

Mackay City 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	PN PP	D	C	B	C	B	A	D	C	B	A	H	83	<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	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	A	L	29	<i>during the Water Quality Improvement Plan update process continuing throughout 2014</i>
Existing Urban Management	Nutrient	DIN FRP	D	C	B	C	B	A					?	?	
New Urban Development	Soil	PN PP	D	C	B	C	B	A					?	?	

■ 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	643	420	511	420								621
Filterable Reactive Phosphorus µg/L	30	577	377	377	327								
Particulate Nitrogen µg/L	CC	198	CC	183	CC								13
Particulate Phosphorus µg/L	CC	51	CC	47	CC								
Total Suspended Sediment mg/L	CC	39	CC	36	CC								258
Ametryn µg/L	0.08	0.10	0.08	0.09	0.08								
Atrazine µg/L	0.75	1.01	0.75	0.84	0.75								
Diuron µg/L	1.00	3.34	1.25	1.96	1.25								
Hexazinone µg/L	CC	0.51	0.68	0.57	0.51								
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			
Flow	C	E	D	E	D	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.
Barriers to Migration	A	C	B	B	A	Removal of barriers to migration		
Instream Habitat	B	D	C	D	C	Restoration and stabilisation of priority reaches		
Riparian Vegetation	B	D	C	D	C	Active restoration and connectivity of priority reaches		
Estuary Modification	C	E	D	D	C	Resourcing and implementation of management and rehabilitation strategies		
Mangroves & Saltmarsh	C	E	D	D	C	Resourcing and implementation of management and rehabilitation strategies		