

The Lakes Hub is an initiative of the Milang and District Community Association Inc. and is part of the South Australian Government's *Murray Futures* program, funded by the Australian Government's *Water for the Future* initiative.

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A Big Weekend!

I hope you all had a Wonderful long weekend! We certainly had a great time at the Milang Community Centre 10th Birthday Celebrations on Saturday, with poetry, walking tours, scones, native food, Turtle Shed, Murray the Turtle and more! A big thankyou to all the people who make the Milang Community Centre a wonderful place!



Yesterday was a busy day at the Strathalbyn Show where the Lakes Hub shared a stall with the Goolwa to Wellington LAP and Rodwell Creek/Wistow Landcare Group which was a great success. We sold lots of plants from Clayton & Milang Nurseries and chatted with people about the Lakes & Coorong, the Community Revegetation Program, the Community Nursery Network, Fleurieu Swamps, Native Foods and many other topics! Including the DEWNR 'Ecosystem Benefits and Community Values' Online Survey. This survey has been put together by CSIRO and is designed to gauge what people understand and value about the Lakes & Coorong and services provided by these natural ecosystems, see page 3.

This week we say Goodbye to Gemma Cunningham from the DEWNR Community Engagement Team who has been working with the Lakes Hub since its beginnings.

Thankyou Gemma for all your hard work and enthusiasm and Best Wishes for the future! We will miss you!

Enjoy the sunshine! Amelia & The Lakes Hub Team

The weekly links...

[Community Stream Sampling - Stream sampling in the SA MDB](#)

Spring is a great time to collect water samples and undertake macro invertebrate monitoring. For info contact Greg Lundstrom 8536 5622 mob: 0429 697 319 greg.lundstrom@sa.gov.au The Summer-Autumn seasonal stream sampling summary is on the Board's website: www.naturalresources.sa.gov.au/samurraydarlingbasin/get-involved/volunteering/volunteer-opportunities-and-groups/community-monitoring-support



Gemma (left) helping out at Native Fish Awareness Day at Milang Turtle Shed 2011

World solar challenge left Darwin on Sunday and is due to finish in Adelaide on Thursday displaying cutting edge technology, with 38 entries, all now required to have 4 wheels becoming more like conventional vehicles

www.abc.net.au/news/2013-10-06/world-solar-car-challenge-takes-off-from-darwin/5001088

[Australian Agriculture most vulnerable to Climate Change impacts](#)

Professor Griggs said this is because small changes in temperature in Australia can produce big falls in productivity: www.econews.com.au/news-to-sustain-our-world/fscientist-farmers-wake-up-call-on-climate-change/ UN warns Climate Change Major risk to food Security: www.econews.com.au/news-to-sustain-our-world/un-warns-climate-change-major-risk-to-food-security/

[Australia's Favorite Bird](#)

Vote in Bird Life Australia's ballot (leading up to Bird Week 19-24 October) and go into the draw to win a weekend away for 2 on Gold Coast: www.birdlife.org.au/birdvote

Local Nature Spot

WHAT IS A TATTERL?

Feeding in shallow lagoons, these small grey birds symbolise what is so special about the Coorong.

Although not many people have seen or even heard of the Tattler, their story is remarkable.

Grey tailed Tattlers are born in the remote and wild Siberian mountains. Fed on a diet of mosquitos, the young Tattlers are prepared for a long journey south. The young birds leave Siberia in August and arrive in Australia during September, the beginning of our summer.

The tattlers are more common in the northern parts of Australia, however the keen birdwatcher may be lucky enough to observe them in the Coorong, feeding with the other wader birds along the mudflats. Tattlers don't hang around for long; in about March or April the birds return to Siberia to raise more young Tattlers.

Whilst in Australia, Grey-tailed Tattlers eat a variety of marine invertebrates, including worms, molluscs and crustaceans. In the lead-up to their migration back to Siberia breeding grounds, crabs may become a more important component of their diet. Crabs are caught in shallow water, with the Tattler sometimes immersing its head completely to grab it in its bill. Occasionally they are weeded out from burrows in the mud or sand, and are manipulated in the bill and thrown about to remove their legs and then washed before being eaten.

The Coorong is vital for the survival of waders like the Tattlers which rely on the rich and productive mudflats of Australian shores. The importance of the Coorong is acknowledged by the areas' inclusion on the list of Wetlands of International Importance.



