

# Sandy 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	99	<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	74	
	Pesticide		D	C	B	C	B	A	D	C	B	A	H	91	
Grazing	Soil		D	C	B	C	B	A	D	C	B	A	L	20	
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	539	353	401	353								1282
Filterable Reactive Phosphorus µg/L	30	210	137	156	137								
Particulate Nitrogen µg/L	340	421	265	362	265								2189
Particulate Phosphorus µg/L	70	160	101	138	101								
Total Suspended Sediment mg/L	CC	71	CC	61	CC								222
Ametryn µg/L	0.02	0.02	0.02	0.02	0.02								
Atrazine µg/L	0.40	0.54	0.40	0.41	0.40								
Diuron µg/L	0.75	1.95	0.75	0.86	0.75								
Hexazinone µg/L	0.41	0.55	0.41	0.42	0.41								
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			
	B	D	C	D	C	Development and implementation of flow restoration and management strategies and actions		Costs to implement system repair actions for ecosystem health improvements will be determined after management practice adoption targets have been set.
	B	D	C	D	C	Removal of barriers to migration		
	B	D	C	D	C	Restoration and stabilisation of priority reaches		
	C	E	D	E	D	Active restoration and connectivity of priority reaches		
	A	B	A	B	A	Implementation of management and rehabilitation strategies to improve estuary condition		
	C	E	D	E	D	Resourcing and implementation of management and rehabilitation strategies to improve mangroves and saltmarsh		