Upper Molonglo priority sites

Catchment area

Stormwater drainage

Telecommunication

Existing stormwater pit

10 m contours

Major road

Sewer

Water

Services

Filter area

Total area/batter

Stormwater diversion

Habitat nest box

New pit

Seating

GPT

Path



A bioretention system with an approximate area of 460 m² is proposed within the Kenneth PI roundabout. It receives stormwater from a catchment with an approximate area of 38.3 ha. The bioretention system is sized to avoid impacting on the existing stormwater pipes to the east of the site. This site is not highly visible and is also not well utilised. The site possibly sits within an overland flow path for high flows from the stormwater drainage upstream. The site also contains a regional cycle path.

Construction of the bioretention system is expected to improve ecosystem value through increased diversity in habitat. It will also add diversity to the recreational use of the space (e.g. seating, bird watching, nature appreciation). A re-alignment of the walking path is required to incorporate the bioretention system.

Key Figures	
Catchment area (ha)	38.3
Impervious area of the catchment (ha)	23.0
Treatment area (sq.m)	460
Treatment area as % of total catchment area	0.1%
Total asset area inc. batters (sq.m)	1,100
Cost estimate of both the northern and southern sites	\$1,509,000

Option 5 Upper Molonglo Catchment Reserve north of Margaret Donoghoe Park - Southern site (UM004)







(ha)	70.3
of the catchment (ha)	42.2
ce area (sq.m)	1,070
as % of catchment	0.2%
rea (sq.m)	1,732
both the northern and southern sites	\$1,509,000

Option 15 Upper Molonglo Catchment Riverside reserve (UM015)

Wetland (catchment area 145.8 ha)







res	
nt area (ha)	145.8
ous area of the catchment (ha)	87.5
nt surface area (sq.m)	3,570
nt area as % of catchment	0.2%
d take area (sq.m)	6110
st estimate	\$1,868,000