

Title	Water Modelling-Modelled Data-Long-term average annual extraction limit (LTAAEL)-Lachlan
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"> <li>• how LTAAEL compliance is to be assessed for each river system</li> <li>• what conditions will trigger noncompliance action</li> <li>• what compliance action can be taken.</li> </ul> <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**

<p><a href="#">Data Quality Statement</a></p>	<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>
<p><a href="#">412002_Lachlan@Cowra</a></p>	<p>Name: 412002_Lachlan@Cowra</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>The version of the WSP model as at 18/07/2023 with data covering period from 01/07/1895 to 30/06/2022. From the WSP scenario model which is derived from the accredited Cap scenario model. Model is run using IQQM software version 7.95.0 RC5 [Rev3737 Dirty] from 01/01/1895.</p> <p>Function: download</p>
<p><a href="#">412004_Lachlan@Forbes</a></p>	<p>Name: 412004_Lachlan@Forbes</p>

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

Description:

The version of the WSP model as at 18/07/2023 with data covering period from 01/07/1895 to 30/06/2022. From the WSP scenario model which is derived from the accredited Cap scenario model. Model is run using IQQM software version 7.95.0 RC5 [Rev3737 Dirty] from 01/01/1895.

Function: download

[412005\\_Lachlan@Booligal](mailto:412005_Lachlan@Booligal)

Name: 412005\_Lachlan@Booligal

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

Description:

The version of the WSP model as at 18/07/2023 with data covering period from 01/07/1895 to 30/06/2022. From the WSP scenario model which is derived from the accredited Cap scenario model. Model is run using IQQM software version 7.95.0 RC5 [Rev3737 Dirty] from 01/01/1895.

Function: download

[412014\\_Goobang@Condobolin](mailto:412014_Goobang@Condobolin)

Name: 412014\_Goobang@Condobolin

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

Description:

The version of the WSP model as at 18/07/2023 with data covering period from 01/07/1895 to 30/06/2022. From the WSP scenario model which is derived from the accredited Cap scenario model. Model is run using IQQM software version 7.95.0 RC5 [Rev3737 Dirty] from 01/01/1895.

Function: download

[412016\\_Wallamundry@OfftakelIsland](mailto:412016_Wallamundry@OfftakelIsland)

Name: 412016\_Wallamundry@OfftakelIsland

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

Description:

The version of the WSP model as at 18/07/2023 with data covering period from 01/07/1895 to 30/06/2022. From the WSP scenario model which is derived from the accredited Cap scenario model. Model is run using IQQM software version 7.95.0 RC5 [Rev3737 Dirty] from 01/01/1895.

Function: download

[412017\\_Bumbuggan@Offtake](mailto:412017_Bumbuggan@Offtake)

Name: 412017\_Bumbuggan@Offtake

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

Description:

The version of the WSP model as at 18/07/2023 with data covering period from 01/07/1895 to 30/06/2022. From the WSP scenario model which is derived from the accredited Cap scenario model. Model is run using IQQM software version 7.95.0 RC5 [Rev3737 Dirty] from 01/01/1895.

Function: download

[412021\\_Lachlan@BooberoiWeir](mailto:412021_Lachlan@BooberoiWeir)

Name: 412021\_Lachlan@BooberoiWeir

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

Description:

The version of the WSP model as at 18/07/2023 with data covering period from 01/07/1895 to 30/06/2022. From the WSP scenario model which is derived from the accredited Cap scenario model. Model is run using IQQM software version 7.95.0 RC5 [Rev3737 Dirty] from 01/01/1895.

[412023\\_Island@Fairholme](#)

Function: download

Name: 412023\_Island@Fairholme

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

Description:

The version of the WSP model as at 18/07/2023 with data covering period from 01/07/1895 to 30/06/2022. From the WSP scenario model which is derived from the accredited Cap scenario model. Model is run using IQQM software version 7.95.0 RC5 [Rev3737 Dirty] from 01/01/1895.

Function: download

[412026\\_Lachlan@Oxley](#)

Name: 412026\_Lachlan@Oxley

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

Description:

The version of the WSP model as at 18/07/2023 with data covering period from 01/07/1895 to 30/06/2022. From the WSP scenario model which is derived from the accredited Cap scenario model. Model is run using IQQM software version 7.95.0 RC5 [Rev3737 Dirty] from 01/01/1895.

Function: download

[412034\\_Lachlan@CondobolinWeir](#)

Name: 412034\_Lachlan@CondobolinWeir

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

Description:

The version of the WSP model as at 18/07/2023 with data covering period from 01/07/1895 to 30/06/2022. From the WSP scenario model which is derived from the accredited Cap scenario model. Model is run using IQQM software version 7.95.0 RC5 [Rev3737 Dirty] from 01/01/1895.

