Title	Water Modelling-Modelled Data-Annual Permitted Take (APT)-Gwydir
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
416027 GilGil@Weemelah	Name: 416027 GilGil@Weemelah Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of latest (as of 03/07/2023) APT/Current Conditions model data covering period from 01/07/1895 to 30/06/2022 submitted to MDBA as part of the WRP package (May 2023). Model is run using IQQMv7.103.0 RC4 from 01/01/1890. Function: download
416052 GilGil@Galloway	Name: 416052 GilGil@Galloway Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of latest (as of 03/07/2023) APT/Current Conditions model data covering period from 01/07/1895 to 30/06/2022 submitted to MDBA as part of the WRP package (May 2023). Model is run using IQQMv7.103.0 RC4 from 01/01/1890. Function: download
418001 Gwydir@Pallamallawa	Name: 418001 Gwydir@Pallamallawa Protocol: WWW:DOWNLOAD-1.0-http--download

	Description: The version of latest (as of 03/07/2023) APT/Current Conditions model data covering period from 01/07/1895 to 30/06/2022 submitted to MDBA as part of the WRP package (May 2023). Model is run using IQQMv7.103.0 RC4 from 01/01/1890. Function: download
418004 Gwydir@Yarraman	Name: 418004 Gwydir@Yarraman Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of latest (as of 03/07/2023) APT/Current Conditions model data covering period from 01/07/1895 to 30/06/2022 submitted to MDBA as part of the WRP package (May 2023). Model is run using IQQMv7.103.0 RC4 from 01/01/1890. Function: download
418007 Gwydir@Camurra	Name: 418007 Gwydir@Camurra Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of latest (as of 03/07/2023) APT/Current Conditions model data covering period from 01/07/1895 to 30/06/2022 submitted to MDBA as part of the WRP package (May 2023). Model is run using IQQMv7.103.0 RC4 from 01/01/1890. Function: download
418013 Gwydir@Gravesend	Name: 418013 Gwydir@Gravesend Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of latest (as of 03/07/2023) APT/Current Conditions model data covering period from 01/07/1895 to 30/06/2022 submitted to MDBA as part of the WRP package (May 2023). Model is run using IQQMv7.103.0 RC4 from 01/01/1890. Function: download
418031 Gwydir@Collymongle	Name: 418031 Gwydir@Collymongle Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of latest (as of 03/07/2023) APT/Current Conditions model data covering period from 01/07/1895 to 30/06/2022 submitted to MDBA as part of the WRP package (May 2023). Model is run using IQQMv7.103.0 RC4 from 01/01/1890. Function: download
418037 Mehi@DSCombadelloWeir	Name: 418037 Mehi@DSCombadelloWeir Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of latest (as of 03/07/2023) APT/Current Conditions model data covering period from 01/07/1895 to 30/06/2022 submitted to MDBA as part of the WRP package (May 2023). Model is run using IQQMv7.103.0 RC4 from 01/01/1890. Function: download
418053 Gwydir@BrageenCrossing	Name: 418053 Gwydir@BrageenCrossing Protocol: WWW:DOWNLOAD-1.0-http--download Description:

	The version of latest (as of 03/07/2023) APT/Current Conditions model data covering period from 01/07/1895 to 30/06/2022 submitted to MDBA as part of the WRP package (May 2023). Model is run using IQQMv7.103.0 RC4 from 01/01/1890. Function: download
418055 Mehi@Collarenebri	Name: 418055 Mehi@Collarenebri Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of latest (as of 03/07/2023) APT/Current Conditions model data covering period from 01/07/1895 to 30/06/2022 submitted to MDBA as part of the WRP package (May 2023). Model is run using IQQMv7.103.0 RC4 from 01/01/1890. Function: download
418064 Gingham@Willowlee	Name: 418064 Gingham@Willowlee Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of latest (as of 03/07/2023) APT/Current Conditions model data covering period from 01/07/1895 to 30/06/2022 submitted to MDBA as part of the WRP package (May 2023). Model is run using IQQMv7.103.0 RC4 from 01/01/1890. Function: download
418066 Gwydir@Millewa	Name: 418066 Gwydir@Millewa Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of latest (as of 03/07/2023) APT/Current Conditions model data covering period from 01/07/1895 to 30/06/2022 submitted to MDBA as part of the WRP package (May 2023). Model is run using IQQMv7.103.0 RC4 from 01/01/1890. 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	ed5f440b-d4a0-4924-b172-95c6c25659a0

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/ed5f440b-d4a0-4924-b172-95c6c25659a0

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	148.36
East bounding longitude	151.69
North bounding latitude	-30.83
South bounding latitude	-29.03
NSW Place Name	Gwydir Valley

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

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Responsible party role	pointOfContact

Metadata date

2024-08-20T22:24:10.778420

Metadata language