

METADATA STATEMENT	
Acknowledgement	These data were collected for the Commonwealth Environmental Water Office by a large number of organisations, institutions, jurisdictions and other stakeholders working collaboratively on the Long Term Intervention Monitoring Project. We acknowledge 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.
Name of dataset or data source	Long-Term Intervention Monitoring (LTIM) Project data - Vegetation
Custodian of the dataset or data source	Shane Brooks (LTIM Data Manager)
Publisher/Agency	Commonwealth Environmental Water Office (CEWO), Department of Climate Change, Energy, the Environment and Water
Description	<p>The CEWO's LTIM Project examined the contribution of Commonwealth environmental water to the environmental objectives of the <i>Basin Plan 2012</i> (Basin Plan) and assisted the CEWO to demonstrate environmental outcomes and adaptively manage the water holdings. Monitoring and evaluation was 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. These areas will continue to be monitored through the CEWO's Monitoring, Evaluation and Research (MER) Program.</p> <p>Data collected by monitoring at Selected Areas is used to evaluate local outcomes from watering and also contributed to the analysis and evaluation of Basin Plan objectives.</p> <p>Conservation of riverine and wetland vegetation diversity is a key objective of the Basin Plan, and was a core element investigated at the Basin-scale in the LTIM Project.</p> <p>Vegetation diversity data was collected and used over the duration of the LTIM Project from 2014-15 to 2018-19 from four wetland Selected Areas (Gwydir, Lachlan, Murrumbidgee and junction of Warrego-Darling river systems) and two riverine Selected Areas (Edward/Kooley-Wakool and Goulburn river systems), considering plant species diversity and vegetation community diversity.</p> <p>Data collected* includes the percent cover of plant species present within three vegetation strata (groundlayer, understorey and overstorey) and a range of environmental variables (e.g. soil moisture) at time of sampling.</p> <p>*Data collected from the Edward/Kooley-Wakool river system is limited to Category 3 and does not have the same taxonomic resolution or range of observations as that from other Selected Areas.</p> <p>Please refer to the <i>Murray-Darling Basin LTIM Project: 2018-19 Basin-scale evaluation of Commonwealth environmental water – Vegetation Diversity</i> Report for the detailed method on data used for evaluation.</p>

Quality	The LTIM Project Data Standards (link below) for Vegetation have been designed to provide data appropriate for the evaluation of vegetation outcomes at the Basin Scale. This data may be complemented by a range of existing data sets.
Data inputs	Data used that contributed to the evaluation of Vegetation include: <u>LTIM Selected Area monitoring data</u>
Type	Dataset (excel)
Version	Final
Time period	2014-2019
Links	CEWO LTIM Data Standard (provided in zip file) Murray-Darling Basin LTIM Project: 2018-19 Basin-scale evaluation of Commonwealth environmental water – Vegetation Diversity (https://www.dcceew.gov.au/water/cewo/publications/2018-19-basin-scale-evaluation-cew-report-and-appendices)
Contact	cewomonitoring@environment.gov.au
LTIM contributors	The Murray-Darling Freshwater Research Centre, Eco Logical Australia, University of Canberra, Charles Sturt University, University of Melbourne, South Australian Research and Development Institute (SARDI), Griffith University, University of New England, NSW Office of Environment and Heritage, NSW DPI Fishing and Aquaculture, NSW Office of Water, NSW National Parks and Wildlife Services, Western Local Land Services, Australian Floodplain Association, Future North Western Local Land Services, State Water, Cotton Research and Development Court, Gwydir Valley Irrigator reps, Central Tablelands Local Land Services, University of New South Wales, Riverina Local Land Services, CSIRO, Murray Local Land Services, Monash University, Wakool River Association, Edward-Wakool Angling Association, Western Murray Land Improvement Group, Goulburn Broken Catchment Management Authority, Victorian Environmental Water Holder, Department of Environment, Land, Water and Planning, Goulburn Murray Water, Arthur Rylah Institute, Centre for Aquatic Pollution Identification and Management, SKM, University of Adelaide, South Australian Department of Environment, Water and Natural Resources, Primary Industries and Regions South Australia, South Australia Water, Murray-Darling Basin Authority.
Suggested citation	CEWO-LTIM (2019) Long-Term Intervention Monitoring (LTIM) Project - Vegetation data. Commonwealth Environmental Water Office, Australian Government Department of Climate Change, Energy, the Environment and Water. Sourced on <date sourced>, https://data.gov.au/data/dataset/ltim-project-vegetation