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11th November 2013

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Amelia says goodbye

On my last day at the Lakes Hub office today I would like to say thankyou, it has been a great experience for me over the last year or so. I have learnt a great deal about our wonderful Lakes & Coorong, about the fantastic revegetation work that you are all a part of, and met many wonderful dedicated people! You all do such an amazing job well done and I am sure I will keep in touch!

Thanks and Best Wishes,
Amelia

SA Landcare & Community Achievement Awards

Goolwa to Wellington Local Action Planning Association have won the SA Landcare 'Partnerships With Landcare' Award. GWLAP Program Manager Tony Randall says: "This award recognises everyone involved with the Goolwa to Wellington LAP and our programs, and is a fantastic recognition of the hard work and dedication of everyone involved in the Goolwa to Wellington LAP and our programs."

The Community Nursery Network were Semi Finalists in the Fivestar Print Environment and Sustainability Award and were Finalist in the Qantas Landcare Innovative Community Group Award.

Congratulations to the Community Nuresry Network and the Goolwa to Wellington LAP! Great recognition for all your hard work and dedication!



The weekly links...

Nature play and 51 things to do before you turn 12

www.natureplaywa.org.au/51-things

MDBA e-news 'The Spillway' latest edition November 2013 now online

Articles include: environmental water recovery, addressing water constraints and water trading rules - the short version! And more...

visit: www.mdba.gov.au/media-pubs/spillway

Climate Change Poses Risk to Food Supplies

The UN Intergovernmental Panel on Climate Change (IPCC) leaked report due in March
www.econews.com.au/news-to-sustain-our-world/climate-change-poses-risk-to-food-supplies/

National Recycling Week Nov 11-17th



Is it possible to live completely waste free? In this multi-award winning, festival favourite, partners Jen and Grant go head to head in a competition to see who can swear off consumerism and produce the least garbage. Their light-hearted competition is set against a darker examination of the problem waste. Even as Grant and Jen start to garner interest in their project, they struggle to find meaning in their minuscule influence on the large-scale environmental impacts of our “throw-away society”. Described as An Inconvenient Truth meets Super Size Me, The Clean Bin Project features laugh out loud moments, stop motion animations, and unforgettable imagery. Captivating interviews with renowned artist, Chris Jordan and TED Lecturer Captain Charles Moore, make this film a fun and inspiring call to individual action that speaks to crowds of all ages.

View a trailer for this inspiring film here: www.vimeo.com/3301133

Did you know? - Recycling

- DID YOU KNOW... by recycling 1 plastic bottle, students can save enough energy to power their computer for 25 minutes.
- DID YOU KNOW... glass can be recycled over and over again. Today approximately 25% of your new glass jars and bottles are made from recycled materials. If you instead put your glass in landfill, it can take 1 million years to break down.
- DID YOU KNOW... unfortunately, according to the Australian Bureau of Statistics, between 2001 and 2007 the volume of waste deposited to landfill actually increased by 12%, increasing from 19.0 million tonnes to 21.3 million tonnes. With population growth and increase consumerism, it is expected this increasing trend will continue.
- DID YOU KNOW... recycling one glass container saves enough energy to power a 100-watt light bulb for 4 hours or a fluorescent bulb for 20 hours

www.sourceseparationsystems.com.au

Recycling quiz —win prizes

Test your recycling knowledge and go into the draw to win a Green Prize Pack

www.recyclingweek.planetark.org/



Recycle soft plastics

Did you know you can recycle plastic bags and soft plastic packaging (e.g. packet that rice, pasta & biscuits come in) at Coles

Reduce landfill and reduce the amount of plastic in our waterways & oceans!

For more information visit: Planet Ark



The History Spot - River people question price of 'progress'

The Big River: David Mussared follows the course of the Murray-Darling River system

Canberra Times Monday 18th January 1993

The 18 tribes of the Ngarrindjeri live along the lower valley of the Murray — centred on Murray Bridge — where the great river bends south and carves its way through a wide valley to the sea. The lower reaches of the Murray are very different from the meandering, criss-crossing channels and shallow flood plains along most of its length. From Blanchetown to Murray Bridge the river flows in a channel at the bottom of an impressive valley, edged in places by spectacular ochre and brown cliffs.

The river this year is high and the valley for much of its length is a wide sheet of water. The current is strong. Embedded in the din's are the remains of myriads of tiny sea creatures, which died more than half a million years ago when the area was a seabed. The river has carved its way through the ancient sediment, now soft, crumbly rock.

At the end of the valley the Murray River widens, before spilling out into Lake Alexandrina and Lake Albert at the head of the Coorong.

