Plane 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	SED PN PP	D C B	D 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	D C B A	D C B A	M	69		
	Pesticide	PEST	D C B	D C B A	D C B A	M	65		
Grazing	Soil	SED PN PP	D C B	D C B A	D C B A	L	29		
Existing Urban Management	Nutrient	DIN FRP	D C B	C B A		tbc	tbc		
New Urban Development	Soil	SED PN PP	D C B	C B A		tbc	tbc		

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	514	368	419	368	L H	L H				L H		228
FRP Filterable Reactive Phosphorus µg/L	30	78	59	66	59	L H	L H				L H		
PN Particulate Nitrogen µg/L	CC	178	CC	15	CC	L H	L H		L H	L H	L H		0
PP Particulate Phosphorus µg/L	CC	61	CC	54	CC	L H	L H		L H	L H			
SED Total Suspended Sediment mg/L	CC	200	CC	188	CC	L H			L H	L H			
PEST Ametryn µg/L	CC	<LOD	CC	CC	CC	L H		L H					91
PEST Atrazine µg/L	0.17	0.23	0.17	0.19	0.17	L H		L H					
PEST Diuron µg/L	0.51	0.68	0.51	0.56	0.51	L H		L H					
PEST Hexazinone µg/L	0.14	0.19	0.14	0.15	0.41	L H		L H					
PEST 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	C	E	D	E	D	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	C	E	D	E	D	Removal of barriers to migration	L H	
Instream Habitat	C	E	D	E	D	Restoration and stabilisation of priority reaches	L H	
Riparian Vegetation	C	E	D	E	D	Active restoration and connectivity of priority reaches	L H	
Estuary Modification	A	C	B	C	B	Implementation of management and rehabilitation strategies	L H	
Mangroves & Saltmarsh	B	D	C	D	C	Resourcing and implementation of management and rehabilitation strategies	L H	