-)	0	0	0	0	0	
BRIDGE WITH YP & DB LOADS REMOVED	0	0	0	0	0	0	0	++	+	(-)	0	(-)	0	0	0	0	0	

KEY: 0 : No significant difference from Base Case
 () : Minor, insignificant change
 + : Degradation in quality vs Base Case
 - : Improvement in quality vs Base Case
 * : See Table 3E

TABLE 5F
COMPARISONS OF ULTIMATE DEVELOPMENT DATA TO BASE CASE DATA

TIDAL CYCLE : SPRING
 SEASON : WET
 PARAMETER : CHLOROPHYLL- A

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVER Y BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND		
	2	13	14	7	15	17	1		6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →																		
SCENARIO																		
BASECASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAUSEWAY WITH ORIGINAL LOADS*	0	0	(+)	(+)	(+)	0	0	---	-	+	+	+	+	+	(-)	0	0	
CAUSEWAY WITH TREATED LOADS	0	0	(+)	(+)	(+)	0	0	-	(+)	+	(+)	+	+	+	0	0	(+)	
CAUSEWAY WITH YP & DB LOADS REMOVED	0	0	(+)	(+)	(+)	0	0	+	(+)	+	0	+	+	+	0	(+)	(+)	
BRIDGE WITH ORIGINAL LOADS	0	0	0	0	0	0	0	--	-	0	0	+	(+)	(+)	(-)	0	0	
BRIDGE WITH TREATED LOADS	0	0	(+)	(+)	0	0	0	-	0	+	(+)	+	+	+	0	0	(+)	
BRIDGE WITH YP & DB LOADS REMOVED	0	0	(+)	(+)	0	0	0	-	0	+	0	+	+	+	0	0	(+)	

KEY: 0 : No significant difference from Base Case
 () : Minor, insignificant change
 + : Degradation in quality vs Base Case
 - : Improvement in quality vs Base Case
 * : See Table 3F

TABLE 5G
COMPARISONS OF ULTIMATE DEVELOPMENT DATA TO BASE CASE DATA BASE CASE DATA

TIDAL CYCLE : SPRING

SEASON : WET

PARAMETER : E.coli

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVER Y BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND		
	2	13	14	7	15	17	1		6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →																		
SCENARIO																		
BASECASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAUSEWAY WITH ORIGINAL LOADS	0	0	0	0	0	0	0	--	--	0	-	--	-	-	+	-	0	0
CAUSEWAY WITH TREATED LOADS	0	0	0	0	0	0	0	+	-	0	(-)	-	0	(-)	(+)	(-)	0	0
CAUSEWAY WITH YP & DB LOADS REMOVED	0	0	0	0	(+)	(+)	0	+	-	0	(-)	-	0	-	(+)	(-)	0	0
BRIDGE WITH ORIGINAL LOADS	0	0	0	0	0	0	0	--	--	0	(-)	--	(-)	-	+	-	0	0
BRIDGE WITH TREATED LOADS	0	0	0	0	0	0	0	+	-	0	(-)	-	0	-	(+)	(-)	0	0
BRIDGE WITH YP & DB LOADS REMOVED	0	0	0	0	(+)	(+)	0	+	-	0	(-)	-	0	-	0	(-)	0	0

KEY: 0 : No significant difference from Base Case
 () : Minor, insignificant change
 - : Degradation in quality vs Base Case
 + : Improvement in quality vs Base Case
 • : See Table 3G

TABLE 6A
 COMPARISONS OF ULTIMATE DEVELOPMENT DATA TO BASE CASE DATA BASE CASE DATA

TIDAL CYCLE : NEAP

SEASON : WET

PARAMETER : DISSOLVED OXYGEN

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND		
	2	13	14	7	15	17	1		6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →																		
SCENARIO																		
BASECASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAUSEWAY WITH ORIGINAL LOADS	0	0	0	0	(+)	(+)	0	+	(+)	0	-	-	(-)	(+)	0	0	0	0
CAUSEWAY WITH TREATED LOADS	0	0	0	0	(+)	(+)	0	+	(+)	0	-	-	(-)	(+)	0	0	0	0
CAUSEWAY WITH YP & DB LOADS REMOVED	0	0	0	0	(+)	0	0	0	0	(-)	-	-	0	(+)	0	0	0	0
BRIDGE WITH ORIGINAL LOADS	0	0	0	0	(+)	(+)	0	+	0	0	-	-	0	(+)	0	0	0	0
BRIDGE WITH TREATED LOADS	0	0	0	0	(+)	0	0	(+)	0	0	-	-	(-)	(+)	0	0	0	0
BRIDGE WITH YP & DB LOADS REMOVED	0	0	0	0	(+)	0	0	0	0	0	-	-	0	(+)	0	0	0	0

KEY: 0 : No significant difference from Base Case
 () : Minor, insignificant change
 - : Degradation in quality vs Base Case
 + : Improvement in quality vs Base Case
 • : See Table 4A