Caption responses

Responses to the recent caption request:

- “Absolutely no egrets”
- “Come down here and I’ll spoon you”

Send your captions to info@lakeshub.com

The winning caption writer will win a prize!



More of the water spout story...



Re the waterspout of a couple of weeks ago. As I understand it, it was seen by people over a relatively wide area of our district. Although I have not seen any photographs or footage I am aware that several people were able to get some.

As to the location – It was nowhere near Langhorne Creek. Most sightings I have been informed of came from the Dog Lake.

Terry Sim—Milang

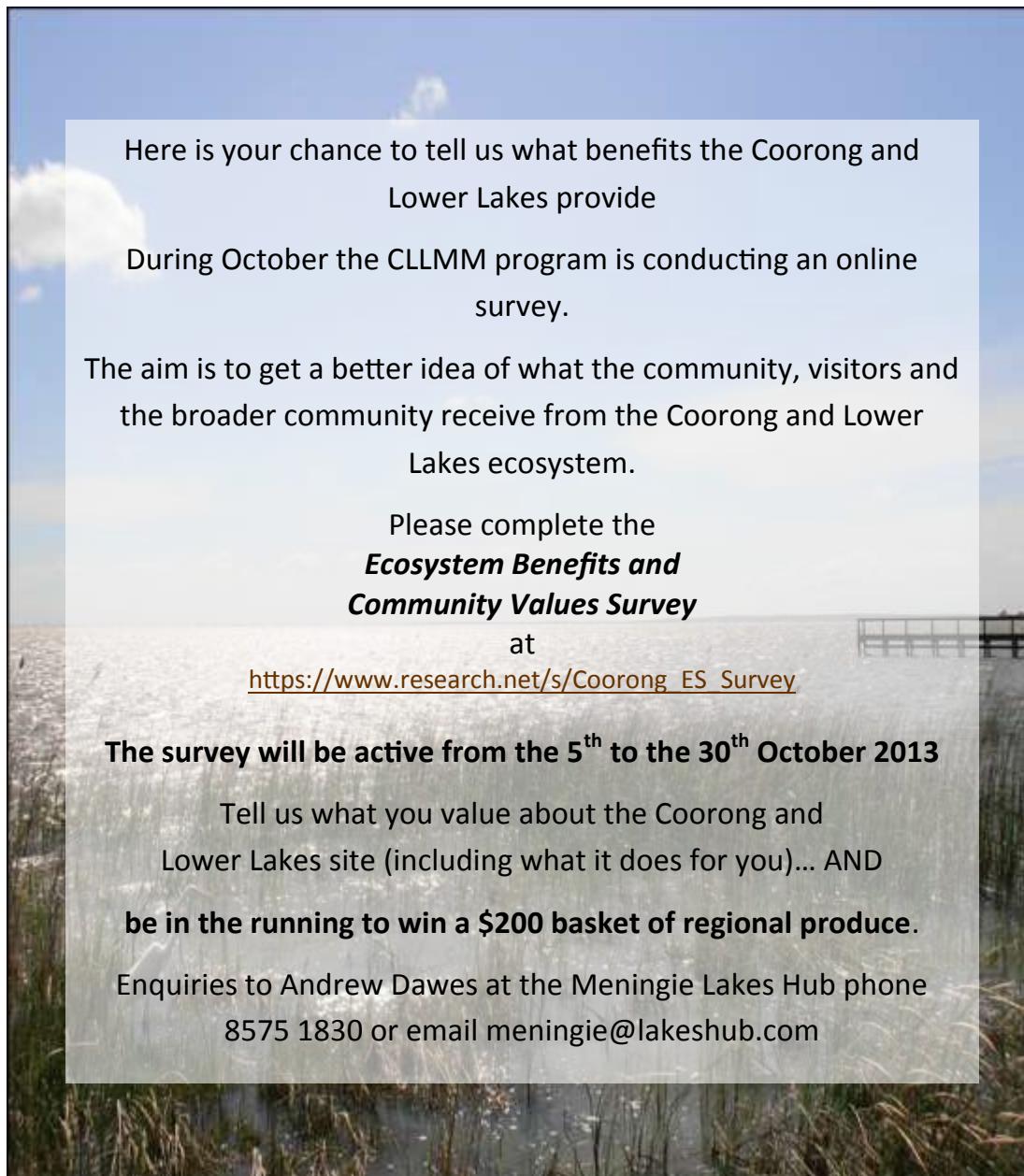
Coorong, Lower Lakes & Murray Mouth (CLLMM) Program Online Survey Ecosystem Benefits and Community Values

The *Ecosystem Benefits and Community Values Survey* has been put together by the CSIRO on behalf of the Department of Environment, Water and Natural Resources. The main purpose of the survey is to contribute the community's perspective to a description of the ecological character of the Coorong and Lake Alexandrina and Albert Ramsar Wetland. This ecological character description needs to identify those goods and services that the site provides to people and which the community value. Results will be fundamental in setting future management directions.

