Title Water Modelling-Modelled Data-Long-term average annual extraction limit (LTAAEL) **Alternative** LTAAEL title(s) Long-term average annual extraction limit (LTAAEL) is a regulatory limit set on **Abstract** 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 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

Show on SEED Web Map Name: Show on SEED Web Map

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

Display dataset on SEED's map

Function: download

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

Metadata Statement -Water Modelling -Modelled Data -LTAAEL Name: Metadata Statement - Water Modelling - Modelled Data - LTAAEL

Protocol: WWW:DOWNLOAD-1.0-http--download

Description:

Associated Metadata relevant to Water Modelling - Modelled Data - LTAAEL

Function: download

data download	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	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 i	identifier	
Code	20519efc-2b62-4928-9d19-6aa4df05b725	
Presentation form	Document digital	
Edition	1.0	
Dataset language	English	
Metadata standa	rd	
Name	ISO 19115	
Edition	2016	
Dataset URI	https://datasets.seed.nsw.gov.au/dataset/20519efc-2b62-4928-9d19-6aa4df05b725	
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		

Name: Map View for data download

Map View for

Keyword set			
keyword value	WATER		
	WATER-Surface		
Originating controlled vocabulary			
Title	ANZLIC Search Words		
Reference date	2008-05-16		
Geographic location			
West bounding longitude	140.59082		
East bounding longitude	153.73047		
North bounding latitude	-36.55083		
South bounding latitude	-28.63918		
NSW Place Name	NSW		
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

Contact position Data Broker

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Metadata date 2024-08-20T22:23:06.966260

Metadata language