



*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 MDB managed floodplain

Dataset name	Flow-MER MDB managed floodplain		
Dataset citation	CEWH (2024) Flow-MER MDB managed floodplain. 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-managed-floodplain">https://data.gov.au/data/dataset/flow-mer-managed-floodplain</a> on [date-accessed]		
Description	<p>This data set extends the MDBA published Murray-Darling Basin managed floodplain (<a href="https://data.gov.au/data/dataset/murray-darling-basin-managed-floodplain">https://data.gov.au/data/dataset/murray-darling-basin-managed-floodplain</a>) to include all areas watered with Commonwealth environmental water 2014-2021. Areas that are added are mapped by polygons from the ANAE classification of the Murray-Darling Basin data set that were identified as receiving inundation by Commonwealth environmental water by the Commonwealth Environmental Water Holder’s (CEWH) Long Term Intervention Monitoring (LTIM) project (2014-2019) and the first two years of the Monitoring, Evaluation and Research (Flow-MER) program.</p> <p>The MDBA published Murray-Darling Basin managed floodplain (<a href="https://data.gov.au/data/dataset/murray-darling-basin-managed-floodplain">https://data.gov.au/data/dataset/murray-darling-basin-managed-floodplain</a>) is a spatial data set that estimates the extent of the Murray-Darling Basin that can be influenced by environmental water under the Basin Plan. It includes:</p> <ul style="list-style-type: none"><li>actively managed areas that can receive environmental water via large headwater storages or via The Living Murray ‘environmental works’ sites on the River Murray floodplain</li><li>passively managed areas that receive environmental water via flow rules in water resource plans or via natural events</li><li>areas that may be inundated with high flows if key constraints are overcome</li></ul> <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. For more information on methods and reporting using these data see <a href="https://www.dcceew.gov.au/water/cewo/monitoring/mer-program">https://www.dcceew.gov.au/water/cewo/monitoring/mer-program</a>.</p>		
Currency	<b>Date from:</b> 1/7/2014 <b>Date to:</b> 30/6/2023		
Spatial domain	<p><b>Jurisdiction/Location:</b> Murray-Darling Basin</p> <p><b>Geographic extent:</b></p> <div><div><div>138.568</div><div>-24.586</div><div>-37.682</div><div>152.489</div></div></div> <p><b>Coordinate system:</b> GDA1994, EPSG 4283</p>		
Dataset status	<b>Progress:</b> Complete <b>Maintenance and update frequency:</b> May be updated within the life of the Flow-MER project if new areas are watered		
Attributes	Attribute Name	Data Type	Description
	ValleyName	String	Name of the Valley each polygon is in – Valleys defined by the Flow-MER project – published as CEWO Murray-Darling Basin valley boundaries <a href="https://data.gov.au/data/dataset/75910bc5-6c3e-40e8-9c8a-1e895274badb">https://data.gov.au/data/dataset/75910bc5-6c3e-40e8-9c8a-1e895274badb</a>

	Source	String	Designates the source data sets as MDBA (the original map) and Flow-MER (the additions where environmental water has been used since 2014)
	AreaHa	number	Area in Hectares (Albers Equal Area Projection)
Data quality	<p><b>Lineage:</b> Based on the MDBA “Managed floodplain with current constraints” and “Floodplain in undeveloped valleys” <a href="https://data.gov.au/data/dataset/9f97aebc-d89e-48ae-8586-67120a8cfcfa">https://data.gov.au/data/dataset/9f97aebc-d89e-48ae-8586-67120a8cfcfa</a> Additional areas are derived from ANAEv3 polygons (Australian National Aquatic Ecosystems classification of the Murray-Darling Basin) that intersected areas inundated with Commonwealth environmental water during the Flow-MER project – mapped as watercourses <a href="https://data.gov.au/data/dataset/efbf86d4-7618-4cac-b3fd-47a862273b83">https://data.gov.au/data/dataset/efbf86d4-7618-4cac-b3fd-47a862273b83</a> and wetlands and floodplain <a href="https://data.gov.au/data/dataset/6a64f124-035b-4f71-9bc5-4bbb322b0267">https://data.gov.au/data/dataset/6a64f124-035b-4f71-9bc5-4bbb322b0267</a></p> <p><b>Positional accuracy:</b> Unknown but estimated likely within +/- 500m</p> <p><b>Attribute accuracy:</b> Good</p> <p><b>Logical consistency:</b> Source determined during GIS processing. The MDBA managed floodplain was used as the master template to erase the ANAE polygons in overlapping areas. Valley names assigned by GIS “nearest” analysis. The logic supporting the original estimation of the managed floodplain by MDBA is unknown to this data set author.</p> <p><b>Completeness:</b> Complete extent of the managed floodplain data available for the Basin</p>		
Access and License	<p><b>Distribution Landing Page:</b> <a href="https://data.gov.au/data/dataset/e0b22d8a-9407-4716-aa41-da8d534e6b36">https://data.gov.au/data/dataset/e0b22d8a-9407-4716-aa41-da8d534e6b36</a></p> <p><b>Distribution format:</b> Shapefile</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> ©2024 Commonwealth of Australia, Flow-MER program</p>		
Contributors	<p>Flow-MER Basin-scale project: Shane Brooks. Ecosystem Diversity leader MDBA</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 respect their continuing connection to culture and Country, and we thank them for their knowledge and science and the values reflected in these data.</p>		
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Metadata information	<b>Metadata date:</b> 11/09/2024		