

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 – Biodiversity
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 focused on examining the contribution of Commonwealth environmental water to the environmental objectives of the <i>Basin Plan 2012</i> (Basin Plan), while assisting 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>The Biodiversity component of the LTIM Project evaluated the contribution of Commonwealth environmental water to achieving diversity-related objectives of the Basin Plan by undertaking a qualitative evaluation of expected outcomes of watering actions undertaken by the CEWO.</p> <p>The main data output of the Biodiversity evaluation is an aggregated list of species and communities that potentially benefitted from Commonwealth environmental water from 2014-15 to 2018-19. This is derived from other Basin Matter reports (Vegetation, Fish, Ecosystem Diversity), Selected Area monitoring, the Atlas of Living Australia and monitoring programs external to LTIM (e.g. the Living Murray, Bird Life Australia).</p> <p>Please refer to the <i>Murray-Darling Basin LTIM Project: 2018-19 Basin-scale evaluation of Commonwealth environmental water – Biodiversity</i> Report for the detailed method on data used for evaluation.</p>
Data inputs	<p>Data used that contributed to the evaluation of Biodiversity include:</p> <p><u>LTIM Selected Area monitoring data</u> (frog abundance and diversity, turtle catch, turtle individual, water diversity)</p> <p><u>Atlas of Living Australia</u> waterbird data</p>

Quality	In accordance with the LTIM Project Data Standards (link below), the collected data for the Biodiversity evaluation is of high quality, complete, compatible and in consistent and standardised formats to meet reporting and evaluation needs.
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 – Biodiversity (https://www.dcceew.gov.au/water/cewo/publications/2018-19-basin-scale-evaluation-cew-report-and-appendices) Atlas of Living Australia
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 - Biodiversity 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-biodiversity