Title	Water Modelling-Modelled Data-Annual Permitted Take (APT)-Namoi
Alternative title(s)	APT
Abstract	Annual permitted take (APT) is a critical component of sustainable resource management, balancing the need for water resource utilisation with the preservation of ecosystems. It is a crucial mechanism for ensuring the long-term annual sustainable diversion limits (SDLs) set under the Murray-Darling Basin Plan are not exceeded, and that enough water is available for the environment. APT is the maximum amount of water permitted to be taken for consumptive purposes each year, and has been enforced since July 2019 A method for determining APT is part of each water resource plans (WRPs) developed by the Basin states under the Commonwealth Water Act 2007. When the method is applied over the Basin Plan reference period (1895–2009), the annual APT must be equal to or less than SDL. An APT model is a major component of the APT calculation method. It is used to calculate the APT that would be expected in a year, given that year's water availability and climatic conditions. APT is calculated at the end of each year and compared to actual take in that year, with the difference added to a public register of take. SDL compliance is tracked using the cumulative difference (from water year 2019–20). APT models are configured using estimates of the river management and development (public and private infrastructure) conditions in a river system across the water resource plan period. These estimates include: • irrigated crop area and planting decisions • water entitlement holders' distribution and use patterns • how storages are operated to supply water for consumption and the environment.
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-Annual Permitted Take (APT)-Belubula Function: download
419001_Namoi River@Gunnedah	Name: 419001_Namoi River@Gunnedah Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of Current Conditions model used in LTAAEL assessment for 2021/22. As of 03/10/2023, this is the same model used to the proposed scaling factor, to be used for 2022-2023 APT run. NAMO_CAL_274_5.20.0.12549.rsproj run under Source version 5.20.0.12549 over the 02/12/1891 - 30/06/2020, noting the flow data covers period from 01/07/1895 to 30/06/2020. Function: download
419003_Narrabri Creek@Narrabri	Name: 419003_Narrabri Creek@Narrabri Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of Current Conditions model used in LTAAEL assessment for 2021/22. As of 03/10/2023, this is the same model used to the proposed scaling factor, to be used for 2022-2023 APT run. NAMO_CAL_274_5.20.0.12549.rsproj run under Source version 5.20.0.12549 over the 02/12/1891 - 30/06/2020, noting the flow data covers period from 01/07/1895 to 30/06/2020.

Function: download

419007_Namoi River@DSKeepitDam

Name: 419007_Namoi River@DSKeepitDam

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

Description:

The version of Current Conditions model used in LTAAEL assessment for 2021/22. As of 03/10/2023, this is the same model used to the proposed scaling factor, to be used for 2022-2023 APT run.
NAMO_CAL_274_5.20.0.12549.rsproj run under Source version 5.20.0.12549 over the 02/12/1891 - 30/06/2020, noting the flow data covers period from 01/07/1895 to 30/06/2020.

Function: download

419012_Namoi River@Boggabri

Name: 419012_Namoi River@Boggabri

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

Description:

The version of Current Conditions model used in LTAAEL assessment for 2021/22. As of 03/10/2023, this is the same model used to the proposed scaling factor, to be used for 2022-2023 APT run.
NAMO_CAL_274_5.20.0.12549.rsproj run under Source version 5.20.0.12549 over the 02/12/1891 - 30/06/2020, noting the flow data covers period from 01/07/1895 to 30/06/2020.

Function: download

419020_Manila River@Brabri

Name: 419020_Manila River@Brabri

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

Description:

The version of Current Conditions model used in LTAAEL assessment for 2021/22. As of 03/10/2023, this is the same model used to the proposed scaling factor, to be used for 2022-2023 APT run.
NAMO_CAL_274_5.20.0.12549.rsproj run under Source version 5.20.0.12549 over the 02/12/1891 - 30/06/2020, noting the flow data covers period from 01/07/1895 to 30/06/2020.

Function: download

419021_Namoi River@Bugilbone

Name: 419021_Namoi River@Bugilbone

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

Description:

The version of Current Conditions model used in LTAAEL assessment for 2021/22. As of 03/10/2023, this is the same model used to the proposed scaling factor, to be used for 2022-2023 APT run.
NAMO_CAL_274_5.20.0.12549.rsproj run under Source version 5.20.0.12549 over the 02/12/1891 - 30/06/2020, noting the flow data covers period from 01/07/1895 to 30/06/2020.

Function: download

419022_Namoi River@ManillaRailwayBridge

Name: 419022_Namoi River@ManillaRailwayBridge

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

Description:

The version of Current Conditions model used in LTAAEL assessment for 2021/22. As of 03/10/2023, this is the same model used to the proposed scaling factor, to be used for 2022-2023 APT run.
NAMO_CAL_274_5.20.0.12549.rsproj run under Source version 5.20.0.12549 over the 02/12/1891 - 30/06/2020, noting the flow data covers period from 01/07/1895 to 30/06/2020.