TABLE 6B
COMPARISONS OF ULTIMATE DEVELOPMENT DATA TO BASE CASE DATA BASE CASE DATA

TIDAL CYCLE : NEAP
 SEASON : WET
 PARAMETER : BOD₅

AREA	VICTORIA HARBOUR			NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR			SOUTH HK ISLAND				
	2	13	14	7	15	17		1	6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →																		
SCENARIO																		
BASECASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAUSEWAY WITH ORIGINAL LOADS*	0	0	0	0	(+)	0	0	0	(-)	(-)	0	0	0	0	0	0	0	0
CAUSEWAY WITH TREATED LOADS	0	0	0	0	(+)	0	0	+	0	0	0	0	0	0	0	0	0	0
CAUSEWAY WITH YP & DB LOADS REMOVED	0	0	0	0	(+)	0	0	++	0	0	0	0	0	0	0	0	0	0
BRIDGE WITH ORIGINAL LOADS	0	0	0	0	(+)	0	0	(-)	(-)	(-)	0	0	0	0	0	0	0	0
BRIDGE WITH TREATED LOADS	0	0	0	0	(+)	0	0	(+)	(-)	(-)	0	0	0	0	0	0	0	0
BRIDGE WITH YP & DB LOADS REMOVED	0	0	0	0	(+)	0	0	+	(-)	(-)	0	0	0	0	0	0	0	0

KEY: 0 : No significant difference from Base Case
 () : Minor, insignificant change
 - : Degradation in quality vs Base Case
 + : Improvement in quality vs Base Case
 * : See Table 4B

TABLE 6C
 COMPARISONS OF ULTIMATE DEVELOPMENT DATA TO BASE CASE DATA BASE CASE DATA

TIDAL CYCLE : NEAP
 SEASON : WET
 PARAMETER : ORGANIC NITROGEN

AREA	VICTORIA HARBOUR			NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR			SOUTH HK ISLAND				
	2	13	14	7	15	17		1	6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →																		
SCENARIO																		
BASECASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAUSEWAY WITH ORIGINAL LOADS*	0	0	0	(+)	+	0	0	-	-	0	(+)	0	0	(+)	0	0	0	0
CAUSEWAY WITH TREATED LOADS	0	0	0	0	+	0	0	+	0	0	0	0	0	0	0	0	0	0
CAUSEWAY WITH YP & DB LOADS REMOVED	0	0	0	0	+	0	0	+	0	0	0	0	0	0	0	0	0	0
BRIDGE WITH ORIGINAL LOADS	0	0	0	0	+	0	0	-	-	0	(-)	0	0	(+)	0	0	0	0
BRIDGE WITH TREATED LOADS	0	0	0	0	+	0	0	+	0	0	0	0	0	0	0	0	0	0
BRIDGE WITH YP & DB LOADS REMOVED	0	0	0	0	+	0	0	+	0	0	0	0	0	0	0	0	0	0

KEY: 0 : No significant difference from Base Case
 () : Minor, insignificant change
 - : Degradation in quality vs Base Case
 + : Improvement in quality vs Base Case
 * : See Table 4C

TABLE 6D
 COMPARISONS OF ULTIMATE DEVELOPMENT DATA TO BASE CASE DATA BASE CASE DATA

TIDAL CYCLE : NEAP
 SEASON : WET
 PARAMETER : AMMONIACAL NITROGEN

AREA	VICTORIA HARBOUR						NW HARBOUR			DISCOVERY BAY	EAST LANTAU				SW HARBOUR				SOUTH HK ISLAND	
	2	13	14	7	15	17	1	6	9		10	11	16	12	5	4	3	8		
OUTPUT STATION →																				
SCENARIO																				
BASECASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
CAUSEWAY WITH ORIGINAL LOADS*	0	0	0	(+)	+	(+)	0	0	0	0	0	0	0	(-)	0	0	0			
CAUSEWAY WITH TREATED LOADS	0	0	0	0	+	(+)	0	0	0	0	0	0	0	(-)	0	0	0			
CAUSEWAY WITH YP & DB LOADS REMOVED	0	0	0	0	+	0	0	0	0	0	0	0	0	(-)	0	0	0			
BRIDGE WITH ORIGINAL LOADS	0	0	0	0	(+)	0	0	0	0	0	0	0	0	(-)	0	0	0			
BRIDGE WITH TREATED LOADS	0	0	0	0	+	(+)	0	0	0	0	0	0	0	(-)	0	0	0			
BRIDGE WITH YP & DB LOADS REMOVED	0	0	0	0	+	0	0	0	0	0	0	0	0	(-)	0	0	0			

KEY: 0 : No significant difference from Base Case
 () : Minor, insignificant change
 + : Degradation in quality vs Base Case
 - : Improvement in quality vs Base Case
 * : See Table 4D

