



Special Edition 2012

Coorong Tatiara

Local Action Plan Newsletter

Sustainability, Agriculture & the Environment



WATER SECURITY FORUM WEDNESDAY THE 29TH OF FEBRUARY - TINTINARA

A **free** Water Security Forum will be held on Wednesday the 29th of February 2012 at the Tintinara Hall, Becker Terrace - Tintinara.

The increasing cost of mains water is having a significant cost impact on primary production. The Water Security Forum will provide information & water saving technology expertise at a full day event focusing on practical farm based solutions for saving and sourcing water. Presentations will be given by water industry experts, & landholders providing case studies. Trade exhibitors will also be in attendance to discuss their products & advances in water technology with you.

Topics will include;

- Desalination, and effluent disposal.
- Alternative energy generation.
- Leak detection & leak finding equipment. (It is estimated 20% of purchased water is lost through on farm leaks).
- Effective shandyng of mains and bore water.
- Rainwater harvesting techniques.
- Matching animal nutrition to water quality to ensure your livestock thrive, not just survive!
- Aquifer Storage and Recovery.
- Piping water between properties and from lakes and Rivers.
- As well as case studies of innovative water management.

The day will run from 9am – 5pm, with registration available from 8.30am. A post forum trade display, BBQ and drinks will be provided. Catering on the day will be provided by the Tintinara Action Club.

To register for this unique event online please visit:

<http://www.coorong.sa.gov.au/lapregistration>



Registration is essential for catering purposes. Further information about the forum can be obtained from Graham Gates on: 0427 572 330.

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Has your postal address changed due to the new rural property addressing system?

If so please let us know on 8572 3611 so that we can update our mailing list.



Thankyou



WATER SECURITY FORUM SPEAKER AND TOPIC LIST

Wednesday 29th February - Tintinara Town Hall



TOPIC	SPEAKERS
Desalination including unit size, costs per kilolitre, power requirements & how they work. Effluent disposal and other considerations. How is the technology advancing?	Tony Sluizas (EPA) – Will provide an overview of desalination units he has seen around the state. The challenges with desalination. Conditions of approval. The advances in desalination technology with a technical specialist .
Alternative Power Supplies – wind and solar pumps and power generation.	Paul Harris - Lecturer, Agricultural Engineering, School of Agriculture, Food and Wine, University of Adelaide
Matching Animal Nutrition to Water Quality – Knowing the difference between water that your livestock will survive and thrive upon. Shandyng water for livestock consumption.	San Jolly – Principal Consultant, Productive Nutrition.
Effective Shandyng & Salinity Monitoring of mains and bore water. How to mix, and the risks. Salinity units, salinity meters & cut off switches.	The advances in shandyng technology with a technical specialist . Mark Scobie – landholder case study.
Rainwater Harvesting in the Cleve Hills – An example of on-farm innovation.	Mark and Andrea Hannemann (Cleve Hills).
Leak Finding Equipment. Leak Detection Equipment.	Laurie MacGing (SA Water) – the overview. Frank Burden (Camden Park) – the case study.
Piping water from the River, Lakes or between properties.	Bob McCabe (Tintinara) – landholder case study. Derek Henderson (Coorong District Council) – approvals that are required.
Aquifer Storage and Recovery & using off peak water.	Colin Pitmann (City of Salisbury Council)
Where to from here?	Graham Gates (Coorong Tatiara Local Action Plan).

Water Industry Trade Displays will be active during:

- Morning and Afternoon Tea
- Lunchtime
- Post Forum BBQ and Drinks

This will provide ample time to follow up with forum speakers, industry experts, and discuss ideas with fellow participants.

Pest Management Demonstration Day

The South East Natural Resources Management Board is holding a demonstration day. Come and see the latest developments and effective management of high priority pests in the Coorong and Tatiara region.

When: 23rd February 2012.

“Attend one or all”

8:00am African Lovegrass herbicide trials at Coombe Rd, (2kms North of railway crossing off the Dukes Highway)

10:00am Rabbit Control Demonstration at 'Dengana' 11518 Dukes Highway. Coombe.
(Lunch will be provided at this location).

1:30pm Silverleaf Nightshade Best practice herbicide control trials at Stopp's property, Martins Camp Rd, Keith.

To register your interest or for further information contact Nicole McGuiness on M: **0428 882 521**.



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WATER SECURITY FORUM - SPEAKER PROFILES



Mark & Andrea Hannemann - Cleve Hills, Eyre Peninsula.

Commodities: wheat, barley, canola, peas, vetch & fat lambs.

Farming area: 1700 hectares. **Annual rainfall:** 400 –425mm.

