Water Modelling-Modelled Data-Long-term average annual Title extraction limit (LTAAEL)-Lachlan 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-Longterm average annual extraction limit (LTAAEL) Function: download Name: 412002_Lachlan@Cowra

412002_Lachlan@Cowra

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

Name: 412004 Lachlan@Forbes 412004_Lachlan@Forbes

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 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 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@Offtakelsland Name: 412016_Wallamundry@Offtakelsland

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 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 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 District from 01/01/1805]

Dirty] from 01/01/1895.

Function: download

412023_Island@Fairholme 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 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 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 Name: 412078 Lachlan@Whealbah 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 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 e1b790f9-e8fb-4fb1-80c0-2f732400fc6b Code Presentation form Document digital Edition 1.0 Dataset language **English** Metadata standard Name ISO 19115 2016 Edition

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	

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

Web address https://www.nsw.gov.au/departments-and-agencies/dcceew

Responsible party role pointOfContact

Metadata point of contact

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Organisation name NSW Department of Climate Change, Energy, the Environment and Water

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Email address <u>data.broker@environment.nsw.gov.au</u>

Web address https://www.nsw.gov.au/departments-and-agencies/dcceew

Responsible party role pointOfContact

Metadata date 2024-08-20T22:23:37.219339

Metadata language