Near the town of Goolwa the lakes drain out through the Murray Mouth into the ocean. Henry Rankine lives, and was born, at an Aboriginal community he calls Raukkan on the shores of Lake Alexandrina. For 32 years he has represented his people on the Ngarrindjeri Community Council and its predecessors. Last year, like his mother before him, he was awarded an Order of Australia Medal. He said there had been "many, many changes" to the lake and river environment in his memory, most of which he blamed on the regulation of water flow through the construction of dams further upstream. "The river used to flood some thing like every five years," he said.

"All the water came down — cleaned all the systems out. All the fish used to breed. That's no more. "The river only floods once every 12 years now. That's where progress stuffed it up."

Mr Rankine's people have a longstanding connection with the Murray River; physical and mythological. He said traditional Ngarrindjeri people knew the river as Murrundi, a name belonging to a Dreamtime man from the Darling River. Murrundi's doings in the lower Murray had shaped the valley, and by cutting up a giant cod and hurling its pieces into Lake Alexandrina he had generated all the different species of native fish. Mr Rankine said it was once possible to catch large quantities of — using their South Australian names — black bream and callop in the lake. "We were brought up on fish, when we didn't have anything to eat we used to throw a line in the water and catch fish," he said. "Now you can't do that; there's no fish there."

The lake had changed; he said the introduced European carp had eaten much of the weed which once grew in it — "a good thing" — but had taken to the murky, regulated water in vast numbers. "You used to be able to see two, three, four feet down into the lake; now you can't see that. It's all dirty." Lake Alexandria has a reputation of being a dangerously unpredictable stretch of water; so shallow in parts that very high seas can be whipped up in minutes. "It's dangerous for silly people," Mr Rankine said. "[You have to] take care when you're out on the lake, because in five minutes it could be as rough as guts."

Mr Rankine is no stranger to Canberra — a "good place to visit", he said diplomatically, although he preferred Queanbeyan. He is chair man of the Murrundi Regional Council and has been to the ACT several times for meetings. Raukkan was his community's correct name, Mr Rankine said, not Point MacLeay as it was commonly known. He said Raukkan was once the meeting place of the Ngarrindjeri Tandj, the "governing body" of the 18 Ngarrindjeri tribes. It was also where in 1830 the white explorer Charles Sturt first met the Ngarrindjeri people. The meeting was not an auspicious one. "Sturt and his mob were starving," Mr Rankine said. "They didn't have any tucker left. And there were these blokes sitting on the banks; all fat black fellows."

The site is marked by a monument to the meeting. The town includes historic stone houses and churches, two of which he said were now being restored. At any time there could be up to 35 families living at Raukkan, he said, although most Ngarrindjeri now lived in Murray Bridge.

Mr Rankine was optimistic about the future. For Aboriginal people, he said, in recent history it had been "a long walk between water holes", but the Raukkan community was now in charge of its destiny. "This is home," he said. "I will show anybody this, my home. I am proud of it. This is my special place, but all other Aboriginal places in Australia are also special."



Henry Rankine standing in front of the Sturt monument at Raukkan, with Lake Alexandrina in the background

Up-Coming Events / Opportunities

LAKES HUB 'TALKING HEADS'

SEDGE PLANTINGS AROUND LAKE ALBERT
 Lakes Hub Meningie Wednesday 27th November
Drop in between 4.30 and 6.00 pm

Come along to participate in the site selection process and learn about DEWNR planting of the River Club Rush (*Schoenoplectus validus*) to reduce bank erosion.




For information & bookings contact Lakes Hub Meningie
 Ph: (08) 8575 1830
 meningie@lakeshub.com
 www.lakeshub.com

The Lakes Hub is an initiative of the Miling 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.

Flinders University Lecture Series

'Are Weather Forecasts Still for Wimps—Usability of Predictions in Water Management'

Professor Steve Rayner, Oxford University
 Tuesday 26th Nov 3.45 for 4pm
 Victoria Square - Flinders Uni City Presence
 Level 1, 182 Victoria Square
 (cnr Flinders St)
 RSVP 7221 8693
 Stacey.richardson@flinders.edu.au

Signal Point Riverine Environment Group Inc. 

20 year celebration

Come help us celebrate

When: Sunday 24th November

Time: 11.00 am to 2.30 pm

At: Goolwa Museum, Porter Street
(weather permitting on the lawn behind the Museum)

On display will be:

Frogs, Reptiles, Acid Sulfate Monitoring, Water Quality

Photos – Photos – Photos

History since 1993 – Past projects and achievements

Current group activities

RSVP to Greg 0457 374 343

or Regina 0427 364 551

regina.durbridge@goolwa.org.au

Past & New members welcome.

