APPENDIX E: MULTI-CRITERIA ASSESSMENT OF POSSIBLE MANAGEMENT OPTIONS

Refer Section 6.2 for discussion of options assessment.

Refer Section 5.7 for discussion of objectives prioritisation and relative scores.

Better options are those with higher overall scores, and represent options that address higher priority and/or multiple objectives, are low cost, and are likely to be effective when implemented (which includes consideration of community acceptance).

				Objectives																											
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18										
			rel. score	4	3.9	3.2	3.4	2	3.7	4	3.3	2.9	1.8	4.1	3.3	3.3	4.1	3.4	4.3	3.2	4	obj_score		costs	cost_fact	obj*costfact	effective.	effect_fact	**total score**	
	Type	timeframe																				total	Rank	H-M-L			H-M-L			**Rank**
WQ1	On-grd wks	Short	Review and implement the rec	1	1																	7.9	10	H	1	7.9	M	2	**15.8**	**26**
WQ2	On-grd wks	*Short*	Ensure appropriate connection	1	1																	7.9	10	H	1	7.9	H	3	**23.7**	**16**
WQ3	On-grd wks	Medium	Install 'leaky pits' in the caravai	1	1																	7.9	10	H	1	7.9	H	3	**23.7**	**16**
WQ4	On-grd wks	Long	Upgrade the reticulated sewera	1	1																	7.9	10	H	1	7.9	L	1	**7.9**	**34**
WQ5	Education	Medium	Encourage on-site stormwater	1	1																	7.9	10	M	2	15.8	L	1	**15.8**	**26**
WQ6	Education	Short	Public education regarding imp	1	1																	7.9	10	M	2	15.8	L	1	**15.8**	**26**
WQ7	Education	Short	Public education regarding coll	1	1																	7.9	10	M	2	15.8	L	1	**15.8**	**26**
WQ8	Administratic	Short	Prohibit discharge of agricultura	0	1	1								1	1							14.5	7	L	3	43.5	H	3	**130.5**	**5**
WQ9	On-grd wks	Short	Immediately artificially open the	0	1																	3.9	31	M	2	7.8	H	3	**23.4**	**20**
WQ10	On-grd wks	Short	Artificially open the creek entra	0	1																	3.9	31	M	2	7.8	H	3	**23.4**	**20**
WQ11	Further inves	Medium	Conduct a pollutant source inv	1	1																	7.9	10	H	1	7.9	M	2	**15.8**	**26**
WQ12	Monitoring	On-going	Continue to monitor for bacteria	0	1																	3.9	31	M	2	7.8	H	3	**23.4**	**20**
WQ13	Monitoring	Short	Establish a comprehensive wat	1	1																	7.9	10	H	1	7.9	H	3	**23.7**	**16**
WQ14	Planning	Medium	Prepare a DCP for all new urba	1	1																	7.9	10	L	3	23.7	M	2	**47.4**	**10**
EM1	Further inves	Immediate	Critically assess the actual thre	0					1				1	1								9.6	9	L	3	28.8	M	2	**57.6**	**9**
EM2	Planning	Short	Prepare a formal Entrance Mar	0	1		1	1	1	1	1		1	1						1		29.4	1	L	3	88.2	H	3	**264.6**	**1**
EM3	On-grd wks	Short	Install appropriate signage outl	0				1														2	34	L	3	6	M	2	**12**	**33**
Sed1	Administratic	Short	Only allow floodwater flows into	0								1		1								7	23	L	3	21	M	2	**42**	**12**
Sed2	On-grd wks	Medium	Construct a block (weir) in the	0								1		1								7	23	M	2	14	M	2	**28**	**14**
Sed3	On-grd wks	Short	Remove / dredge sand shoal ir	0	1	1			1	1		1	1							1		22.7	3	M	2	45.4	H	3	**136.2**	**4**
Ecol1	Planning	Long	Rezone the estuary and its sur	0									1	1								5.9	25	L	3	17.7	L	1	**17.7**	**24**
Ecol2	Further inves	Medium	Assess areas of coastal wetlan	0									1	1								5.9	25	M	2	11.8	M	2	**23.6**	**19**
Ecol3	On-grd wks	Short	Undertake riparian re-vegetatic	0										1								4.1	28	H	1	4.1	H	3	**12.3**	**31**
Ecol4	On-grd wks	Medium	Undertake targeted rehabilitatic	0										1								4.1	28	H	1	4.1	H	3	**12.3**	**31**
Ecol5	Monitoring	Long	Undertake periodic flora and fa	0										1								4.1	28	M	2	8.2	M	2	**16.4**	**25**
FM1	Planning	Short	Prepare a formal floodgate mar	0		1						1				1	1	1		1		20.1	4	L	3	60.3	H	3	**180.9**	**2**
FM2	On-grd wks	Short	Upgrade / repair floodgates to	0		1						1				1	1	1		1		20.1	4	M	2	40.2	H	3	**120.6**	**6**
FM3	Further inves	Immediate	Carry out a hydrological model	0														1	1	1		10.9	8	M	2	21.8	H	3	**65.4**	**8**
FM4	Further inves	Short	Conduct a detailed agricultural	0															1			4.3	27	M	2	8.6	H	3	**25.8**	**15**
FM5	Further inves	Short	Assess the likely impacts of se	0														1	1			7.7	21	M	2	15.4	H	3	**46.2**	**11**
FM6	Education	Medium	Targeted education of agricultu	0														1	1			7.7	21	M	2	15.4	M	2	**30.8**	**13**
FM7	On-grd wks	Medium	Restore entrance training wall	0					1												1	7.7	20	h	1	7.7	H	3	**23.1**	**23**
Multi1	Further inves	Immediate	Carry out an environmental flo	0		1			1			1	1			1	1					19	6	M	2	38	H	3	**114**	**7**
Multi2	Administratic	Immediate	Establish a number of local, co	1	1	1	1		1		1			1								25.6	2	L	3	76.8	M	2	**153.6**	**3**

Overall scores for different options considered (refer Section 6.1 for description of all options assessed).