Carmila Creek Management Area

MANAGEMENT PRACTICE CHANGE ADOPTION 2007 - 2013

Land Use	Management Practices	Key Pollutant	2007 % Adoption	2014 % Adoption Target	2014 % Adoption Achieved	Effort realised	% of target	Draft 2021 % Adoption Target	Cost $ '000s
Cane & Horticulture	Soil	PN PP	D C B	D C B A	D C B A	H	141	*New management practice adoption targets and implementation costs will be determined in consultation with the community and stakeholders during the Water Quality Improvement Plan update process continuing throughout 2014*	
	Nutrient	DIN FRP	D C	D C B A	D C B A	H	68		
	Pesticide		D C	D C B A	D C B	H	55		
Grazing	Soil	PN PP	D C B	D C B A	D C B	M	69		
Existing Urban Management	Nutrient	DIN FRP	NOT APPLICABLE						
New Urban Development	Soil	PN PP	NOT APPLICABLE						

D Dated practice C Common practice B Best practice Cutting-edge practice

EVENT WATER QUALITY LOAD REDUCTION 2007 - 2013

Key Pollutant	Event Freshwater Quality Values: Objective 2050	Condition 2007	Target 2014	Achieved 2014	Draft Target 2021	Draft Cane Priority: Soil	Nutrient	Pesticide	Draft Grazing Priority: Soil	Riparian	Nutrient	Pesticide	Cost $ '000s
DissolvedInorganic Nitrogen µg/L	300	631	465	518	465	L H	L H	L H			L H		150
Filterable Reactive Phosphorus µg/L	CC	37	27	30	27	L H	L H				L H		
Particulate Nitrogen µg/L	CC	256	CC	243	CC	L H	L H		L H	L H	L H		80
Particulate Phosphorus µg/L	CC	53	CC	50	CC	L H	L H		L H	L H	L H		
Total Suspended Sediment mg/L	CC	39	CC	37	CC	L H			L H	L H			
Ametryn µg/L	CC	<LOD	CC	CC	CC	L H		L H					105
Atrazine µg/L	0.04	0.06	0.04	0.05	0.04	L H		L H					
Diuron µg/L	0.46	0.61	0.46	0.53	0.46	L H		L H					
Hexazinone µg/L	0.23	0.31	0.23	0.27	0.23	L H		L H					
Tebuthiuron µg/L	CC	<LOD	CC	CC	CC							L H	#

CC = Current condition; LOD = Limit of Detection which is currently 0.01 µg/L for all herbicides

Tebuthiuron is not a priority due to consistently low levels of detection across the region

ECOSYSTEM HEALTH IMPROVEMENTS 2007 - 2013

Value rated	System rating (A=excellent, E=poor): Objective 2050	Condition 2007	Target 2014	Achieved 2014	Draft Target 2021	System repair actions	Draft Priority	Cost $ '000s
Flow	A	C	B	C	B	Implementation of voluntary irrigation restrictions to maintain waterhole during low flow	L H	
Barriers to Migration	A	B	A	B	A	Removal of barriers to migration a priority	L H	
Instream Habitat	A	D	C	D	C	Restoration and stabilisation of priority reaches	L H	
Riparian Vegetation	A	B	A	B	A	Active restoration and connectivity of priority reaches. Grazing management on riparian land	L H	
Estuary Modification	A	B	A	B	A	Active restoration and management to encourage recovery, natural habitat and channel stabilisation	L H	
Mangroves & Saltmarsh	C	E	D	E	D	Active restoration and management to encourage recovery is a priority	L H	

Costs to implement system repair actions for ecosystem health improvements will be determined after management practice adoption targets have been set.