# Bakers 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 | PN, PP | D C B | C B A | B A | H | 110 | *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 | C B A | D C B A | M | 51 | | |
| | Pesticide | | D C | C B A | B A | H | 116 | | |
| Grazing | Soil | PN, PP | D C B | C B A | D C B | L | 13 | | |
| Existing Urban Management | Nutrient | DIN, FRP | D C B | C B A | | tbc | tbc | | |
| New Urban Development | Soil | 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 | 710 | 460 | 583 | 460 | | | | | | | | 918 |
| FRP Filterable Reactive Phosphorus µg/L | 30 | 252 | 163 | 207 | 163 | | | | | | | | |
| PN Particulate Nitrogen µg/L | 340 | 342 | CC | 272 | CC | | | | | | | | 561 |
| PP Particulate Phosphorus µg/L | 70 | 156 | 98 | 124 | 98 | | | | | | | | |
| Total Suspended Sediment mg/L | CC | 57 | CC | 45 | CC | | | | | | | | |
| Ametryn µg/L | 0.08 | 0.11 | 0.08 | 0.07 | 0.08 | | | | | | | | 0 |
| Atrazine µg/L | 0.83 | 1.11 | 0.83 | 0.79 | 0.83 | | | | | | | | |
| Diuron µg/L | 1.00 | 3.69 | 1.38 | 1.01 | 1.38 | | | | | | | | |
| Hexazinone µg/L | 0.56 | 0.75 | 0.56 | 0.53 | 0.56 | | | | | | | | |
| 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) 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 | | Costs to implement system repair actions for ecosystem health improvements will be determined after management practice adoption targets have been set. |
| Barriers to Migration | B | D | C | D | C | Removal of barriers to migration | | |
| Instream Habitat | B | D | C | D | C | Restoration and stabilisation of priority reaches | | |
| Riparian Vegetation | C | E | D | E | D | Active restoration and connectivity of priority reaches | | |
| Estuary Modification | A | C | B | C | B | Implementation of management and rehabilitation strategies | | |
| Mangroves & Saltmarsh | C | E | D | E | D | Resourcing and implementation of management and rehabilitation strategies | | |