

Number 161
20th August 2013

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Lakes Hub Online Survey Results are in

The Bulletin Survey was designed to measure community connectedness, knowledge and participation in relation to CLLMM and Lakes Hub programs as a measure of community resilience. And we got a great response - 64 people replied - thanks everyone! Overall people felt positive about the Bulletin and many people came up with great suggestions for future editions and stories as well as other activities that the Hub could be involved in. If you would like to see a summary of results send me an email or have a look on the Lakes Hub website:

www.lakeshub.com

Congratulations to Con Boerma of Clayton Bay who is the winner of the Lakes Hub Online Survey draw. Con wins a free trip for 2 on the Spirit of the Coorong.

Thanks and Best Wishes, Amelia

The weekly links...

[Kauwi Interpretive Centre - Adelaide Desalination Plant](#)

The Kauwi Interpretive Centre provides fantastic learning opportunities for school groups (through the Brainwave program), community groups and technical groups.

www.sawater.com.au/SAWater/WhatsNew/MajorProjects/ADP.htm

[Smarter energy videos](#)

Watch, learn and save. Videos to show you a few no cost/low cost energy-saving tips. Like a good shower, they're only short, but the information within is priceless.

<http://aglsmarterliving.com.au/energy-efficiency-advice/smarter-energy-videos/>

[Growing food in cities](#)

Green walls, rooftop vegetable gardens and balcony growing systems are capturing the imagination of city-dwellers everywhere. But is it time for a reality check on the viability of producing food in urban environments:

www.abc.net.au/environment/articles/2013/06/19/3784338.htm

[DPTI grants to support safer, greener and more active travel choices](#)

The Department of Planning, Transport and Infrastructure (DPTI), in partnership with the Motor Accident Commission, is offering grants for groups and organisations to deliver small scale projects that support safer, greener and more active travel choices.

www.dpti.sa.gov.au/communityprograms/community_grants

[WetlandCare Australia](#) publish a monthly newsletter with latest management, research & education news on wetlands in Australia and around the world, find August edition here or you can subscribe: www.wetlandcare.com.au

[Regional Wellbeing survey](#)

Researchers at the University of Canberra are encouraging rural residents across Australia to take part in the Regional Wellbeing survey - go online at www.regionalwellbeing.org.au, or call 1800 981 499 to request a paper copy.

[Take part in the survey for a chance to win one of 9 prizes worth a total of \\$7000](#)

Plant tissue collection for genetic diversity research

Last week Mandy & Stephen Stewart from the GWLAP Community Monitoring team and project officer Regina Durbridge assisted DEWNR project officers Katherine Ryan and Thai Te with collecting plant tissue samples for genetic diversity research in the South East. Katherine is currently working on the *Ruppia* Translocation project and Thai with Research & Monitoring.

Currently all plant species grown for the CLLMM Revegetation Project are grown from locally collected seed or cuttings to ensure that provenance is kept. However, the general question of how far (local) from a restoration site can seed be collected is often unclear.



CLLMM are working with the Adelaide University and the State Herbarium of South Australia on a project to develop a guide using seed provenance for seed collection. Four species were selected for researching; *Schoenoplectus validus* (River club rush) wind pollinated, *Ruppia tuberosa* (Tuberous Seatassel) water pollinated, *Allocasuarina verticillata* (Drooping she-oak) wind pollinated and *Kunzea pomifera* (Muntries) insect pollinated.

A range of samples were collected from within the CLLMM region and a few from outside of the region for comparison. Technique involved collecting 50-60 leaf/stem samples taken within 1ha plots with one herbarium sample also collected. Each individual sample was labelled and the coordinates of each plant logged.

Results from this research will greatly assist with future revegetation projects and our knowledge of plant population diversity in the CLLMM Region. Results from the *Ruppia* sampling will also assist to identify how much of the source population of *Ruppia* translocated from Lake Cantara is reproducing asexually vs sexually.



Come join the conversation about NRM in the SA Murray-Darling Basin

The SA Murray-Darling Basin Natural Resources Management Board is seeking community opinion on NRM priorities for the region and the Regional NRM Plan. The Regional NRM Plan provides the vision and the Regional Action Plan identifies actions and programs to deliver the NRM plan. These plans can be downloaded from www.environment.sa.gov.au/haveyoursay/samdb-nrmplan or you can request a copy by calling 8532 9100.

