Title	Water Modelling-Modelled Data-Long-term average annual extraction limit (LTAAEL)-Paterson
Alternative title(s)	LTAAEL
Abstract	Long-term average annual extraction limit (LTAAEL) is a regulatory limit set on annual water extractions from a river system. It ensures that average extractions over the long term are sustainable, and thus help prevent environmental degradation. In NSW these limits are defined by water sharing plans (WSPs). Every WSP outlines how the water in a river system will be shared over a 10-year period. They also define: • how LTAAEL compliance is to be assessed for each river system • what conditions will trigger noncompliance action • what compliance action can be taken. The Natural Resources Commission regularly reviews all WSPs to ensure extractions from each river system are within the limits set, and the Murray-Darling Basin Authority reviews sustainable diversion limit (SDL) compliance each year. To assess compliance, we model LTAAEL using a model that has been configured to represent the development and management rules defined by a system WSP (this refers to as LTAAEL model). We then compare this modelled LTAAEL with the modelled under current conditions long-term average annual extractions (LTAAEs) (which are usually those modelled by the annual permitted take, or APT, model). Although, the LTAAEL includes multiple types of water use, the compliance assessment is based on the total. We do this annually using the best available models, and the outcomes are published on the DPE website. Where river system's LTAAE exceed LTAAEL, the system is considered noncompliant. If the noncompliance trigger conditions in the WSP are met, noncompliance action is taken. The data set provided contains flows at several gauges in each river system, as simulated by the annually extended LTAAEL model. Notwithstanding the model's inherent limitations, these are a fair representation of those we would expect under WSP operation and development conditions. They can be compared with flows simulated by other key scenario models, such as annual permitted take (APT) model or without development (WOD) model.

Resource locator

Data Quality Statement	Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for Water Modelling-Modelled Data-Long-term average annual extraction limit (LTAAEL) Function: download
210021_Paterson@DS Lostock Dam	Name: 210021_Paterson@DS Lostock Dam Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of WSP scenario model at 27/02/2023 (combined Hunter/Paterson/Williams model) run on software (IQQMv7.91.6). Data set covers period from 01/07/1895 to 30/06/2022. Function: download
210022_Allyn@Halton	Name: 210022_Allyn@Halton Protocol: WWW:DOWNLOAD-1.0-http--download

	Description: The version of WSP scenario model at 27/02/2023 (combined Hunter/Paterson/Williams model) run on software (IQQMv7.91.6). Data set covers period from 01/07/1895 to 30/06/2022. Function: download
210079_Paterson@Gostwyck	Name: 210079_Paterson@Gostwyck Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of WSP scenario model at 27/02/2023 (combined Hunter/Paterson/Williams model) run on software (IQQMv7.91.6). Data set covers period from 01/07/1895 to 30/06/2022. Function: download
210143_Allyn@Flying Fox Lane	Name: 210143_Allyn@Flying Fox Lane Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of WSP scenario model at 27/02/2023 (combined Hunter/Paterson/Williams model) run on software (IQQMv7.91.6). Data set covers period from 01/07/1895 to 30/06/2022. Function: download
Map View for data download	Name: Map View for data download Protocol: WWW:DOWNLOAD-1.0-http--download Description: All the gauges are shown in this map (ESRI Rest Map Service Format), and the data can be downloaded by clicking each gauge in the map. Function: download
Unique resource identifier	
Code	af0e6cb6-8507-4b97-8f34-2517bb82809c
Presentation form	Document digital
Edition	1.0
Dataset language	English
Metadata standard	
Name	ISO 19115
Edition	2016
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/af0e6cb6-8507-4b97-8f34-2517bb82809c
Purpose	The data set provided contains flows at several gauges in each river system, as simulated by the annually extended LTAAEL model. Notwithstanding the model's inherent limitations, these are a fair representation of those we would expect under WSP operation and development conditions. They can be compared with flows simulated by other key scenario models, such as annual permitted take (APT) model or without development (WOD) model.
Status	Completed
Spatial representation type	None

Spatial reference system

Code identifying the spatial reference system	4283

Topic category

Keyword set

keyword value	WATER WATER-Surface
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16

Geographic location

West bounding longitude	150.22
East bounding longitude	151.73
North bounding latitude	-32.73
South bounding latitude	-31.48
NSW Place Name	Paterson

Vertical extent information

Minimum value	-100
Maximum value	2228
Coordinate reference system	
Authority code	urn:ogc:def:cs:EPSG::
Code identifying the coordinate reference system	5711

Temporal extent

Begin position	1895-01-01
End position	N/A

Dataset reference date

Resource maintenance

Maintenance and update frequency	Annually
Contact info	
Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Telephone number	131555
Email address	data.broker@environment.nsw.gov.au
Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew
Responsible party role	pointOfContact

Limitations on public access

Responsible party

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Metadata date

2024-08-20T22:20:12.721725

Metadata language