

APPENDIX O – Multi-Criteria Assessment Scoring Details

O Multi-Criteria Assessment Scoring Details

Option ID	Option Description	Capital Cost	Recurrent Cost	Reduction in AAD	BCR	Economic					Social				Environ-mental	Score	Overall Rank	Sub-Category Rank		
						Reduction in Flood Damages	Capital Cost	Operating and Maintenance Costs	Implementation Complexity	Staging of Works	Availability of Financial Assistance	Increased Community Flood Awareness	Reduction in Risk to Life	Emergency Access and Traffic Disruption	Compatible with Council's Plans and Policies				Likely Community Support	Floral/Fauna, Visual, Recreational Space, and Water Quality Impacts
Criteria Weighting						5	5	5	2	2	4	2	5	4	2	3	5			
FM01	Woy Woy CBD drainage upgrades	\$1,708,840	\$ 500	\$176	0.00	1	-3	-1	-2	2	1	0	0	1	-1	0	-1	-14.0	19	9
FM02	Dulkara Road to Karringal Close drainage upgrades	\$ 653,100	\$ 500	\$17,557	0.39	1	-3	-1	-2	1	-1	0	1	1	1	0	-1	-15.0	20	10
FM03	Infiltration Devices	\$ 144,200	\$6,000	\$138	N/A	1	-2	-2	2	2	-1	0	1	1	2	3	0	11.0	6	1
FM04	Groundwater pumping and Everglades drainage update work	\$ -	\$4,000	N/A	N/A	0	0	-1	2	0	-1	0	0	0	2	0	0	-1.0	12	4
																			Capital Works Rank	

FM05	Greenhaven Drive drainage upgrades	\$ 107,520	\$ -	\$9,938	1.36	1	-1	0	-2	1	-1	0	1	1	1	0	-1	0.0	11	3
FM06A	Kahibah Creek system maintenance	\$ -	\$ 320,000	\$ 2,786	0.00	-1	0	3	0	2	-1	0	0	1	2	-2	-2	2.0	10	2
FM06B	Increase Kahibah Creek system maintenance	\$ 300,000	\$ 200,000	N/A	N/A	1	0	-3	-1	2	-1	0	0	0	0	1	0	-9.0	16	7
FM08	Palmtree Grove detention basin reduced capacity	\$ 295,400	-\$30,000	-\$ 2,822	3.54	-1	-2	2	-2	1	-1	0	1	1	1	-1	0	-3.0	13	5
FM09	Wilks Avenue and McManus Close drainage upgrades	\$80,920	\$ -	N/A	N/A	0	-2	0	-2	1	-1	0	1	1	1	0	-1	-10.0	17	8
FM10	Neera Road drainage upgrades	\$95,830	\$ -	\$233	N/A	1	-2	0	-1	1	-1	0	1	1	1	0	-1	-3.0	13	5
PM03	Voluntary House Raising	\$100,000 each	\$ -	\$10 - \$20k each	0.01	3	-3	0	-3	-1	-1	0	3	0	0	0	0	3.0	9	8
PM04	Property Flood Risk Education Program	\$ -	\$2,000	N/A	N/A	0	-1	0	3	0	-1	2	0	0	2	0	0	5.0	7	6
PM05	Property Management Education Program	\$80,000	\$5,000	N/A	N/A	1	-2	-2	3	0	-1	2	0	0	1	2	1	4.0	8	7
PM06	Reduced Level of Drainage Service	\$20,000	N/A	N/A	N/A	0	-1	2	3	2	-1	0	0	0	0	-1	1	13.0	3	3
PM07	Landform Adaptation	\$2.0M to \$49.6M	\$ -	\$1,000 to \$10,000 per property	0.2 to 0.8	3	-3	2	-3	2	2	0	3	3	2	2	0	53.0	1	1
EM01	Review of Evacuation Centre Locations	\$10,000	\$ -	N/A	N/A	0	-1	0	2	0	-1	0	2	0	1	0	1	12.0	5	5

Planning Measures Rank



EM02A EM02B	Access Improvements During Flooding	\$1.6M - 1% AEP \$12.2M - PMF	\$ -	N/A	N/A	0	-3	0	-3	1	-1	0	0	2	1	0	0	-13.0	18	10
EM03	Flood Warning System	\$50,000	\$ 10,000	NA	NA	0	-2	-2	1	1	-1	0	2	0	1	1	0	-5.0	15	9
EM04	Flood Warning Signs	\$5,000	\$1,000	NA	NA	0	-1	-1	3	2	-1	3	2	0	1	0	0	14.0	2	2
EM05	Flood Education Programs	\$10,000	\$2,500	NA	NA	0	-1	-1	3	0	-1	3	2	0	1	1	0	13.0	3	3
PM02	Voluntary House Purchase	Not considered																		