Function: download

[412036\\_Lachlan@DSJemalongWeir](#)

Name: 412036\_Lachlan@DSJemalongWeir

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

Description:

The version of the WSP model as at 18/07/2023 with data covering period from 01/07/1895 to 30/06/2022. From the WSP scenario model which is derived from the accredited Cap scenario model. Model is run using IQQM software version 7.95.0 RC5 [Rev3737 Dirty] from 01/01/1895.

Function: download

[412038\\_Lachlan@USWillandraWeir](#)

Name: 412038\_Lachlan@USWillandraWeir

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

Description:

The version of the WSP model as at 18/07/2023 with data covering period from 01/07/1895 to 30/06/2022. From the WSP scenario model which is derived from the accredited Cap scenario model. Model is run using IQQM software version 7.95.0 RC5 [Rev3737 Dirty] from 01/01/1895.

Function: download

[412039\\_Lachlan@HillstonWeir](#)

Name: 412039\_Lachlan@HillstonWeir

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

Description:

The version of the WSP model as at 18/07/2023 with data covering period from 01/07/1895 to 30/06/2022. From the WSP scenario

model which is derived from the accredited Cap scenario model. Model is run using IQQM software version 7.95.0 RC5 [Rev3737 Dirty] from 01/01/1895.

Function: download

[412045\\_Lachlan@Corrong](mailto:412045_Lachlan@Corrong)

Name: 412045\_Lachlan@Corrong

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

Description:

The version of the WSP model as at 18/07/2023 with data covering period from 01/07/1895 to 30/06/2022. From the WSP scenario model which is derived from the accredited Cap scenario model. Model is run using IQQM software version 7.95.0 RC5 [Rev3737 Dirty] from 01/01/1895.

Function: download

[412057\\_Lachlan@Nanami](mailto:412057_Lachlan@Nanami)

Name: 412057\_Lachlan@Nanami

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

Description:

The version of the WSP model as at 18/07/2023 with data covering period from 01/07/1895 to 30/06/2022. From the WSP scenario model which is derived from the accredited Cap scenario model. Model is run using IQQM software version 7.95.0 RC5 [Rev3737 Dirty] from 01/01/1895.

Function: download

[412078\\_Lachlan@Whealbah](mailto:412078_Lachlan@Whealbah)

Name: 412078\_Lachlan@Whealbah

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

Description:

The version of the WSP model as at 18/07/2023 with data covering period from 01/07/1895 to 30/06/2022. From the WSP scenario model which is derived from the accredited Cap scenario model. Model is run using IQQM software version 7.95.0 RC5 [Rev3737 Dirty] from 01/01/1895.

Function: download

## Unique resource identifier

Code e1b790f9-e8fb-4fb1-80c0-2f732400fc6b

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/e1b790f9-e8fb-4fb1-80c0-2f732400fc6b>

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	

<b>Keyword set</b>	
keyword value	WATER WATER-Surface
<b>Originating controlled vocabulary</b>	
Title	ANZLIC Search Words
Reference date	2008-05-16
<b>Geographic location</b>	
West bounding longitude	143.82
East bounding longitude	149.97
North bounding latitude	-35.41
South bounding latitude	-32.2
NSW Place Name	Lachlan
<b>Vertical extent information</b>	
Minimum value	-100
Maximum value	2228
<b>Coordinate reference system</b>	
Authority code	urn:ogc:def:cs:EPSG::
Code identifying the coordinate reference system	5711
<b>Temporal extent</b>	
Begin position	1895-01-01
End position	N/A
<b>Dataset reference date</b>	
<b>Resource maintenance</b>	
Maintenance and update frequency	Annually
<b>Contact info</b>	
Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Telephone number	131555
Email address	<a href="mailto:data.broker@environment.nsw.gov.au">data.broker@environment.nsw.gov.au</a>
Web address	<a href="https://www.nsw.gov.au/departments-and-agencies/dcceew">https://www.nsw.gov.au/departments-and-agencies/dcceew</a>
Responsible party role	pointOfContact
<b>Limitations on public access</b>	

## Responsible party

Contact position	Data Broker
Organisation name	NSW Department of Climate Change, Energy, the Environment and Water
Telephone number	131555
Email address	<a href="mailto:data.broker@environment.nsw.gov.au">data.broker@environment.nsw.gov.au</a>
Web address	<a href="https://www.nsw.gov.au/departments-and-agencies/dcceew">https://www.nsw.gov.au/departments-and-agencies/dcceew</a>
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	<a href="mailto:data.broker@environment.nsw.gov.au">data.broker@environment.nsw.gov.au</a>
Web address	<a href="https://www.nsw.gov.au/departments-and-agencies/dcceew">https://www.nsw.gov.au/departments-and-agencies/dcceew</a>
Responsible party role	pointOfContact

Metadata date 2024-06-19T05:44:21.330749

Metadata language