



We acknowledge the First Nations peoples as the Traditional Owners and Custodians of the lands, waterways and skies of the Murray-Darling Basin. We respect their continuing connection to culture and Country, and we thank them for their knowledge and science and the values reflected in these data.

Flow-MER Waterbird Diversity

Dataset name	Flow-MER Waterbird Diversity 2014-2023		
Dataset citation	CEWH (2024) Waterbird Diversity. Flow-MER Program. Commonwealth Environmental Water Holder, Australian Government Department of Climate Change, Energy, the Environment and Water. Sourced from https://data.gov.au/data/dataset/flow-mer-waterbird-diversity on [date-sourced].		
Description	<p>Waterbird species counts in three Selected Areas of the CEWH's Flow-MER program (the Murrumbidgee River, Gwydir river system and Junction of the Warrego and Darling Rivers. Counts are recorded from a representative part of the wetland and the proportion sampled is recorded.</p> <p>The CEWH's Flow-MER program examines the contribution of Commonwealth environmental water to the environmental objectives of the Basin Plan 2012 (Basin Plan) and is assisting the CEWH to demonstrate environmental outcomes and adaptively manage the water holdings. Monitoring and evaluation is focused in seven Selected Areas: the Junction of the Warrego and Darling rivers, Gwydir river system, Lachlan river system, Murrumbidgee river system, Edward/Kooley-Wakool river system, Goulburn River and Lower Murray River.</p> <p>This Flow-MER data set includes and extends the long-term data collected at the same sites during the Long Term Intervention Monitoring (LTIM) project (2014-2019).</p>		
Currency	Date from: 1/7/2014		
	Date to: 30/6/2023		
Spatial domain	Jurisdiction/Location: Murray-Darling Basin		
	Geographic extent:		
	<div><div>138.568</div><div><div>-24.586</div><div>-37.682</div></div><div>152.489</div></div> Coordinate system: GDA1994, EPSG 4283		
Dataset status	Progress: Ongoing		
	Maintenance and update frequency: Annually within the life of the Flow-MER project		
Attributes	Attribute Name	Description	Data Type
	Program	The name of the Flow-MER Selected Area in which the data were collected	text
	samplePoint	Name of the sampling site along a river or in a wetland within which the samples are located	text
	Description	Optional description of the SamplePoint	text
	Latitude	Decimal degrees	number
	Longitude	Decimal degrees	number
	sampleDate	Unique date-time stamp that is used to identify each data record.	dateTime
	sampleDateStart	Start date (inclusive) that these measures were observed	dateTime
	sampleDateEnd	End date (exclusive) that these measures were observed	dateTime
	evaluationCode	E1 = data collection by category 1 or 2 standard method AND processed as required for Basin evaluation. E2 = data collection by category 1 or 2 standard method AND processed for using non-standard method for selected area evaluation E3 = data collection and processing using selected area specific methods (category 3)	category

	speciesCode	Australian Faunal Directory (AFD) identifier code for the species	number
	speciesName	Waterbird species Latin name matching the AFD code	category
	vegCommunity	The vegetation community in which the specified species in the colony was observed.	category
	abundance	Number of individuals of the specified species that were observed	number
	breedEvidence	Boolean value indicating whether there was evidence of breeding for the specified species	boolean
	propSurveyed	Proportion of the wetland that was surveyed	number
	comment	Optional comment to aid interpretation of each data record for the sampleDate time stamp.	text
Data quality	Lineage: Exported from the MDMS 19/12/2023		
	Positional accuracy: Locations accurate to 4 decimals but actual monitoring data collected at these locations can be up to 1km from the nominated point		
	Attribute accuracy: Direct export from the MDMS without further processing		
	Logical consistency: Sample point names are unique within the program		
	Completeness: Complete export from the MDMS		
Access and License	Published Data Landing Page: https://data.gov.au/data/dataset/ef9e842d-d574-4445-802b-74721ba0740f		
	Distribution format: CSV tabular data		
	Access constraints: Creative Commons license CC BY-SA 4.0 Attribution-ShareAlike 4.0 International). https://creativecommons.org/licenses/by-sa/4.0/ Attribution — You must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use. ShareAlike — If you remix, transform, or build upon the material, you must distribute your contributions under the same license as the original. redistribute the material in any medium or format must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use.		
	Copyright: ©2024 Commonwealth of Australia, Flow-MER program		
Contributors	Flow-MER project Selected Areas: Gwydir river system (University of New England), Lachlan river system (University of Canberra), Murrumbidgee river system (Charles Sturt University) Flow-MER acknowledges the First Nations peoples as the Traditional Owners and Custodians of the lands, waterways and skies of the Murray-Darling Basin. We respect their continuing connection to culture and Country, and we thank them for their knowledge and science and the values reflected in these data.		
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Maintainer	Flow-MER Basin scale project Shane Brooks (Flow-MER data manager) https://brooks.eco/contact		
Metadata information	Metadata date: 7/10/2024		