New EPBC listing

River Murray and associated wetlands, floodplains and groundwater systems, from the junction of the Darling River to the sea listed as critically endangered.

The Minister amended the list of threatened ecological communities under section 184 of the EPBC Act to include the River Murray and associated wetlands, floodplains and groundwater systems, from the junction with the Darling River to the sea ecological community in the critically endangered category. It is noted that the Lower Murray River Aquatic Ecological Community listed as endangered under the New South Wales Fisheries Management Act 1994 corresponds in part to the faunal component of the River Murray and associated wetlands, floodplains and groundwater systems, from the junction with the Darling River to the sea ecological community. Within the Victorian extent of the national ecological community, the Lowland Riverine Fish Community of the southern Murray-Darling Basin is listed as threatened under the Flora and Fauna Guarantee Act 1988. South Australia does not formally list ecological communities as threatened under State legislation.



www.environment.gov.au/cgi-bin/sprat/public/publicshowcommunity.pl?id=92&status=Critically+Endangered

Pest and Diseases Workshop

Nursery Production Plant Health & Biosecurity Project -Pest and Disease ID Workshop Series

Conducted at the Urrbrae TAFESA teaching laboratory from 9.00am until 2.00pm on 30th August 2013

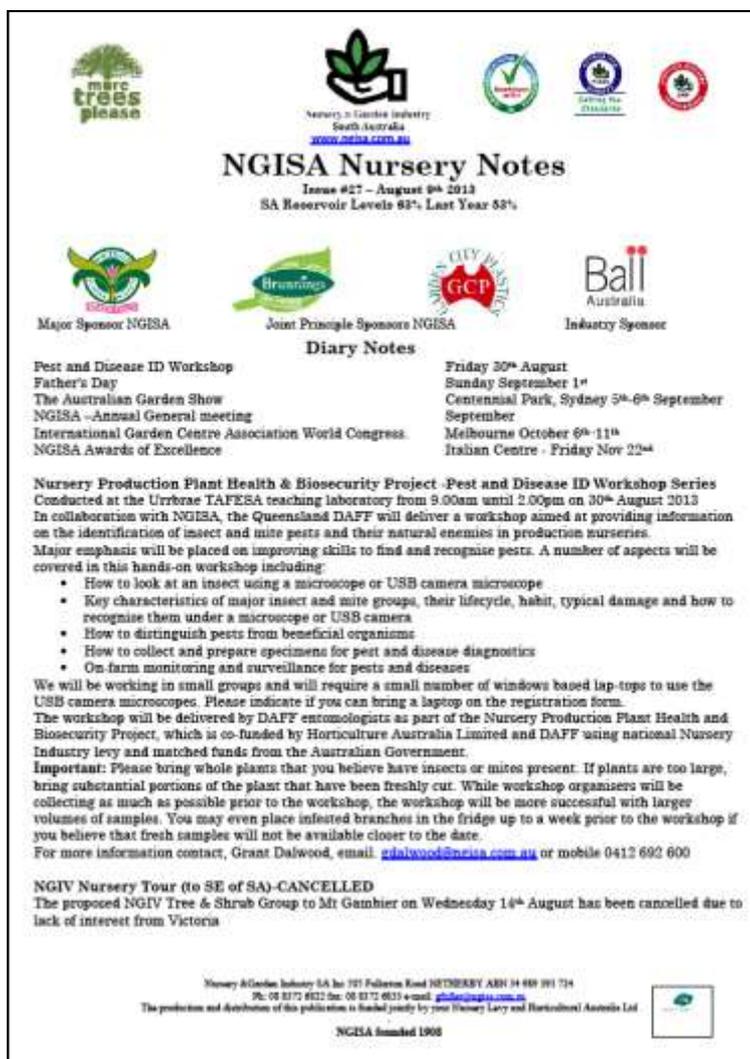
In collaboration with NGISA, the Queensland DAFF will deliver a workshop aimed at providing information on the identification of insect and mite pests and their natural enemies in production nurseries.