Lunch provided



CLAYTON BAY NURSERY & ENVIRONMENT GROUP

TRANSPLANTING DAYS

CLAYTON COMMUNITY NURSERY

Growing 25,000 plants for the region

Join volunteers & help with transplanting seedlings 9am–3.00pm

Monday November 18th
 Tuesday November 19th

Come along for the day or just for an hour.
 Bring a friend for a fabulous morning and afternoon tea, and a laugh with the group.
 BYO lunch

Enquiries: Nursery Manager
claytonbayneg@gmail.com
 0459 707 876

IT'S TIME TO TURN UP THE HEAT
 ARE YOU READY FOR A SUMMER OF ACTION?

**17TH NOVEMBER
 NATIONAL DAY OF
 CLIMATE ACTION**

It's time to turn up the heat on climate action. Australia's politicians have severely underestimated how much Australians care about climate change. But if thousands of us hit the streets all around the nation, we will make it clear that the majority of Australians want stronger action on climate change. Visit www.getup.org.au/climate to find your closest action or to organise an event in your area.

**ADELAIDE
 ELDER PARK, 11AM**



'TALKING HEADS'



Keeping salt out of the Murray

Are you interested in the future of the Lower Murray and Lakes?

Lakes Hub Talking Heads presentation by **Peter Forward, SA Water, Principal Engineer** talking about the River Murray Salt Interception Scheme in South Australia

Tuesday 3rd December 4 - 6pm
Lakes Hub MILANG

For information & bookings contact
the Lakes Hub Milang
Ph: (08) 8537 0808
info@lakeshub.com
www.lakeshub.com



Photo Arthur Mostead

<50	Rainwater
650	Salinity level can damage irrigated crops
800	World Health Organisation standards consider this the maximum desirable limit for water quality
>1500	Can't be used for many crops Likely to cause direct damage to natural ecosystems
>5000	No longer considered to be fresh water Most freshwater animals and fish won't survive
50,000	Seawater

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.

Up-Coming Events / Opportunities

Neville Bonney Quandong Book Launch

Neville Bonney's new book on quandongs will be launched on Tuesday 19th November at the Rare Fruit Society meeting. Venue: Burnside Community Centre, 401 Greenhill Road, Tusmore, corner of Portrush Road, behind Burnside Town Hall, starting at 7:45pm.

Our advice is to get there early, as the Rare Fruit Society meetings are large. Anyone would be welcome to attend.

Willunga Mural Competition

Like to paint? Always wanted to make a mural? Keen to join Willunga's growing artistic culture, or, already part of it? Here's your chance to have some fun with friends and contribute to Willunga's wonderful street scape. The inaugural Green Light Festival on November 16, at Willunga's Rec Park is hosting a mural painting competition. Open to anyone who has friends and owns paintbrushes, this competition promises to be one of the highlights of Willunga's own sustainability festival.

The winning entry is to be recreated as a permanent fixture somewhere in Willunga.

Who want's a mural?

The final resting spot for the mural is yet to be confirmed, and organizer Jeff Simmons is keen to hear from anyone who has a location to offer, or at least, a location to suggest. To be considered for having the mural at your location, you must:

- Be willing to come to the festival and be part of the judging team.
- Be responsible for a permanent, large blank surface that is suitable for a mural in the Willunga area (township preferred) that is in clear public view.
- Organise any council approvals if required. (We will help with this)



Rules of the competition?

- Teams are to be made up of three to five members.
- There will be an adult and a junior (under 16) category
- All team members must be part of the Fleurieu Community (live, work, study, regularly shop, play sport or be actively involved in other ways in the local community)
- Each team will be provided with a selection of left over house paints and a large canvas.
- Each team will create a mural depicting their understanding of a more sustainable Willunga.
- Each team will supply their own painting tools.
- Teams will be allocated set times to create their mural.
- Juniors 10.00 – 12noon
- Adults 1.30 – 4.30pm
- Teams should be present for the judging at 4.45pm.
- Winning teams must be willing to volunteer to recreate their mural at the designated venue.
- All teams must be willing to have their mural auctioned to raise money for running the festival next year.

Registration forms available from: The Green Room and Office & Image

Team Registrations close Wednesday November 14

Donate your old house paints

Do you have rusty old tins of house paint (water based), cluttering up your shed, stashed under your house, using up valuable cupboard space?

