

Title	Water Modelling-Modelled Data-Long-term average annual extraction limit (LTAAEL)-Hunter
Alternative title(s)	LTAAEL
Abstract	<p>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.</p> <p>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:</p> <ul style="list-style-type: none"> • how LTAAEL compliance is to be assessed for each river system • what conditions will trigger noncompliance action • what compliance action can be taken. <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>
Resource locator	
Data Quality Statement	<p>Name: Data Quality Statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data quality statement for Water Modelling-Modelled Data-Long-term average annual extraction limit (LTAAEL)</p> <p>Function: download</p>
210001_Hunter@Singleton	<p>Name: 210001_Hunter@Singleton</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>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.</p> <p>Function: download</p>
210002_Hunter@Muswellbrook Bridge	<p>Name: 210002_Hunter@Muswellbrook Bridge</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p>

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

[210044_Glennies@Middle Falbrook](#)

Name: 210044_Glennies@Middle Falbrook

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

[210055_Hunter@Denman](#)

Name: 210055_Hunter@Denman

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

[210064_Hunter@Greta](#)

Name: 210064_Hunter@Greta

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

[210122_Glennies@US Hunter](#)

Name: 210122_Glennies@US Hunter

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

[210084_Glennies@The Rocks2](#)

Name: 210084_Glennies@The Rocks2

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	4ad9e2d6-dc6b-4bc7-b903-da98c1b94616
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/4ad9e2d6-dc6b-4bc7-b903-da98c1b94616
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	149.65
East bounding longitude	151.92
North bounding latitude	-33.13
South bounding latitude	-31.58
NSW Place Name	Hunter
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
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

Metadata point of contact

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

Metadata date 2024-08-20T22:20:37.440926

Metadata language