Coorong, Lower Lakes and Murray Mouth





The Coorong, Lower Lakes and Murray Mouth is an important biodiversity hotspot and is one of 10 major havens for large concentrations of wading birds in Australia. The site contains a unique mosaic of 23 wetland-types ranging from the freshwater Lower Lakes to the Coorong's hypersaline south lagoon.

Traditional Owners in this area are the Ngarrindjeri and First Nations of the South East.

Black bream recruitment in the Coorong

Black bream are estuarine fish common across southern Australia, however the Coorong population has been in severe decline since the late 1980s.

In October 2017, commercial fishers reported aggregations of black bream below the barrages. The fish were in good condition and ready to spawn. This prompted water managers, scientists and the community to work together to deliver water to the Coorong to support their spawning and recruitment.

Between October 2017 - February 2018, around 500 GL of water for the environment was delivered. The summer flows created a 'salt wedge', where freshwater sits above salt water. Salt wedges are needed to keep black bream eggs and larvae buoyant so they can develop and grow. The following autumn, scientists recorded more than 100 tiny black bream in the Coorong, meaning the targeted flow delivery was a success.

A similar flow event was delivered in summer 2021/22, with an even bigger recruitment response recorded the following autumn. The Coorong's black bream population is possibly in the best condition in 40 years, thanks to water for the environment and targeted fishing restrictions.



Ngarrindjeri Yarning Circles

The Ngarrindjeri Aboriginal Corporation's Yarning Circles project documented Ngarrindjeri cultural values and priorities, to inform water management on Ngarrindjeri Ruwe (Country). In 2021, six Yarning Circles were held with members of the Ngarrindjeri community and departmental staff.

Key themes that emerged included the importance of conserving Ngartjis (totemic species) including Pondi (Murray cod), Kultawari (yabbies) and Kungari (swans), along with maintaining water quality, the need to practice culture; and looking after Yarluwar-Ruwe (sea-country). The findings have guided The Living Murray program priorities, increasing the monitoring of Ngartjis and community engagement on Ngarrindjeri Ruwe.

"Sitting on the banks of the river, connecting to country and family, yarning and triggering our memories of what the land and river looked like. Brothers, grandchildren, and my great grandson all there participating in our journey from the past. Yarns about the river, the land, food, hunting and how the environment was our food source for our survival." - Vicki Hartman.

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		07/08	08/09	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	Sept.
	Fish	D	D	С	D	В	В	С	С	С	В	С	С	С	В	A	С	
	Birds	D	D	D	D	A	A	A	A	D	D	D	D	D	D	D	D	No.
	√ Vegetation	В	В	В	C	C	В	В	В	C	В	C	C	D	В	В	A	1
26	Other	D	D	D	В	A	A	A	В	A	В	В	В	C	C	В	В	A STATE

Grades

Excellent
Most (75-100%) of ecological
objectives have been met

B Good

More than half (50-74%) of ecological objectives have been met

Fewer than half (25-49%) of ecological objectives have been met

D

Needs attention Few (0-24%) of ecological objectives have been met Data not available