A secondary purpose of the survey is to get a better understanding of what the community knows about 'ecosystem services'. 'Ecosystem services' is standard terminology in terms of the management of wetlands listed under the Ramsar Convention, but it is less well known outside the scientific community. There are no right or wrong answers – all responses are useful, whether respondents understand the specific terms used or not!

Responses will be entirely confidential and people are encouraged to add other benefits that people receive from the Lakes & Coorong to the ones listed. It will take 15-20 minutes to do the survey and you can go into the draw to win a \$200 basket of regional produce!

Follow this link to undertake the survey: www.research.net/s/coorong_es_survey



Nurragi Conservation Reserve: Conserving our Natural and Cultural Heritage

The **Nurragi Conservation Reserve** is a former railway corridor that now has a vital function in the conservation of native plants and animals. It covers 65ha and comprises the former Sandergrove to Milang railway reserve.

With the support of the State Government, the area was dedicated as a Nature Reserve in June 1991. For several years, the reserve terminated on the outskirts of Milang but in 2001 a further section was dedicated, completing the link through to Milang and Lake Alexandrina.



Nurragi Conservation Reserve is unusual in that it is jointly managed by the National Trust of South Australia and the Friends of Nurragi. The Friends of Nurragi is essentially a group of local volunteers including members from the Strathalbyn Naturalists and Local Government.

The reserve contains extremely important vegetation in a region that has been cleared of over 98% of its original cover. More than 300 native plant species are present, with over 50 of those being of particular conservation significance (eg rare or endangered). The Reserve is an important bird corridor, linking the lakeside environment to the foothills.

The Friends of Nurragi have volunteered thousands of hours to control pests and to enhance the reserve. Bridal creeper control has been a particular success. Revegetation of cleared areas along the Reserve has also been a priority through direct-seeding and tube-stock planting, the latter often involving local schools.



Recently 600 seedlings of the rare *Acacia pinguifolia* grown at the Milang Community Nursery were planted in one part of the Reserve.

A narrow corridor such as this is quite vulnerable to weed invasion from adjoining land. The Friends of Nurragi, in collaboration with the local Alexandrina Council, have applied an innovative approach to this problem. Nearby undeveloped road reserves have been closed and the equivalent amount of land has been added to the Nurragi Reserve – as strips of land alongside the original reserve that are now being revegetated with native species.

With the support of State NRM funding, a more formal walking trail is now being established along the reserve to enhance the experience for visitors to this very interesting area. It is expected that this will be opened as soon as trail signage is erected.

Further information can be obtained from the

National Trust of SA on 8202 9200 or from the Trust's web site:
www.nationaltrust.org.au/sa/nurragi-conservation-reserve



Article by Simon Lewis & Gerry Thompson



CNN finalists in SA Landcare Awards

The Lakes Community Nurseries Network has been selected as a finalist in the 2013 SA Landcare Awards. The Landcare awards Ceremony will be held on 6th November, with the winners announced on the night.

The History Spot

M.S. MOOLGEWANKE Tales

South Australian Weekly Chronicle (Adelaide, SA: 1858 - 1867) Saturday 16 November 1867
GOOLWA

MURRAY STEAMER MOOLGEWANKE TRIP

The inhabitants of Goolwa, Port Elliot, and Port Victor mustered strong on board the steamer Moolgewanke and barge on Tuesday morning last for the trip to Point McLeay to catch sight of His Royal Highness Prince Alfred, and witness the grand corroboree, but their expectations were doomed to miserable disappointment on arrival at the spot where the Prince was supposed to be. About 400 persons embarked, and on the way up the river and across Lake Alexandrina all were in joyous mood, and full of the pleasure they expected to enjoy. The weather was fine for the occasion, and the greatest cheerfulness prevailed, but when the destination was reached, and the provoking fact made known that the Prince had been there on Monday night and that the Grand Corroboree was then held, a dismal change took place, and cheerfulness gave way to gloom and sullenness, and many an equivocal blessing was bestowed upon the Hon. John Baker and his want of consideration for the feelings of his fellow-colonists, all the blame of the disappointment suffered by the excursionists being attributed to his instigations. The Moolgewanke brought back her passengers to Goolwa at half-past 2 a.m. next day, and a more jaded, sulky, and complaining lot of people it would be difficult to imagine, one and all agreeing that a more dead sail they had never experienced.



