Murray 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	C B A	D C B A	H	83	*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 B	C B A	D C B A	M	69		
	Pesticide		D C B	C B A	D C B A	M	65		
Grazing	Soil	PN PP	D C B	C B A	D C B	L	29		
Existing Urban Management	Nutrient	DIN FRP	NOT APPLICABLE						
New Urban Development	Soil	PN PP	NOT APPLICABLE						

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

EVENT WATER QUALITY LOAD REDUCTION 2007 - 2013

Key Pollutant	Event Freshwater Quality Values					Draft Cane & Horticulture Priority			Draft Grazing Priority				Cost $ '000s
	Objective 2050	Condition 2007	Target 2014	Achieved 2014	Draft Target 2021	Soil	Nutrient	Pesticide	Soil	Riparian	Nutrient	Pesticide	
DIN Dissolved Inorganic Nitrogen µg/L	300	688	481	558	481	L–H	L–H				L–H		754
FRP Filterable Reactive Phosphorus µg/L	30	54	38	44	38	L–H	L–H				L–H		
PN Particulate Nitrogen µg/L	CC	206	CC	201	CC	L–H	L–H		L–H	L–H	L–H		504
PP Particulate Phosphorus µg/L	CC	48	CC	47	CC	L–H	L–H		L–H	L–H			
Total Suspended Sediment mg/L	CC	67	CC	65	CC	L–H			L–H	L–H			
Ametryn µg/L	0.05	0.07	0.05	0.06	0.05	L–H		L–H					316
Atrazine µg/L	0.25	0.34	0.25	0.28	0.25	L–H		L–H					
Diuron µg/L	0.75	1.12	0.75	0.86	0.75	L–H		L–H					
Hexazinone µg/L	0.30	0.40	0.30	0.33	0.30	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	Development and implementation of flow restoration and management strategies and actions	L–H	Costs to implement system repair actions for ecosystem health improvements will be determined after management practice adoption targets have been set.
Barriers to Migration	A	C	B	B	A	Removal of barriers to migration	L–H	
Instream Habitat	A	C	B	C	B	Restoration and stabilisation of priority reaches	L–H	
Riparian Vegetation	B	D	C	D	C	Active restoration and connectivity of priority reaches	L–H	
Estuary Modification	A	B	A	B	A	Implementation of management and rehabilitation strategies	L–H	
Mangroves & Saltmarsh	A	A	A	A	A	Resourcing and implementation of management and rehabilitation strategies	L–H	