Major emphasis will be placed on improving skills to find and recognise pests. A number of aspects will be covered in this hands-on workshop.

Important: Please bring whole plants that you believe have insects or mites present.

For more information contact, Grant Dalwood, email. gdalwood@ngisa.com.au

or phone 0412 692 600



NGISA Nursery Notes
Issue #27 - August 9th 2013
SA Reservoir Levels 63% Last Year 53%

Diary Notes

Pest and Disease ID Workshop Father's Day The Australian Garden Show NGISA - Annual General meeting International Garden Centre Association World Congress. NGISA Awards of Excellence	Friday 30th August Sunday September 1st Centennial Park, Sydney 5th-6th September September Melbourne October 6th-11th Italian Centre - Friday Nov 22nd
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In collaboration with NGISA, the Queensland DAFF will deliver a workshop aimed at providing information on the identification of insect and mite pests and their natural enemies in production nurseries.
Major emphasis will be placed on improving skills to find and recognise pests. A number of aspects will be covered in this hands-on workshop including:

- How to look at an insect using a microscope or USB camera microscope
- Key characteristics of major insect and mite groups, their lifecycle, habit, typical damage and how to recognise them under a microscope or USB camera
- How to distinguish pests from beneficial organisms
- How to collect and prepare specimens for pest and disease diagnostics
- On-farm monitoring and surveillance for pests and diseases

We will be working in small groups and will require a small number of windows based lap-tops to use the USB camera microscopes. Please indicate if you can bring a laptop on the registration form.
The workshop will be delivered by DAFF entomologists as part of the Nursery Production Plant Health and Biosecurity Project, which is co-funded by Horticulture Australia Limited and DAFF using national Nursery Industry levy and matched funds from the Australian Government.
Important: Please bring whole plants that you believe have insects or mites present. If plants are too large, bring substantial portions of the plant that have been freshly cut. While workshop organizers will be collecting as much as possible prior to the workshop, the workshop will be more successful with larger volumes of samples. You may even place infested branches in the fridge up to a week prior to the workshop if you believe that fresh samples will not be available closer to the date.
For more information contact, Grant Dalwood, email. gdalwood@ngisa.com.au or mobile 0412 692 600

NGIV Nursery Tour (to SE of SA)-CANCELLED
The proposed NGIV Tree & Shrub Group to Mt Gambier on Wednesday 14th August has been cancelled due to lack of interest from Victoria

Nursery & Garden Industry SA Inc 721 Fullarton Road MERTONVILLE ADELAIDE SA 5103
Ph: 08 8372 6622 fax: 08 8372 6635 e-mail: ngisa@ngisa.com.au
The production and distribution of this publication is funded jointly by your Nursery Levy and Horticulture Australia Ltd

NGISA founded 1996

DEWNR cryptic bird surveys

DEWNR (Department of Environment, Water & Natural Resources) will be conducting monthly surveys (Sept-Dec) again this year to determine the distribution and abundance of cryptic waterbirds around Lakes Alexandrina and Albert. A main goal of this work is to gain a better understanding of the habitats and sites that are important to these birds.

The first survey for the season is planned for Monday September 2nd to Wednesday September 4th. All landholders will be contacted for permission to go onto their property beforehand.

If you have any questions/concerns, please contact :

