

Blackrock 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
			D	C	B	C	B	A	D	C	B				
Cane & Horticulture	Soil		D	C	B	C	B	A	D	C	B	A	H	92	<i>New management practice</i>
	Nutrient		D	C	B	C	B	A	D	C	B	A	H	62	<i>adoption targets and</i>
	Pesticide		D	C	B	C	B	A	D	C	B	A	M	69	<i>implementation costs will be determined in consultation with</i>
Grazing	Soil		D	C	B	C	B	A	D	C	B	A	H	80	<i>the community and stakeholders</i>
Existing Urban Management	Nutrient		NOT APPLICABLE												<i>during the Water Quality Improvement Plan update process</i>
New Urban Development	Soil		NOT APPLICABLE												<i>continuing throughout 2014</i>

■ Dated practice ■ Common practice ■ 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	
Dissolved Inorganic Nitrogen µg/L	300	469	313	372	313								504
Filterable Reactive Phosphorus	30	135	90	107	90								
µg/L Particulate Nitrogen µg/L	CC	263	CC	228	CC								184
Particulate Phosphorus µg/L	70	93	82	80	82								
Total Suspended Sediment mg/L	CC	33	CC	29	CC								206
Ametryn µg/L	0.06	0.07	0.06	0.06	0.06								
Atrazine µg/L	0.55	0.73	0.55	0.12	0.55								
Diuron µg/L	0.91	2.44	0.91	1.38	0.91								
Hexazinone µg/L	0.37	0.49	0.37	0.41	0.37								
Tebuthiuron µg/L	CC	<LOD	CC	CC	CC								#

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)					System repair actions	Draft Priority	Cost \$ '000s
	Objective 2050	Condition 2007	Target 2014	Achieved 2014	Draft Target 2021			
	A	B	A	B	A	Implementation of voluntary irrigation restrictions to maintain waterhole during low flow		Costs to implement system repair actions for ecosystem health improvements will be determined after management practice adoption targets have been set.
	A	C	B	C	B	Removal of barriers		
	A	C	B	C	B	Restoration and stabilisation of priority reaches		
	A	A	A	A	A	Active restoration and connectivity of priority reaches. Grazing management on riparian land		
	A	B	A	B	A	Active restoration and management to encourage recovery, natural habitat and channel stabilisation		
	A	C	B	C	B	Management to improve resilience and condition		