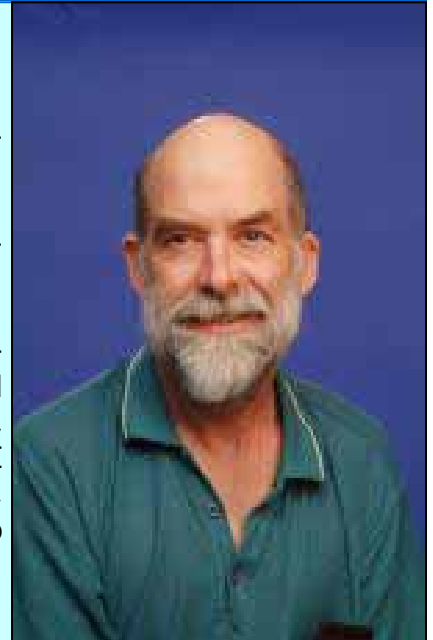
Historically we relied on 40 dams on the property as we have no mains water connection. During the drought we were carting water from the local standpipe in Cleve (30km round trip). We have now developed a water harvesting scheme which will hopefully satisfy our farm water needs. We selected a site which is the highest point on our farm & had some major earthworks done to prepare the 80 x 40m catchment area. The catchment area gravitates to a 3m deep holding dam with is 30 x 30m. Both catchment and dam are lined with 1mm high density polyethylene plastic. The dam is covered with an evaporative cover, which minimizes evaporation by 100%. The dam is 98% efficient at catching water. For every mm of rain, we collect 1L of water/m². Even with heavy dew, we collect water. On our average 400mm rainfall/year, we should collect 1.6 million litres of water, which is enough to run our property for a year.

Paul Harris - Lecturer, Agricultural Engineering, School of Agriculture, Food and Wine, University of Adelaide.

Paul's expertise is in the areas of agriculture; agricultural machinery; irrigation; anaerobic digestion and biogas.

Harris' Law - "The harder you push any system the more unstable it becomes, and the more management it requires!"

A related observation is that "we" (Western Society?) have a remarkable tendency to make things as complicated as possible and to solve problems by adding extra pieces to fix the symptoms, rather than looking for the cause of the problem and fixing that. I think this is at least in part because of our reductionist approach, which leads to "tunnel vision" rather than a "holistic" approach to a challenge.



San Jolly - Productive Nutrition Pty Ltd

San Jolly, applied ruminant nutrition consultant.

San is passionate about improving production sustainably and using best practice methods that are practical, achievable and that are cost efficient.

With many years experience gained from working with producers and other industry experts, managing her own property & stud flock together with her continuing interests in research, San has become sought after as a consultant & presenter. She has had local experience working with the Saltland Productive Pastures Group around Keith & Mount Charles, and with the SARDI/CTLAP Fodder Shrubs project based at Coomandook. Her work with these projects in fine tuning livestock nutrition in line with our unique local conditions has proved invaluable.





Coorong Tatiara Local Action Plan - Summary of 2012 On Ground Works Incentives

If you are a landholder, community group or school in the Coorong or Tatiara District Council areas you are eligible to apply for on ground works incentives with the Coorong Tatiara Local Action Plan. This funding is made available through the Commonwealth Caring for our Country Program, SA Murray Darling Basin NRM Board, & the vital support of the Coorong District & Tatiara District Councils. **The principal aim of these incentives is to minimise wind erosion and enhance biodiversity.**

An Expression of Interest Form and a detailed outline of the funding conditions* are available at www.coorong.sa.gov.au/goto/lap or by contacting a member of the Coorong Tatiara Local Action Plan Team on 85 723611.

On Ground Works Expressions of Interest are due in no later than the 31st of January 2012.

On Ground Works Incentive	Funding Rate per ha / km	Basic Funding Conditions *
Dryland Lucerne	\$15 / ha	Maximum of 100ha per property.
Perennial Pasture	\$15 / ha	Maximum of 100ha per property. Varieties as approved by CTLAP.
Salt Tolerant & Post Drainage Pastures	\$25 / ha	Maximum of 100ha funded. Varieties as approved by CTLAP.
Native Windbreaks	\$400 / ha & \$1500 / km	Minimum width of 10 metres and 3 rows. Stock proof fence. Ongoing weed & pest control.
Native Vegetation Block	\$450 / ha & \$1750 / km	Stock proof fence. Ongoing weed & pest control.
Fencing Remnant Vegetation	\$2000 / km	Stock proof fence. Ongoing weed & pest control.
Fencing Wetlands	\$2000 / km	Stock proof fence. Ongoing weed & pest control.
Farm Forestry	\$250 / ha & \$450 / km	Species as approved by CTLAP. Stock proof fence.
Fodder Shrubs	\$90 / ha & \$450 / km	Species as approved by CTLAP. Stock proof fence.
Stabilising Sand-Drift	Up to \$100 / ha	Long term stabilisation.
Earthworks & Levelling of Blowouts	Up to 30% of final costs	Long term stabilisation.
Clay Spreading	\$40 / ha	Maximum of 40 ha funded. Minimum clay spreading rate of 80 tonnes / ha.
Land Class Fencing (to separate types of land that require different management techniques to minimise the risk of wind erosion)	\$450 / km	Fencing of a significant landscape or soil type change. Stock proof fence.

Coorong and Tatiara Local Action Plan Contact Details:

<p>LAP Project Officer Graham Gates M: 0427 572 330 E: ggates@coorong.sa.gov.au</p> <p>Lakes Revegetation Officer Ken Strother M: 0419 049208 E: ken.strother@bigpond.com</p>	<p>LAP Implementation Officers Samantha Blight M: 0447 900 001 E: sblight@coorong.sa.gov.au</p> <p>Tracey Strugnell M: 0427 750 050 E: tstrugnell@coorong.sa.gov.au</p>	<p>Tintinara Office 37 Becker Terrace Postal Address PO Box 399 TAILEM BEND SA 5260 P: 0887 572 100 F: 0887 572 222 WEB: www.coorong.sa.gov.au/gotolap</p>
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The Water Security Forum is
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