Dr Jody O'Connor

Scientific Officer- Ecological Monitoring

Science Monitoring and Knowledge/Science Unit/Ecology Team

Department of Environment, Water and Natural Resources

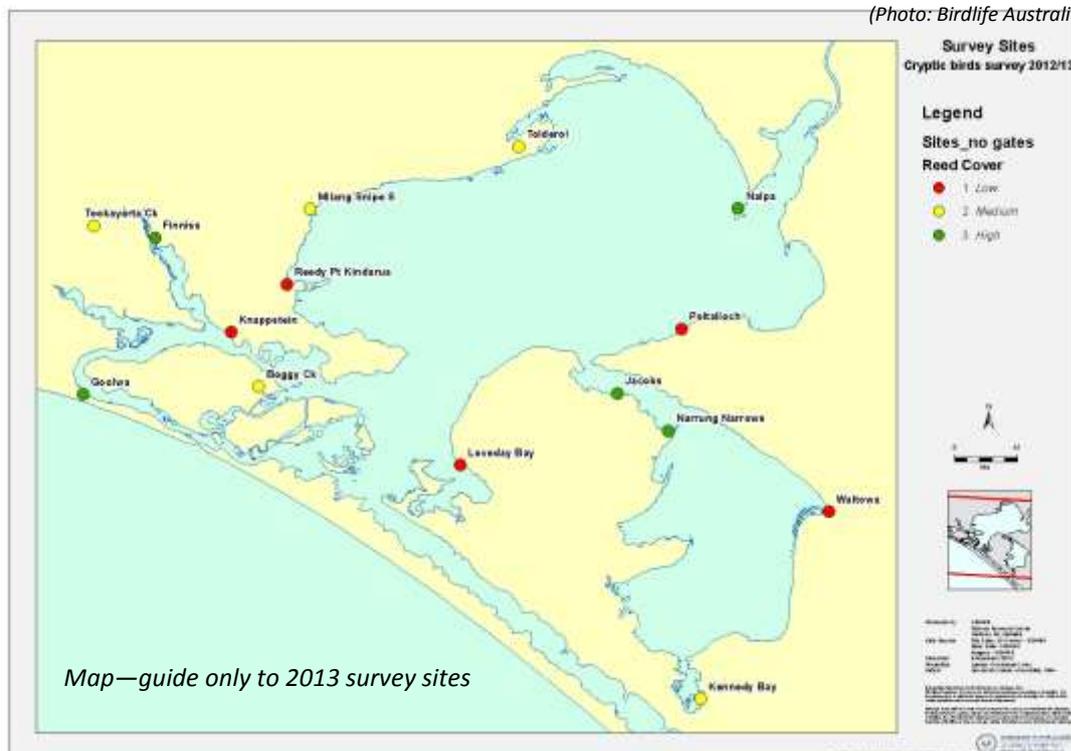
S. A. Government

P: (08) 8222 9326

E: jody.o'connor@sa.gov.au



Australian Painted Snipe
(Photo: Birdlife Australia)



The History Spot - Alexandrina, Lake -Nomenclature

Did you know?.....

Discovered by sealers in 1828, Lake Alexandrina was named by Captain Charles Sturt on 9 February 1830. At a later date he said: "Considering this lake to be of sufficient importance and in anticipation that its shores will, during her reign, if not at an earlier period, be peopled by some portion of her subjects, I have called it, in well meant loyalty, 'The Lake Alexandrina'."

At the time of its discovery Princess Alexandrina was heiress to the British throne; she became Queen Victoria. It was proposed to change the name to 'Victoria' and as late as 1853 it was used in official Government records.

The mouth of the River Murray where it enters the lake was called *jeratang* by the Aborigines, based on *jera* - 'leaf' and *tanga* - 'man', which referred to men hiding behind hand-shields of leafy branches when stalking game; this is the place from which Ponde escaped into Lake Alexandrina.

Information from: www.slsa.sa.gov.au/manning/pn/a/a5.htm

Community Advisory Panel (CAP)

Member Profile

In order to strengthen ties between the Lakes Hub and the Community Advisory Panel we will be profiling a CAP member in the bulletin each week.

Neil Shillabeer

Neil Shillabeer currently lives at Oakbank in the Adelaide Hills. He has retired due to the drought, and now his work revolves around River Murray, CLLMM and Local community issues. He lived in the CLLMM region for 16 years between 1992-2008.

He brings many experiences to the Community Advisory Panel (CAP) as a long time irrigator and land owner on the Lakes' Narrung Peninsula. He has been a member of NRM River Murray Advisory Committee since 2003, he was the Chair of the Lower Lakes and Coorong Infrastructure Committee (Meningie) between 2006-2009 and he was a member of South Australian Murray Irrigators Board 2003-2007. Neil is a member Community Reference Group for the development of the Long Term Plan for CLLMM, and member of the Lower lakes and Coorong Boating and Tourism Group. He was chair of the Meningie and Narrung Lakes Irrigators Association 2003–2006 and past Member Lower Murray Drought Liaison Committee, as well as current chair for the Community Reference Group for the Lake Albert Scoping Study.

