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:
	<ul> <li>irrigated crop area and planting decisions</li> </ul>
	<ul> <li>water entitlement holders' distribution and use patterns</li> </ul>
	<ul> <li>how storages are operated to supply water for consumption and the environment.</li> </ul>
Resource locator	
Data Quality Statement	Name: Data Quality Statement
	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	Description:
	Data quality statement for Water Modelling-Modelled Data-Annual Permitted Take (APT)-Belubula
	Function: download
<u>419001_Namoi</u>	Name: 419001_Namoi River@Gunnedah
<u>River@Gunnedah</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	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
<u>419003_Narrabri</u> <u>Creek@Narrabri</u>	Name: 419003_Narrabri Creek@Narrabri
	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	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
<u>419007_Namoi</u> <u>River@DSKeepitDam</u>	Name: 419007_Namoi River@DSKeepitDam
	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	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
<u>419012_Namoi</u>	Name: 419012_Namoi River@Boggabri
<u>River@Boggabri</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	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
<u>419020_Manila</u>	Name: 419020_Manila River@Brabri
<u>River@Brabri</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	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
<u>419021_Namoi</u>	Name: 419021_Namoi River@Bugilbone
<u>River@Bugilbone</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	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
<u>419022_Namoi</u>	Name: 419022_Namoi River@ManillaRailwayBridge
<u>River@ManillaRailwayBridge</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	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
<u>419026_Namoi</u> River@Goangra	Name: 419026_Namoi River@Goangra

	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	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
<u>419039_Namoi</u> <u>River@Mollee</u>	Name: 419039_Namoi River@Mollee
	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	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
<u>419049_Pian</u>	Name: 419049_Pian Creek@Waminda
<u>Creek@Waminda</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	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
<u>419059_Namoi</u>	Name: 419059_Namoi River@Gunidgera
<u>River@Gunidgera</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	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	Name: 419061_Gunidgera Creek@DSRegulator
<u>Creek@DSRegulator</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	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	Name: 419063_Cutting And Channel@MerahNorth
<u>Channel@MerahNorth</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	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
<u>419064_Pian</u> <u>Creek@Rossmore</u>	Name: 419064_Pian Creek@Rossmore
	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	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
<u>419068_Namoi</u>	Name: 419068_Namoi River@WeetaWeir
<u>River@WeetaWeir</u>	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	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	Name: 419079_Gunidgera@DS Cutting
Cutting	Protocol: WWW:DOWNLOAD-1.0-httpdownload
	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	Name: Map View for data download
<u>download</u>	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 identifie	r
Code	6b0e45e0-0c43-4394-b013-99b360aac093
Presentation form	Document digital
Edition	1.0
Dataset language	English
Metadata standard	

Name	150 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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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	2024-08-20T22:21:16.037310
Metadata language	