Australian Government
Commonwealth Environmental Water Holder

FLOW Monitoring Evaluation Research

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.

Frequency of Commonwealth environmental water - watercourses

Dataset name	CewWatercourses_frequency_2014-2023		
Dataset citation	CEWH (2024) Frequency of Commonwealth environmental water - watercourses. 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-cew-frequency-watercourses on [date-sourced].		
Description	Geofabric watercourse lines in the Murray-Darling Basin mapping the annual frequency of Commonwealth environmental water in each 12-month water accounting year (1st July to 30th June). River lines are extracted from the Australian Hydrological Geospatial Fabric (Geofabric) v3.2 SH_Network. http://www.bom.gov.au/water/geofabric/index.shtml Compiled by the Flow-MER Basin scale project. 2014-2019 data based on information from the Long Term Intervention Monitoring (LTIM) project.		
Currency	**Date from:** 1/7/2014		
	Date to: 30/6/2023		
Spatial domain	**Jurisdiction/Location:** Murray-Darling Basin		
	Geographic extent: -24.586 138.568 152.489 -37.682		
	Coordinate system: GDA1994, EPSG 4283		
Dataset status	**Progress:** Complete		
	Maintenance and update frequency: May be updated within the life of the Flow-MER project if new areas are watered		
Attributes	**Attribute Name**	**Data Type**	**Description**
	ValleyName	text	Name of the Valley
	ValleyID	text	Integer identifier for each Valley
	Area_km2	number	Area in square kilometres
	Hectares	number	Area in Hectares (Albers)
	ValleyCode	text	3 letter unique abbreviation of ValleyName
Data quality	**Lineage:** Based on the Australian Hydrological Geospatial Fabric (Geofabric) v3.2 SH_Network.gdb data set AHGFNetworkStream feature class. River segments between water storages and destination waterways, wetlands and floodplains identified by cross referencing to CEWH water accounting acquittal reports and conversations with water managers. The Long-Term Intervention Monitoring (LTIM) project (2014-2019) used the ANAE river line mapping and previous Geofabric v2. These were transferred to the Geofabric v3 at the start of Flow-MER in 2019 using GIS spatial joins to select the appropriate river segments so the entire period of record from 1/07/2014 to current is mapped using the same consistent Geofabric v3.2 data river segment mapping.		
	Positional accuracy: Geofabric products are based on multi-scale (1:25,000-1:250,000) mapped features and the 1 second digital elevation model (DEM). nominal scale of 1:100,000		
	Attribute accuracy: Refer Geofabric v3 documentation http://www.bom.gov.au/water/geofabric/documentation.shtml		

	Logical consistency: Refer Geofabric v3 documentation http://www.bom.gov.au/water/geofabric/documentation.shtml
	Completeness: Single line representation of rivers is indicative of the longitudinal extent of Commonwealth environmental water in river channels but does not include all parts of channels and does not accurately represent multi-channel braided rivers. Also excludes areas of inundation by Commonwealth environmental water outside of river channels (floodplain and wetland inundation) -refer data set "frequency of Commonwealth environmental water - wetland and floodplain inundation" https://data.gov.au/data/dataset/6a64f124-035b-4f71-9bc5-4bbb322b0267
Access and License	**Distribution Landing Page:** https://data.gov.au/data/dataset/efbf86d4-7618-4cac-b3fd-47a862273b83
	Distribution format: Shapefile
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Metadata information	**Metadata date:** 8/10/2024