



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 Frog Abundance

Dataset name	Flow-MER Frog Abundance 2014-2022		
Dataset citation	CEWH Flow-MER (2023) Frog Abundance. Flow-MER Program. Commonwealth Environmental Water Holder, Australian Government Department of Climate Change, Energy, the Environment and Water. Sourced from <a href="https://data.gov.au/data/dataset/flow-mer-frog-abundance">https://data.gov.au/data/dataset/flow-mer-frog-abundance</a> on [date-sourced].		
Description	<p>Frog diversity and abundance and tadpole counts are measured annually by the Flow-MER program in wetlands of the Murrumbidgee river system and Gwydir river system. An earlier contribution (2015) from the Lachlan River is also included.</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/Kolety-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	<p><b>Date from:</b> 1/7/2014</p> <p><b>Date to:</b> 30/6/2022</p>		
Spatial domain	<p><b>Jurisdiction/Location:</b> Murray-Darling Basin</p> <p><b>Geographic extent:</b></p> <div style="text-align: center;"> <p style="margin: 0;">-24.586</p> <p style="margin: 0;">138.568      152.489</p> <p style="margin: 0;">-37.682</p> </div> <p><b>Coordinate system:</b> GDA1994, EPSG 4283</p>		
Dataset status	<p><b>Progress:</b> Ongoing</p> <p><b>Maintenance and update frequency:</b> Annually within the life of the Flow-MER project</p>		
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 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
	speciesCode	Australian Faunal Directory species Biocode	number
	speciesName	Latin name for species of frog	text
	CPUEAdults	Mean of catch per unit effort	number
	callingEvidence	Y/N frogs of speciesName heard calling	text
	CPUETadpoles	Mean of catch per unit effort	number
	vegCommunity	The vegetation community that has been sampled from one or more quadrats within the	category

		sample point. All quadrats of the same vegCommunity type are collated to provide the summary statistics of vegetation cover.	
	comments	Optional comment to aid interpretation of each data record for the sampleDate time stamp.	text
Data quality	<p><b>Lineage:</b> Exported from the MDMS 27/01/2023</p> <p><b>Positional accuracy:</b> Locations accurate to 4 decimals but actual monitoring data collected at these locations can be up to 1km from the nominated point</p> <p><b>Attribute accuracy:</b> Direct export from the MDMS without further processing</p> <p><b>Logical consistency:</b> Sample point names are unique within the program</p> <p><b>Completeness:</b> Complete export from the MDMS</p>		
Access and License	<p><b>Published Data Landing Page:</b> <a href="https://data.gov.au/data/dataset/304f9db6-4506-40de-9ff0-cb32b0705ecf">https://data.gov.au/data/dataset/304f9db6-4506-40de-9ff0-cb32b0705ecf</a></p> <p><b>Distribution format:</b> CSV tabular data</p> <p><b>Access constraints:</b> Creative Commons license CC BY-SA 4.0 Attribution-ShareAlike 4.0 International). <a href="https://creativecommons.org/licenses/by-sa/4.0/">https://creativecommons.org/licenses/by-sa/4.0/</a> 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.</p> <p><b>Copyright:</b> ©2023 Commonwealth of Australia, Flow-MER program</p>		
Contributors	<p>Flow-MER project Selected Areas: Gwydir river system (University of New England), Lachlan river system (University of Canberra), Murrumbidgee river system (Charles Sturt University)</p> <p>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 thank them for their knowledge and science and respect their continuing connection to culture and Country and the values reflected in these data.</p>		
Custodian	Commonwealth Environmental Water Holder (CEWH), Department of Climate Change, Energy, the Environment and Water		
Contact	Commonwealth Environmental Water Holder (CEWH) cewomonitoring@dcceew.gov.au		
Maintainer	Flow-MER Basin scale project Shane Brooks (Flow-MER data manager) <a href="https://brooks.eco/contact">https://brooks.eco/contact</a>		
Metadata information	<b>Metadata date:</b> 9/10/2023		