He was initially interested in the CAP having been involved in the development of the Long Term Plan for CLLMM and having worked through and been affected by the drought, (a situation he hopes never to happen again). He recognised the need to see the future planning provide successful outcomes for the community and the environment in the CLLMM region.

In his years of working and living in the local community Neil developed friendships and a strong network which enables him to stay connected. Having owned and leased land on the Lake he developed a passion for the wellbeing of the area. He has learnt since becoming a member of the CAP the importance of maintaining a healthy and vibrant environment and community. He feels that strong connections between grass roots community and government need to be maintained for sensible outcomes. Greater education and understanding by people right throughout the MBD is necessary if our region is to survive the next drought. He feels whilst the drought was extremely damaging, the learning curve as a result has been amazing and will stand us in good stead for the future. Information developed relating to CLLMM is consistently scientifically credible and can withstand any peer review.

As a CAP member his role is to represent community and give information about the CLLMM Recovery Project to local community members. He achieves this by using his extensive networks developed through involvement with community groups and government agencies. He is very approachable and will take issues back to the CAP meetings. He feels the CAP has progressed since early 2012 and has become the peak community body for environmental and community issues within the CLLMM region. By the very nature of having a broad cross section in its membership, the group has expertise on most subjects it encounters.



Up-Coming Events

Deep Creek Conservation Park - Community Open Day

Join in a fun day out for all ages in one of South Australia's most scenic bushland parks. Free Entry

When: Sunday, 22 September- 11am-2pm

Where: Park Headquarters, Tappanappa Road, Delamere (off Range Road). There will be loads of exciting activities and stalls: face painting, animals, park pass giveaways, games and prizes, local markets, CFS, Smokey the Bear and much more.

For more information call Park Headquarters 8598 0263

DEWNR Volunteer Newsletter 'The Link' available online:

www.environment.sa.gov.au/get-involved/Volunteering_with_DEWNR/Volunteer_news

Open Gardens Australia 2 events:

Saturday 31st August and Sunday 1st September entry is \$7 per person with under 18's free:

- Dean Nicoll's Currency Creek Eucalypt Arboretum open with tours at 10am, 12.30 and 3pm.
- Daisy Patch 1 George Tce Coonalpyn 10am-4.30pm - visit a private garden & be inspired, 1-hour workshop on each day at 2pm - succeeding with Australia's iconic paper daisies, sustainable water management & weed control. www.goodchoices.com.au/garden.html

For more information visit: www.opengarden.org.au/regions/sa_calendar.html

Deep Creek Conservation Park photo: gocampingaustralia.com



OPEN GARDENS AUSTRALIA

Saturday & Sunday
31 August & 1 Sept.

Daisy Patch
1 George Terrace, Coonalpyn

Visit a private garden and be inspired.
Well-manicured gardens whose fragrant daisy, rose and other seasonal colour, sustainable water management and weed control.

On-site workshop at 2pm each day on "Succeeding with Australia's iconic Paper Daisy".

Food & drinks available, don't miss!

Open 10am - 4.30pm
ENTRY: \$7.00
Under 13 free

Visit, Dig it, Live it!
www.opengarden.org.au

ABC



ECO Wise Action!

Learn how to save energy, resources & money!

Develop skills to shop smarter, reduce waste, save water, lessen your environmental impact & find useful information online.

Tuesdays, 1.30-4.30pm for 4 weeks

Now starting 27th August



Gold coin donation

Milang Community Centre

For more information

or to book ring

8537 0687 or email

reception@moshcc.com.au



This course is funded through the ACE program, as part of the Government of South Australia's Skills for All initiative.

ANGAS RIVER Catchment Group Annual General Meeting Guest Speaker: Dr. Kerri Muller



Dr. Kerri Muller (Principal, Kerri Muller NRM) is a local wetland ecologist who has worked on the SA River Murray and Lakes since the 1992 flood. A major part of her work has been listening to the Ngarrindjeri people, community members, managers and scientists who have monitored change in this environment over time. Kerri will discuss how she has integrated this local knowledge with the scientific literature to select specific indicators that can be used to predict future ecosystem states under different management scenarios. This will highlight the importance of on-going monitoring and how communities can help find local solutions.

