



Australian Government

Commonwealth Environmental Water Holder



Monitoring Evaluation Research



### Selected Area

### Outcomes Highlights

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[www.flow-mer.org.au](http://www.flow-mer.org.au)



### Junction of Warrego and Darling [Link to newsletters](#)



Mixing of the Warriku (Warrego) and Baaka (Darling) waters, supported an increase in basal resources (food) for fish and waterbirds in the Baaka (Darling) River.



Environmental water contributed to turtle recruitment in the Warriku (Warrego) River, with Murray River turtle hatchlings observed in Boera Dam.

### Gwydir River System [Link to newsletters](#)



A threatened ecological community in the Lower Guwayda (Gwydir) Wetlands was observed to be in good condition this year. Wetland vegetation continues to respond positively to the wet conditions.



The Gomeri Warrambools in the Gwydir Wetlands interactive story map was published, bringing together the main cultural and environmental components of the Gwydir Warrambools.

### Lachlan River System [Link to newsletters](#)



Environmental water has helped to support an increase in plant diversity and cover, including common nardoo and tall spikerush.



Flow-MER scientists joined students at Lake Cargelligo for the Down the Track program. Students learned about the importance and role of macroinvertebrates.

### Murrumbidgee River System [Link to newsletters](#)



54 waterbirds species were recorded during biannual ground surveys, including the endangered Australasian bittern and red-necked stint. Environmental water in Gayini wetlands has supported at least five species of conservation significance.



Golden perch, silver perch and southern bell frogs were found during monitoring in the Lowbidgee floodplain and mid-Murrumbidgee in September.

### Edward/Koety-Wakool river system [Link to newsletters](#)



Lignum seedlings have been observed en masse around Yallakool Creek and the Wakool River for the first time since the 2016-17 flooding event.



Side-scan sonar surveys occurred in September the Yallakool Creek and Upper Wakool River, with researchers reviewing the images closely for signs of freshwater mussels. Any findings yet?



Six small-bodied native fish species were found. eDNA metabarcoding detected four additional native fish species.

### Lower Murray River [Link to newsletters](#)



Research examined the diet of early life stage Murray cod - environmental water to support food sources may be vital to supporting Murray cod larvae and juvenile survivorship.



The Flow-MER team attended the 64th Riverland Field Days for a 2<sup>nd</sup> consecutive year. A total of 450 people walked through the PIRSA stall, many speaking with the Flow-MER team about their monitoring and research work.

### Goulburn River [Link to newsletters](#)



Environmental water was released from Lake Eildon in September during a spring fresh, providing stable flows downstream during the Goulburn Fishing Festival.



Greater Shepparton Secondary College students joined Flow-MER scientists on the banks of the Goulburn River to learn about environmental flows, macroinvertebrates, geomorphology, and techniques used to monitor the river.