Bendigo Advertiser (Vic.: 1855 - 1918)

Friday 31st July

GOOLWA

THE BLOWING UP OF THE MURRAY STEAMER MOOLGEWANKE.

The South Australian Register of 22nd July has the following with reference to the catastrophe recently reported in our columns by telegraph:

"A telegram sent to us from Blanchetown shows that the chequered career of the Moolgewanke has been violently closed by her boiler bursting, and, sad to record, two men have been killed, while others have been injured by the explosion. The vessel was a flat-bottomed paddle steamer of 42 tons. She was built at Port Adelaide in 1850 for the Murray trade, and was registered in 1863. For some time the craft was owned by Messrs. Crozier and Jamieson, but subsequently she passed into the hands of Mr Ebenezer Randell, who used her along on the river. Afterwards Messrs. H. Warren and S. Wilson, of Two Wells, were the proprietors, and she traded to Port Gawler; but still later the boat was sold by auction by Mr W. Luxmoore. Dragging silt pontoons from the dredges up the stream to Port Adelaide, and sometimes carrying pleasure parties, varied with the occasional towage of vessels, filled up another period of her history. Then she returned to the Murray under the charge of Captain B. Fuller and the direction of Messrs. J. Stirling and Co. The catastrophe that has destroyed the vessel and proved fatal to men on board occurred at a point 10 miles below Blanchetown."

Spring up, Fall down

A sure way to remember which way to turn the clocks as day light saving starts (in American speak).
How did you go?



SPRING



AUTUMN (FALL)

Up-Coming Events / Opportunities



Finniss Catchment Group

Native grasses - a field day with Bob Meyers (at two properties near Ashbourne), Sunday 13th Oct 10-1.00pm Contact Sally Richards ph: 0428 441 978 emilsal@harboursat.com.au

Snake Awareness Sessions

Presenter Geoff Coombe

An introduction to local snakes, to show you how to recognise snake hazards; what to do about them; the options for dealing with snakes; and what you must do if an accident happens.

The session includes live local snakes used under controlled and safe conditions. Not suitable for children under 12 years old. **SUNDAY OCTOBER 27TH 1–3 PM ADELAIDE HILLS NRC, 1 CRESCENT DRIVE, NORTON SUMMIT.**

\$5 Adelaide Hills NRC 83901891 or volunteer@ahnrc.org



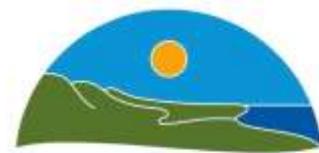
GW LAP AGM

With presentation by Historian and Author Robin Coles "**The Ochre Warriors**"

The culture and art of the Peramangk People of the Mount Lofty Ranges

St. Andrews Hall Wednesday 9th October 2013 7.00pm

RSVP Tony Randall 8536 5612 tony.randall@gwlap.org.au

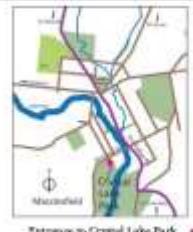
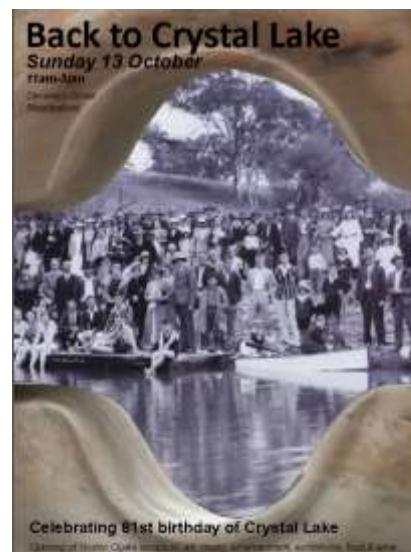


GOOLWA TO WELLINGTON LOCAL ACTION PLANNING ASSOCIATION INC

Back to Crystal Lake, Devereaux Rd, Macclesfield

Sunday 13 October 2013

Celebrating the 81st birthday of Crystal Lake, unveiling of the Yoshin Ogata sculpture, art, music, displays of the history of Crystal Lake and the bushcare work in the park.