When: Thursday 12th September 2013 7.30 – 9pm Followed by supper
Where: Strathalbyn Natural Resource Centre 6 Catherine Street Strathalbyn

RSVP for catering
Contact Liz Schofield on 0427 802 138
Or email liz.schofield@gwlap.org.au

Community Advisory Panel Communique

June 2013 meeting #9

- School Engagement and Curricula
- Lake Albert Scoping Study
- Minister for Sustainability, Environment and Conservation – The Hon. Ian Hunter comments
- Ngarrindjeri Regional Authority Update
- Lakes Hub Funding
- Ecological Character Description
- Major Projects Update
- Water Resources Report
- The Living Murray Update
- Naming of the Plantings and Infrastructure Constraints

You can download the full meeting report at the Lakes Hub website:

www.lakeshub.com/category/cap/communique/

Community Advisory Panel Contact:
Gemma Cunningham – Community Partnerships
Major Projects DEWNR
Ph. 8204 9453 or Mb. 0427 018 783
E. gemma.cunningham@sa.gov.au



Government of South Australia
Department of Environment,
Water and Natural Resources

The CAP Communique

**Coorong, Lower Lakes and Murray Mouth
Community Advisory Panel (CAP)**

Meeting #9 – 13/6/2013

The Wine Centre, Langhorne Creek

Communique

School Engagement and Curricula – Chris Bagley

Chris explained to the CAP that the Basin Plan needs support from an informed citizenry to fulfil its potential for rational governance of the river system. He said that the CAP can use its influence to press SA Government to ensure that the SA school curricula will provide every school student who reaches Year 12 with a comprehensive understanding of the vital river system. Chris wants support from the CAP for his proposal for compulsory curricula on Murray Darling Basin. Chris believes that this presents worlds best practice for critical issues for this century in the management of river systems. He also believes that this presents a wonderful opportunity to offer a solid grounding for young people and thus creating informed citizens who are custodians of the Basin. Has the potential to show how a river system can be shared sustainably across Australia and Chris says that it is our responsibility. There is an opportunity for younger generations to be on the front foot for issues which are critically important.

Lake Albert Scoping Study – Neil Shillabeer and Clem Mason

Neil advised that the Lake Albert Scoping Study Working Group has met on numerous occasions with site visits and round table discussions on engineering, modelling and structures, lake cycling and history and benefits. Neil advised that the final draft of preliminary modelling report was received from WBM. This work included a review of previous modelling, consideration of each potential management action conceptually (without active modelling), and calculations of salt balance in Lake Albert. He also said that they are currently procuring the services of WBM and the internal modelling group to undertake the scenario modelling (mid June to September). Neil advised that Square Holes have undertaken a community engagement study in Lake Albert region. He said that they have provided initial feedback that the community was very enthusiastic, passionate and a pleasure to work with and that the draft report has been received and is presently undergoing internal review before being sent to the various project groups (Community Reference Group, Steering Committee, and Project Advisory Group) and eventually will be circulated to the CAP and general public. Neil advised that a Talking Heads session is being planned at the Meringue Hub for 23rd July (to be advertised in the Labelander). This is an opportunity to update the broader community on project progress (community requirements study results, preliminary modelling and engineering feasibility in particular) and the next steps for the project. Neil said that a project update provided to the Yalwer

On the Level

DATE 12th August - 16th August 2013

Lake Levels (AHD)

