

Burnett Mary Regional Group

Stormwater – Taking the journey in the Burnett Mary

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CARING
FOR
OUR
COUNTRY



Queensland
Government



Burnett Mary
REGIONAL GROUP

Practical Solutions for Natural Resource Management

Background

- BMRG prepared its NRM Plan – *Country to Coast: a healthy, sustainable future* in 2004-5
- During the preparation of the NRM Plan BMRG implemented a Priority Action Plan (PAPs) to provide 5 rising stage samplers to Bundaberg CC to monitor stormwater quality
- Under the NRM Plan proposed two Resource Condition Targets that aligned with stormwater management



Country to Coast 2005-8 Coastal & Marine

- CMD1.3 specifically addressed stormwater management by providing planning support to LGA's to:
 - Review LGA Urban Stormwater Management Plans;
 - Develop guidelines in BMP stormwater management for coastal habitats & ecosystems
 - Provide BMP advice & implementation support to LGAs to incorporate stormwater harvesting
 - Develop & initiate community based stormwater awareness program with annual surveys to assess.



Country to Coast 2005-8 Water Quality

- WR1.1 addressed water quality management through the establishment of targets, environmental values (EV), water quality objectives (WQO) and Water Quality Improvement Plans (WQIPs) for all major catchments:
 - Burnett, Baffle, Kolan & Elliott
 - Mary
 - Burrum
- For more information please check out:
<http://www.bmrg.org.au/information.php/2/79>



Where did 2005-8 get us?

- Two major projects implemented in conjunction with LGAs
 - Stormwater Smart (capacity building, planning templates and BMP information)
 - Marywise Urban Stormwater (stormwater monitoring, spatial analysis of results against Environmental Values to prioritize remediation across the Mary basin)
- Stormwater awareness campaign resulting in action heroes Duey the Dugong and Drain Man along with website, games and other resources www.stormwater.org.au



stormwater.org.au

HOME INFO FILMS MAPS GAME TEACH



Stormwater runs off the land, carrying pollution from streets and fields into our rivers and out to sea.

Drain Man says 'Don't give your waste a free ride!'



stormwater.org.au is supported by the Burnett Mary Regional Group and NQ Dry Tropics, through funding from the Australian Government's Caring for our Country.

Design and production by **Imaginocean**
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Update | Webmail



Since then what?

- The stormwater awareness campaign was very successful – now active in two regions NQ Dry Tropics and Burnett Mary
- The campaign & community awareness were also evaluated through a survey undertaken by UQ “Stormwater Awareness in the Burnett Mary region” ([report available](#))
- Decision reached to continue WSUD support to local government through the establishment of a Regional Council Stormwater Management Panel



Regional Council Stormwater Panel 2008-9

- Three meetings held in first year with representatives from Sunshine Coast, Gympie, Fraser Coast, North and South Burnett with additional feedback through Gladstone Regional Council
- Three training workshops in association with Water By Design – Intro. to WSUD and Conceptual Design, Bioretention Design and Stormwater Wetland Design
- Commissioned Design Flow to develop sub-regional LGA specific climate curves to use with MUSIC that comply with the Draft SPP Healthy Waters



Regional Council Stormwater Panel 2009-10

- More training, with “on the job” opportunity for a live exercise in Bundaberg later this year for the “Construction and Establishment of Vegetated Stormwater Systems”
- Two day bus tour planned to Sunshine Coast, Brisbane and the Gold Coast to check out the best (and worse) examples of WSUD
- Regional Stormwater Panel Meetings including a workshop on the Draft SPP Healthy Waters on 12 November
- Finalisation and adoption of climate curves



What's still missing?

- More localized examples of WSUD and stormwater management in action – making it work, achieving the win: win for water quality improvement and developers
- Funding mechanisms (grants, subsidies) to assist Local Government to address stormwater hot spots – particularly where they impede on EV's
- Sediment & Erosion Control . . . major issue!



Sediment & Erosion Control are vitally important! A development ...before the storm



Fresh top soil

...and after

Topsoil washed
away ~ 25mm over
10 Ha



**Where did it go? Stream flowing through a construction site in a
FREQUENT (3 month ARI) event...**



NB flow volume

turbidity 3180 NTU...TSS 2040 mg/L

Preparing for Climate Change

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Thank you all

