

# Rocky Dam 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	111	<i>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</i>
	Nutrient		D	C	B	C	B	A	D	C	B	A	M	63	
	Pesticide		D	C	B	C	B	A	D	C	B	A	M	71	
Grazing	Soil		D	C	B	C	B	A	D	C	B	A	L	33	
Existing Urban Management	Nutrient		D	C	B	C	B	A					tbc	tbc	
New Urban Development	Soil		D	C	B	C	B	A					tbc	tbc	

■ 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	613	422	493	422								891
Filterable Reactive Phosphorus µg/L	30	48	33	39	33								
Particulate Nitrogen µg/L	340	346	295	318	295								1427
Particulate Phosphorus µg/L	70	84	72	78	72								
Total Suspended Sediment mg/L	CC	120	CC	112	CC								349
Ametryn µg/L	0.04	0.06	0.04	0.05	0.04								
Atrazine µg/L	0.27	0.37	0.27	0.30	0.27								
Diuron µg/L	0.75	1.56	0.75	0.98	0.75								
Hexazinone µg/L	0.55	0.74	0.55	0.61	0.55								
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	C	B	C	B	Develop and implement management action for improved flow regimes		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 to migration		
	A	C	B	C	B	Restoration and stabilisation of priority reaches		
	A	B	A	B	A	Active management and protection of riparian zones. Grazing management on riparian land and adjacent to wetlands		
	A	B	A	B	A	Develop and implement management strategies to improve and protect estuary condition		
	A	C	B	C	B	Develop and implement management strategies to improve and protect mangroves and saltmarsh		