TABLE 6E
COMPARISONS OF ULTIMATE DEVELOPMENT DATA TO BASE CASE DATA BASE CASE DATA

TIDAL CYCLE : NEAP

SEASON : WET

PARAMETER : OXIDISED NITROGEN

AREA	VICTORIA HARBOUR						NW HARBOUR			DISCOVERY BAY	EAST LANTAU				SW HARBOUR				SOUTH HK ISLAND	
	2	13	14	7	15	17	1	6	9		10	11	16	12	5	4	3	8		
OUTPUT STATION →																				
SCENARIO																				
BASECASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
CAUSEWAY WITH ORIGINAL LOADS*	0	0	0	0	(+)	0	0	0	0	0	(-)	(-)	0	0	0	0	0			
CAUSEWAY WITH TREATED LOADS	0	0	0	0	+	+	0	0	0	0	(-)	0	0	(-)	0	0	0			
CAUSEWAY WITH YP & DB LOADS REMOVED	0	0	0	0	+	+	0	(+)	0	0	(-)	0	0	(-)	0	0	0			
BRIDGE WITH ORIGINAL LOADS	0	0	0	0	(+)	0	0	0	0	0	(-)	0	0	(-)	0	0	0			
BRIDGE WITH TREATED LOADS	0	0	0	0	(+)	(+)	0	0	0	0	(-)	0	0	(-)	0	0	0			
BRIDGE WITH YP & DB LOADS REMOVED	0	0	0	0	+	(+)	0	(+)	0	0	(-)	0	0	(-)	0	0	0			

KEY: 0 : No significant difference from Base Case
 (-) : Minor, insignificant change
 (+) : Degradation in quality vs Base Case
 (-) : Improvement in quality vs Base Case
 • : See Table 4E

TABLE 6F
 COMPARISONS OF ULTIMATE DEVELOPMENT DATA TO BASE CASE DATA BASE CASE DATA

TIDAL CYCLE : NEAP

SEASON : WET

PARAMETER : CHLOROPHYLL - A

AREA	VICTORIA HARBOUR				NW HARBOUR			DISCOVERY BAY			SW HARBOUR				SOUTH HK ISLAND		
	2	13	14	7	15	17	1	6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →																	
SCENARIO																	
BASECASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAUSEWAY WITH ORIGINAL LOADS*	0	0	0	0	+	0	0	- - -	0	0	+	+	(+)	+	0	0	0
CAUSEWAY WITH TREATED LOADS	0	0	0	0	+	0	0	+	0	+	+	+	(+)	+	0	0	0
CAUSEWAY WITH YP & DB LOADS REMOVED	0	0	0	(+)	+	0	0	+	0	+	+	+	(+)	+	0	0	0
BRIDGE WITH ORIGINAL LOADS	0	0	0	0	(+)	0	0	- -	0	0	+	+	(+)	+	0	0	0
BRIDGE WITH TREATED LOADS	0	0	0	0	+	0	0	(-)	0	+	+	+	(+)	+	0	0	0
BRIDGE WITH YP & DB LOADS REMOVED	0	0	0	0	+	0	0	+	0	+	+	+	(+)	+	0	0	0

KEY: 0 : No significant difference from Base Case ; Degradation in quality vs Base Case ; See Table 4F
 () : Minor, insignificant change ; Improvement in quality vs Base Case

TABLE 6G
COMPARISONS OF ULTIMATE DEVELOPMENT DATA TO BASE CASE DATA BASE CASE DATA

TIDAL CYCLE : NEAP
 SEASON : WET
 PARAMETER : *E. coli*

AREA	VICTORIA HARBOUR			NW HARBOUR			DISCOVERY BAY	EAST LANTAU			SW HARBOUR				SOUTH HK ISLAND			
	2	13	14	7	15	17		1	6	9	10	11	16	12	5	4	3	8
OUTPUT STATION →																		
SCENARIO																		
BASECASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAUSEWAY WITH ORIGINAL LOADS*	0	0	0	0	0	0	0	-	--	0	-	0	0	(-)	0	-	0	0
CAUSEWAY WITH TREATED LOADS	0	0	0	0	0	0	0	+	-	0	-	0	0	0	0	-	0	0
CAUSEWAY WITH YP & DB LOADS REMOVED	0	0	0	0	0	0	0	+	-	0	-	0	0	(+)	0	-	0	0
BRIDGE WITH ORIGINAL LOADS	0	0	0	0	0	0	0	-	--	0	-	0	0	0	(-)	-	0	0
BRIDGE WITH TREATED LOADS	0	0	0	0	0	0	0	+	-	0	-	0	0	0	0	-	0	0
BRIDGE WITH YP & DB LOADS REMOVED	0	0	0	0	0	0	0	+	-	0	-	0	0	0	0	-	0	0

KEY: 0 : No significant difference from Base Case . : Degradation in quality vs Base Case * : See Table 4G
 (-) : Minor, insignificant change + : Improvement in quality vs Base Case