Table 11.1 Summary of recommended options

Priority	Project/Activity title	Budget estimate	SMA funding eligible	Flood mitigation benefit	Water quality benefit	Other benefits
High	F1 Gleneagles Reserve storage	$12,726,000 ($2,000 annually)	Y	Eliminates above floor flooding of private property in the 20% AEP event in a known flooding hotspot	Could consider infiltration during detailed design	Limited disturbance of open space Opportunities for localised infiltration/reuse Can be staged
High	F2 Nedford Reserve detention basin	$248,000 ($2,000 annually)	Y	Significant reduction (~180 mm) in flood depths within the road corridor in the 20% AEP event	High – landscape to provide water quality improvement	Possibility for landscaping for improved amenity and biodiversity
High	F3 Beatrice Avenue and Trimmer Parade pipe upgrades	$9,117,000	Y	Eliminates above floor flooding of private property in the 20% AEP event along the alignment of the upgrade (previously 7 properties subject to above floor flooding)	Minimal	Opportunity to incorporate WSUD with inlets
High	F11 Education and awareness	$70,000	N	Likely to reduce flood impacts on community	-	Public can better respond to flooding. Better community resilience to flooding.
High	F12 Flood mapping outputs	$20,000	N	Provide up to date information of flooding within the catchment	-	Better planning outcomes. Public can better respond to flooding via greater preparedness.
High	Q7 Microplastics investigation	$20,000	N	-	Understanding of source of Microplastics so that the levels can be reduced	-
High	Q8 Enforce sediment controls for development	-	N	-	Lower TSS discharged to receiving environments	Low cost (developer responsibility). Will also improve aesthetics in areas of heavy development and may reduce required frequency of street sweeping.
High	Q1 Gross Pollutant Traps	$300,000 each ($20,000 annually)	N	-	Reduce loads of gross pollutants and sediments to receiving environment	-
High	Q2, Q3, RU1 Commence ongoing programs to promote incorporation of street scale infiltration and biofiltration into Council works	Low initial investment	N	-	Reduced loads of sediment and nutrients to the receiving environments	Aligns with the promotion of small scale projects promoting beneficial reuse of water. Reduced volumes of flows, improved amenity associated with urban greening and offset of the urban heat island effects.
High	AM1, AM2 Asset management – review of existing plans and plans for new assets	$40,000	N	-	Will help to ensure existing/proposed WSUD measures function as intended	Reduced costs associated with proactive (as opposed to reactive asset management). Ability to better plan for asset management.
High (2050)	Bower Road Causeway upgrade and Consideration of Pumps	N/A	Work to be undertaken by DIT	Required to lower lake levels as sea level rises	None	None

Priority	Project/Activity title	Budget estimate	SMA funding eligible	Flood mitigation benefit	Water quality benefit	Other benefits
Medium	F4 Crittenden Road to Grange Lakes pipe upgrades	$24,172,000	Y	Eliminates above floor flooding of private property in the 20% AEP event along the alignment of the upgrade (previously 8 properties subject to above floor flooding)	Minimal	Opportunity to incorporate WSUD with inlets
Medium	F5 Matheson Reserve underground tank	$18,960,000 ($2,000 annually)	Y	Eliminates above floor flooding of private property in the 20% AEP event in a known flooding hotspot (previously 4 properties subject to above floor flooding)	Could consider infiltration during detailed design	Limited disturbance of open space Opportunities for localised infiltration/reuse Can be staged
Medium	F6 Recreation Parade detention basin	$3,765,000 ($2,200 annually)	Y	Eliminates above floor flooding of private property in the 20% AEP event in a known flooding hotspot (previously 2 properties subject to above floor flooding) Significant reduction (~200 mm) in flood depths within the road corridor in the 20% AEP event	Consider plant selection to provide water quality improvement	Possibility for landscaping for improved amenity and biodiversity
Medium	F7 Sansom Road pipe upgrades	$6,640,000	Y	Eliminates above floor flooding of private property in the 20% AEP event along the alignment of the upgrade (previously 4 properties subject to above floor flooding)	Minimal	Opportunity to incorporate WSUD with inlets
Medium	F8 Golfers Avenue pipe and pump upgrades	$3,197,000	Y	$648,000 (in combination with Priority F3 and F9) Improvements to flooding in roadways (particularly Frederick Road and Lily Avenue) in the 20% AEP event	Minimal	Opportunity to incorporate WSUD with inlets
Medium	Q5 Grange Lakes Channel Upgrades	$500,000 ($5,000 annually)	N	Minimal	Reduced loads of sediments and nutrients discharged to receiving waters	Improved biodiversity and visual amenity
Medium	Q9 WSUD in the backyard	$20,000 allowance each year	N	-	Reduced loads of sediments and nutrients discharged to receiving waters	Promotes beneficial reuse of water. Community education opportunities.
Medium	Additional connections to existing MAR schemes to increase water reuse	Variable	N	-	Reduced loads of sediments and nutrients discharged to receiving waters	Reduced volumes of water discharged to the receiving waters. May be financial gains from offsetting potable water with fit-for-purpose. Promote urban greening and offset head island effect.
Low	F9 Frank Mitchell Reserve underground tank	$15,049,000 ($2,000 annually)	Y	$648,000 (in combination with Priority F3 and F8) Significant reductions (~300 mm) in flood depth within the road corridor in the 20% AEP event	Low	Limited disturbance of open space
Low	F10 Market Corner pipe upgrades	$392,000	N	$111,000 (in combination with Priority F7) Minor reductions in flood depth within the road corridor	-	-
Low	Q4 Oval Corridor Reserve WSUD upgrades	Variable	N	-	-	Improved amenity and biodiversity. Opportunity to incorporate WSUD for small-scale beneficial reuse.