Australian Government

Murray–Darling Basin Authority

4th Basin Salinity Forum

Mantra Albury
524 Smollett Street
Albury, NSW 2640

Post-La Niña catchment salinity responses

Forum held on Wednesday 29 November 2023, followed by field visits on Thursday 30 November 2023

Invitation and program

An event for Commonwealth, State and regional government agencies

Day 1 – Wednesday 29 November 2023

Time	Agenda	Presenter	Topic
8.30 – 9.00	**Registrations open (tea and coffee on arrival)**		
9.00 – 9.15	**Welcome**	Campbell Fitzpatrick Lead Auditor, Independent Audit Group for Salinity 2023	
9.15 – 10.00	**Keynote Speaker**	Don Bruce Chair of Little River Landcare Group	Catchment salinity change management from a landholder and Landcare perspective in Central West NSW
10.00 – 10.25	**Session 1** *River Management*	Darren Baldwin Principal - Rivers and Wetlands, Adjunct Research Professor - Charles Sturt University	Impact of climate change on water quality in the southern Murray-Darling Basin – welcome to the new normal
10.25 – 10.50		Warwick Mawhinney Senior Water Quality Officer, NSW Department of Planning and Environment	Using a water quality allowance to dilute salinity in the Lachlan River at Cowra
10.50 – 11.15		Greg Holland Feehan Consulting	'Watching the shop' – a revised Basin Salinity Management approach to salinity accountability in dryland landscapes
11.15 – 11.45	**Morning break**		
11.45 – 12.10	**Session 2** *State Salinity Presentations*	**New South Wales** Allan Nicholson & Andrew Wooldridge NSW Department of Planning and Environment	The complexity of salinity management in catchments - a Lachlan Catchment perspective
12.10 – 12.35		**Victoria** Phil Dyson Project Manager, North Central CMA	Drowning the Myths: the impact of flooding on groundwater within the Gunbower Forest

Day 1 – Wednesday 29 November 2023 (continued)

Time	Agenda	Presenter	Topic
12.35 – 13.00		**South Australia** Juliette Woods Principal Groundwater Modeller, South Australian Department for Environment and Water	Post-flood salinity impacts in South Australia: historical data and modelling
13.00 – 14.00	**Lunch break**		
14.00 – 14.25		**Queensland** Kristie Williams Land Resource Officer, Queensland Government Department of Resources	Current salinity issues in the Queensland Murray-Darling Basin
14.25 – 14.55	**Session 3** *BSM2030 Knowledge Priorities*	Huade Guan Associate Professor in Hydrology, College of Science & Engineering, Flinders University	Monitoring and modelling understorey evapotranspiration on a floodplain with heterogeneous vegetation cover
14.55 – 15.20		Chenming Zhang Research Fellow, Geotechnical Engineering Centre, University of Queensland	Water and salt transport at the Lower River Murray Floodplain during environmental watering, flooding and drying
15.20 – 15.45		Dave Appels & Tim Cummins Frontier Economics	Demonstrating and quantifying the significant benefits of collective salinity management in the Murray-Darling Basin
15.45 – 16.00	**Afternoon break**		
16.00 – 16.15		Jess Thompson Basin Salinity Management 2030, Murray-Darling Basin Authority	Launch of the Floodplain Processes Body of Knowledge website
16.15 – 16.30	**Forum wrap up**	Campbell Fitzpatrick Lead Auditor, Independent Audit Group for Salinity 2023	

Day 2 – Thursday 30 November 2023 – Field visits

Time	Topic	Agenda
8.00 for 8.25	**Departure from Albury**	
8.25	**Depart Albury**	Depart on group tour bus
9.15 – 11.45	**Salinity & hydrogeological landscapes (HGL) landcare site**	Stop 1 – Iron Pot Lane, Burrumbuttock (Burrumbottock HGL) Stop 2 – Habermanns Rd, Burrumbuttock (Walla Walla HGL) Stop 3 (main stop) – Cannings Rd, Burrumbuttock (Brocklesby HGL)
11.45 – 12.30	**Lunch**	Lunch at Wirraminna Environmental Education Centre
13.00 – 13.45	**Billabong Creek Salt Interception Scheme**	Arrive at Billabong Creek Salt Interception Scheme (Billabong HGL / Ryan HGL)
13.45	**Depart**	Depart Billabong Creek Salt Interception Scheme
14.30	**Arrive back at Albury**	