Lakes Hub National Water Week Tour to Adelaide Desalination Plant

Wednesday 23rd October 9am-2pm

RSVP 8537 0808 info@lakeshub.com

Set Up For Success

Turn your hobby or idea into a successful small business!

Our experienced trainer will help you to identify and plan some strategies to develop, research, budget and market your ideas. Turn your idea into an earner!

9.30am-12.30pm on 15th, 22nd, 29th Oct, 12th, 19th, 26th Nov in ACE Space at Milang Community Centre.

For more information or to book ring 8537 0687

or email

reception@moshcc.com.au

Gold coin donation



Office Computing

Interested in improving your computer skills?

Over 5 sessions learn skills to give documents you create a professional look. Hints, tips and practical tasks to help you develop skills for computing work in an office.

Starts Monday 14th October, 9.30am-12.30pm in ACE Space at Milang Community Centre

For more information or to book ring

8537 0687

or email

reception@moshcc.com.au

Gold Coin Donation



Publisher

-a short course

Want to design fantastic looking documents but don't know how to begin?

Over 5 weeks, learn skills to create great invitations, flyers, cards & newsletters.

Get hints, tips & hands on practice.

Starts Monday 14th October, 1.30pm-4.30pm in ACE Space at Milang Community Centre

For more information or to book ring

8537 0687

or email

reception@moshcc.com.au

Gold coin donation



On the Level

DATE 30th September - 4th October 2013

Lake Levels (AHD)

Date	Goolwa	Milang	Raukkan Offshore	Meningie Jetty	Nth Warrengie Point
30-Sep	0.753	0.78	0.844	0.875	0.904
1-Oct	0.713	0.741	0.826	0.939	0.909
2-Oct	0.659	0.737	0.816	0.964	0.926
3-Oct	0.485	0.68	0.815	0.991	0.905
4-Oct	0.852	0.855	0.858	0.885	0.903
	0.692	0.759	0.832	0.931	0.909

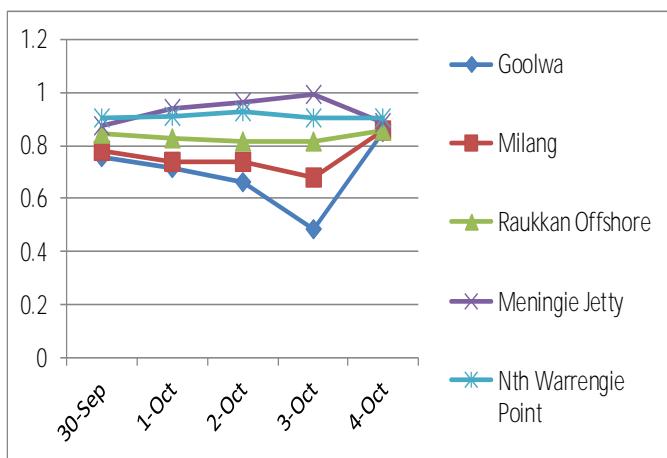
Salt Levels (EC)

Date	Goolwa	Milang	Raukkan Offshore	Meningie Jetty	Nth Warrengie Point
30-Sep	1962	658	750	2652	2652
1-Oct	1337	654	717	2641	2634
2-Oct	4807	650	655	2602	2615
3-Oct	4306	651	626	2586	1613
4-Oct		660	730	2622	2582
	3103	655	696	2621	2419

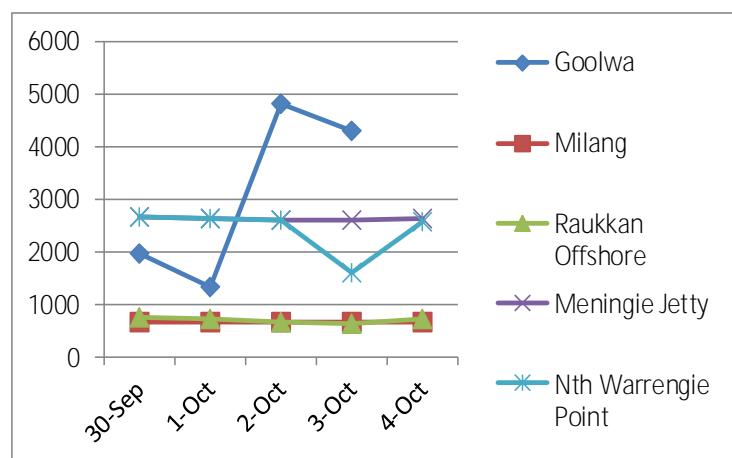
Data received from: www.waterconnect.sa.gov.au/RMWD/Pages/default.aspx

Please note: salinity levels in the Goolwa Channel can be influenced by tidal ingress.