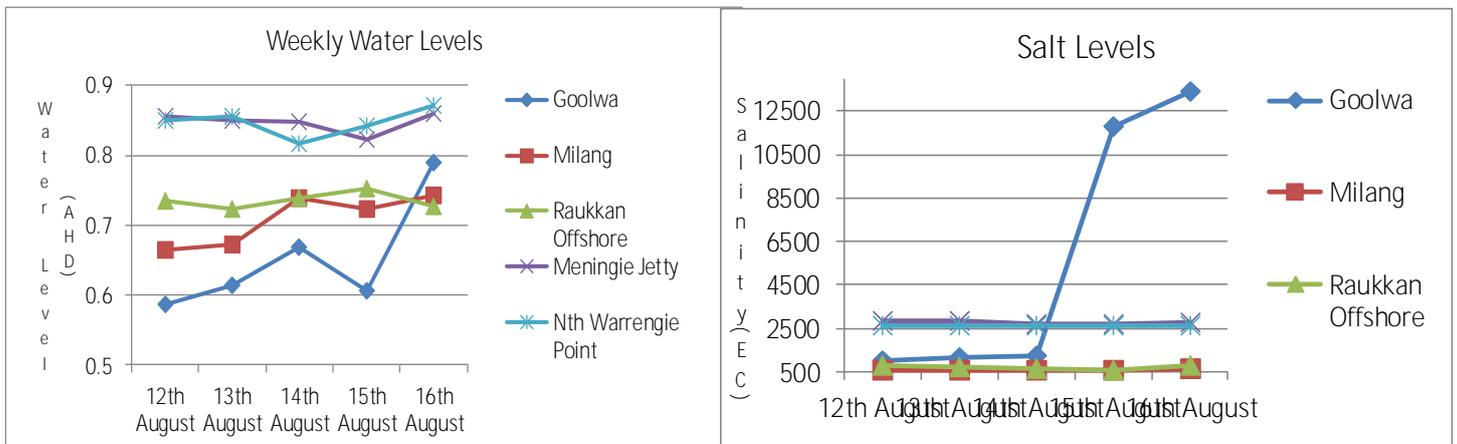
Date	Goolwa	Milang	Raukkan Offshore	Meningie Jetty	Nth Warrengie Point
12th August	0.586	0.665	0.734	0.856	0.851
13th August	0.614	0.673	0.724	0.85	0.855
14th August	0.669	0.739	0.739	0.849	0.816
15th August	0.606	0.723	0.752	0.822	0.842
16th August	0.789	0.743	0.727	0.859	0.871
Average	0.653	0.709	0.735	0.847	0.847

Salt Levels (EC)

Date	Goolwa	Milang	Raukkan Offshore	Meningie Jetty	Nth Warrengie Point
12th August	1025	590	761	2852	2622
13th August	1152	584	734	2828	2625
14th August	1203	590	656	2669	2626
15th August	11758	561	560	2668	2623
16th August	13379	638	763	2770	2647
Average	5703	593	695	2757	2629

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.



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.dfw.gov.au), [River Murray Storage Data](http://www.dfw.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

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.

August 2013	
19	August 19-25 Keep Australia Beautiful Week www.kab.org.au
20	
21	CLLMM Quarterly Project Officer meeting 10.30am ph Lakes Hub 8537 0808 info@lakeshub.com
22	NRM Ed Free PD session Bush Tucker & Indigenous Plant Use Mt Barker Primary School ph 8532 9134
23	
24	
25	25-31 August Cool Australia's EnviroWeek "young Australians creating a sustainable future" www.enviroweek.org
26	
27	Eco-wise Action course starts Tuesdays (4 weeks) 1.30-4.30pm Ace Space MOSHCC ph 8537 0687
28	
29	
30	Nursery & Garden Industry SA Pest & Disease Workshop Urrbrae 9am-2pm for info: gdalwood@ngisa.com.au
31	
September 2013	
1	September is National Biodiversity month! www.environment.gov.au/biodiversity/month.html 1st September is National Wattle Day www.wattleday.asn.au
2	Eco-wise Action course Tuesdays 1.30-4.30pm Ace Space MOSHCC ph 8537 0687
3	
4	National Walk to Work Day www.walk.com.au
5	Friends of Meningie Meeting 4pm Lakes Hub Meningie 8575 1830 Opal & NRM Ed Free PD session Sustainable School Gardens Mypolonga Primary School ph 8532 9134
6	
7	Threatened Species Day (commemorating the death of the last Tasmanian tiger at Hobart Zoo in 1936) Intro to Bird Watching and Monitoring 9-3 John Gitsham Strathalbyn NRC book 8580 1830 danielle.packer@sa.gov.au
8	National Bilby Day www.savethebilbyfund.com
9	
10	Eco-wise Action course Tuesdays 1.30-4.30pm Ace Space MOSHCC ph 8537 0687
11	
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17	Eco-wise Action course Tuesdays 1.30-4.30pm Ace Space MOSHCC ph 8537 0687
18	
19	
20	

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