Why not make these eyesores a contribution to a more sustainable Willunga? Ring Jeff on 85289113 or drop him a line on jeffsimmons@iprimus.com.au

On the Level

4th - 8th November 2013

Lake Levels (AHD)

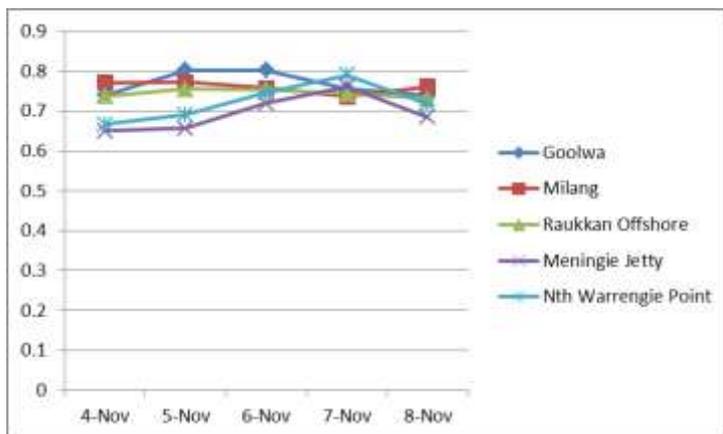
Date	Goolwa	Milang	Raukkan Offshore	Meningie Jetty	Nth Warrengie Point
4-Nov	0.74	0.771	0.738	0.65	0.667
5-Nov	0.803	0.772	0.755	0.657	0.691
6-Nov	0.803	0.758	0.754	0.72	0.746
7-Nov	0.755	0.736	0.744	0.761	0.791
8-Nov	0.739	0.762	0.732	0.685	0.717
	0.768	0.760	0.745	0.695	0.722

Salt Levels (EC)

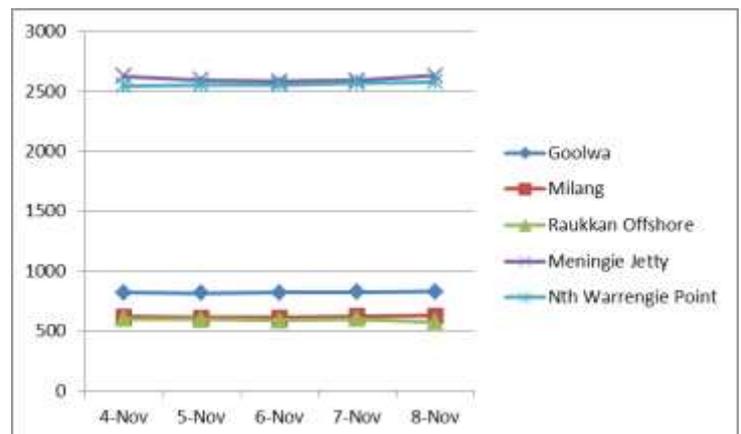
Date	Goolwa	Milang	Raukkan Offshore	Meningie Jetty	Nth Warrengie Point
4-Nov	820	620	602	2628	2547
5-Nov	818	612	598	2594	2553
6-Nov	823	612	590	2583	2555
7-Nov	827	626	600	2591	2569
8-Nov	829	628	578	2632	2578
	823	620	594	2606	2560

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

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](http://www.waterconnect.sa.gov.au), [Daily Flow Report](http://www.waterforgood.sa.gov.au), [River Murray Storage Data](http://www.waterforgood.sa.gov.au)

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 (µS/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: Suttar 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.

November 2013	
11	National Recycling Week 11-17th November www.recyclingweek.planetark.org
12	
13	
14	
15	
16	
17	
18	Clayton Nursery Transplanting Day 9am-3.30pm Carole Richardson 0459 707 876 cbneg@gmail.com
19	Clayton Nursery Transplanting Day 9am-3.30pm Carole Richardson 0459 707 876 cbneg@gmail.com
20	CLLMM Project Officer Quarterly Meeting 10.30am to be confirmed
21	World Fisheries Day www.grdc.org or check out the Facebook page
22	
23	
24	
25	
26	Flinders Uni lecture 'Are Weather Forcasts Still for Wimps' 3.45pm Level 1, 182 Victoria Square 7221 8693
27	Talking Heads DEWNR Schoenoplectus plantings for lake edge stabilisation Meningie Hub 8575 1830
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4	

December 2013	
1	
2	
3	Talking Heads Salt Interception Scheme Peter Forward, SA Water Milang Hub ph8537 0808
4	
5	International Volunteers Day www.volunteeringaustralia.org Friends of Meningie meeting call Lakes Hub for information 8575 1830
6	
7	
8	

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.