Lake levels



Salt Levels (EC)



River Murray – Weekly Flow Advice

For weekly flow / level reports on the River Murray and Lakes go to the following website: www.waterforgood.sa.gov.au

Up-to-date River Murray flow and water level information can be accessed at the Department for Water, SA Water and Murray-Darling Basin Authority websites: [Water Connect](#), [Daily Flow Report](#), [River Murray Storage Data](#)

Details of river height and rainfall information in the River Murray within Victoria and New South Wales are available at the Bureau of Meteorology website:

<http://www.bom.gov.au/vic/flood>

Information on the discharge of acid drainage water into the Lower River Murray can be accessed online at: www.waterforgood.sa.gov.au

For the latest River Murray Flow Report and Water Resources Update - 16th November 2012 visit: <http://www.waterconnect.sa.gov.au>

Some electrical conductivity ranges	
Water type	Electrical conductivity ($\mu\text{S}/\text{cm}$)
Deionised water	0.5-3
Pure rainwater	<15
Freshwater rivers	0 - 800
Marginal river water	800 - 1600
Brackish water	1600 - 4800
Saline water	> 4800
Seawater	51 500
Industrial waters	100 - 10000

Source: Suttor S.,
Ribbons of Blue
Handbook.
Scitech, Victoria,
1990.

CALENDAR OF EVENTS for more info contact the Lakes Hub

If you have any relevant community event or courses that you would like added to the Calendar of Events please contact the Lakes Hub.

October 2013	
8	'Current state of world biodiversity...' Corey Bradshaw 7pm Willunga ph 8556 4188 info@willungaenviro.org.au
9	Goolwa to Wellington LAP AGM 7pm St Andrews Hall ph 8536 5612 tony.randall@gwlap.org.au
10	Irrigation road show 11am-2pm Meningie West Booking 0409 825 938 or NEwart@dairyaustralia.com.au
11	Irrigation road show 11am-2pm Murray Bridge Booking 0409 825 938 or NEwart@dairyaustralia.com.au
12	Intro to Bird Watching & Monitoring John Gitsham 9-3 Murray Bridge ph 8580 1830 danielle.packer@sa.gov.au Pt Elliot Show
13	Native Grass Field Day with Bob Myers Finniss Catchment Group 10am-1pm ph 0428 441978 Pt Elliot Show Tumbeela Native Bush Foods Tour 11am-3.30pm tours, tastings, native food, wine & music \$8 www.tumbeela.com.au
14	Strathalbyn Christmas Where thew Angas Flows Committee 'Come n Sing' 6.30pm Strath Town Hall 0428 593 874
15	Irrigation road show—Tooperang 11am-2pm Booking 0409 825 938 or NEwart@dairyaustralia.com.au
16	Making Biochar from Common Reeds Field Day 9.30am ph 0408 813 628 office@environmentsbydesign.com.au National Ride to Work Day www.bicyclenetwork.com.au
17	Weed Management Society of SA AGM 4pm Waite Campus ph 0401 288 946 wmma01@hotmail.com
18	
19	
20	Meadows Country Fair & Battunga Field Day 9am-4.30pm
21	21-27 October National Water Week www.awa.asn.au
22	
23	Lakes Hub Tour Adelaide Desalination Plant & Water Security Discussions 9am - 2pm ph 8537 0808
24	
25	
26	
27	Snake Awareness Sessions for Property Owners— 1pm—3pm Adelaide Hills NRC 83901891 or volunteer@ahnrc.org
28	
29	
30	
31	

November 2013

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6	SA Landcare Conference www.landcaresa.asn.au , 0407972149 or gbutler@landcaresa.asn.au

Disclaimer

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 In addition, the existence of a link to another site or resource does not constitute a recommendation or endorsement of that site or resource. The Lakes Hub does not accept responsibility or liability for any information at any of the sites linked to from this Bulletin.
 If you feel a link description, site, piece of advice or anything else mentioned here is inappropriate, do [let me know](#) and I will endeavour to correct it where necessary.