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Flow-MER Vegetation Recruitment

Dataset name	Flow-MER Vegetation Recruitment 2014-2022
Dataset citation	CEWH Flow-MER (2023) Vegetation Recruitment. 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-vegetation-recruitment on [date-sourced].
Description	Counts of seedling recruitment in vegetation plots collected as part of the Commonwealth Environmental Water Holder (CEWH) Flow-MER program in the Murray-Darling Basin. 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. 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).
Currency	**Date from:** 1/7/2014
	Date to: 30/6/2021
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:** Ongoing
	Maintenance and update frequency: Annually within the life of the Flow-MER project

Attributes	Attribute Name	Description	Data Type
	SamplePoint	A wetland, complex of wetlands, area of floodplain or area along a stream, represented by either a name or a broad polygon, within which the sampled quadrats fall	string
	Description	Optional description of the Sample Point	string
	Latitude	Decimal degrees	number
	Longitude	Decimal degrees	number
	sampleDate	Unique date-time stamp that is used to identify each data record.	dateTime
	Program	The name of the Flow-MER Selected Area in which the data were collected	
	tripNumber	Identifier for a sampling trip to group samples across dates, within a flow delivery season.	integer
	transectID	Unique identifier for each transect (enter zero if not applicable)	string
	samplingUnitID	Unique identifier for each sampling unit (may be within a transect)	string
	samplingUnitType	Description of sampling unit varies because of different methods being used.	category

	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
	speciesName	Latin species name or agreed pseudo-name for taxa not identified to species	string
	stage0Recruit	Count of seedlings <0.2m	number
	Stage1Recruit	Count of seedlings 0.2m to <0.5m in height	number
	Stage2Recruit	Count of seedlings 0.5m to <1.3m in height	number
	Stage3Recruit	Count of seedlings 1.3m to 3m in height	number
	Stage4Recruit	Count of seedlings >3m in height	number
	comment	Optional comment to aid interpretation of each data record for the sampleDate time stamp.	text

Data quality	**Lineage:** Exported from the MDMS 15/02/2023
	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/c9bf46ae-dd81-4fc8-a349-4ea02de621e4
	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: ©2023 Commonwealth of Australia, Flow-MER program
Contributors	Data provided by Flow-MER program Selected Area teams: Junction of the Warrego and Darling Rivers and Gwydir river system (University of New England), Lachlan river system (University of Canberra), Murrumbidgee river system (Charles Sturt University), Edward/Kolety-Wakool river system (Charles Sturt University), Goulburn River (Arthur Rylah Institute).
	The Commonwealth Environmental Water Holder and Flow-MER program 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.
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) https://brooks.eco/contact

Metadata information	**Metadata date:** 6/11/2023