Function: download

419026_Namoi River@Goangra

Name: 419026_Namoi River@Goangra

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

Description:

The version of Current Conditions model used in LTAAEL assessment for 2021/22. As of 03/10/2023, this is the same model used to the proposed scaling factor, to be used for 2022-2023 APT run.
NAMO_CAL_274_5.20.0.12549.rsproj run under Source version 5.20.0.12549 over the 02/12/1891 - 30/06/2020, noting the flow data covers period from 01/07/1895 to 30/06/2020.

Function: download

419039_Namoi River@Mollee

Name: 419039_Namoi River@Mollee

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

Description:

The version of Current Conditions model used in LTAAEL assessment for 2021/22. As of 03/10/2023, this is the same model used to the proposed scaling factor, to be used for 2022-2023 APT run.
NAMO_CAL_274_5.20.0.12549.rsproj run under Source version 5.20.0.12549 over the 02/12/1891 - 30/06/2020, noting the flow data covers period from 01/07/1895 to 30/06/2020.

Function: download

419049_Pian Creek@Waminda

Name: 419049_Pian Creek@Waminda

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

Description:

The version of Current Conditions model used in LTAAEL assessment for 2021/22. As of 03/10/2023, this is the same model used to the proposed scaling factor, to be used for 2022-2023 APT run.
NAMO_CAL_274_5.20.0.12549.rsproj run under Source version 5.20.0.12549 over the 02/12/1891 - 30/06/2020, noting the flow data covers period from 01/07/1895 to 30/06/2020.

Function: download

419059_Namoi River@Gunidgera

Name: 419059_Namoi River@Gunidgera

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

Description:

The version of Current Conditions model used in LTAAEL assessment for 2021/22. As of 03/10/2023, this is the same model used to the proposed scaling factor, to be used for 2022-2023 APT run.
NAMO_CAL_274_5.20.0.12549.rsproj run under Source version 5.20.0.12549 over the 02/12/1891 - 30/06/2020, noting the flow data covers period from 01/07/1895 to 30/06/2020.

Function: download

419061_Gunidgera Creek@DSRegulator

Name: 419061_Gunidgera Creek@DSRegulator

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

Description:

The version of Current Conditions model used in LTAAEL assessment for 2021/22. As of 03/10/2023, this is the same model used to the proposed scaling factor, to be used for 2022-2023 APT run.
NAMO_CAL_274_5.20.0.12549.rsproj run under Source version 5.20.0.12549 over the 02/12/1891 - 30/06/2020, noting the flow data covers period from 01/07/1895 to 30/06/2020.

Function: download

419063_Cutting And Channel@MerahNorth

Name: 419063_Cutting And Channel@MerahNorth

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

Description:

The version of Current Conditions model used in LTAAEL assessment for

	2021/22. As of 03/10/2023, this is the same model used to the proposed scaling factor, to be used for 2022-2023 APT run. NAMO_CAL_274_5.20.0.12549.rsproj run under Source version 5.20.0.12549 over the 02/12/1891 - 30/06/2020, noting the flow data covers period from 01/07/1895 to 30/06/2020. Function: download
419064_Pian Creek@Rossmore	Name: 419064_Pian Creek@Rossmore Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of Current Conditions model used in LTAAEL assessment for 2021/22. As of 03/10/2023, this is the same model used to the proposed scaling factor, to be used for 2022-2023 APT run. NAMO_CAL_274_5.20.0.12549.rsproj run under Source version 5.20.0.12549 over the 02/12/1891 - 30/06/2020, noting the flow data covers period from 01/07/1895 to 30/06/2020. Function: download
419068_Namoi River@WeetaWeir	Name: 419068_Namoi River@WeetaWeir Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of Current Conditions model used in LTAAEL assessment for 2021/22. As of 03/10/2023, this is the same model used to the proposed scaling factor, to be used for 2022-2023 APT run. NAMO_CAL_274_5.20.0.12549.rsproj run under Source version 5.20.0.12549 over the 02/12/1891 - 30/06/2020, noting the flow data covers period from 01/07/1895 to 30/06/2020. Function: download
419079_Gunidgera@DS Cutting	Name: 419079_Gunidgera@DS Cutting Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of Current Conditions model used in LTAAEL assessment for 2021/22. As of 03/10/2023, this is the same model used to the proposed scaling factor, to be used for 2022-2023 APT run. NAMO_CAL_274_5.20.0.12549.rsproj run under Source version 5.20.0.12549 over the 02/12/1891 - 30/06/2020, noting the flow data covers period from 01/07/1895 to 30/06/2020. 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	6b0e45e0-0c43-4394-b013-99b360aac093

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/6b0e45e0-0c43-4394-b013-99b360aac093
Purpose	The data set provided contains flows at several gauges in each river system, as simulated by the annually extended APT model. Notwithstanding the model's inherent limitations, these are a fair representation of those we would expect under current conditions development and operation rules. They can be compared with flows simulated by other key scenario models, such as long-term average annual extraction limit (LTAAEL) 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	147.39
East bounding longitude	151.67
North bounding latitude	-31.86
South bounding latitude	-29.75
NSW Place Name	Namoi

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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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

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Web address	https://www.nsw.gov.au/departments-and-agencies/dcceew
Responsible party role	pointOfContact

Metadata date

2024-08-20T22:21:16.037310

Metadata language