Title	Water Modelling-Modelled Data-Annual Permitted Take (APT)-Peel	
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-httpdownload	
	Description:	
	Data quality statement for Water Modelling-Modelled Data-Annual Permitted Take (APT)-Belubula	
	Function: download	
419006_Peel@Carrol Gap	Name: 419006_Peel@Carrol Gap	
	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Description:	
	The version of APT scenario of October 2022 (PeelS032.sqq) and covers period from 01/07/1892 to 30/06/2022. Run using IQQM software (v7.91.6).	
	Function: download	
419015_Peel@Piallamore	Name: 419015_Peel@Piallamore	
	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Description:	
	The version of APT scenario of October 2022 (PeelS032.sqq) and covers period from 01/07/1892 to 30/06/2022. Run using IQQM software (v7.91.6).	
	Function: download	
419024_Peel@Paradise	Name: 419024_Peel@Paradise Weir	
Weir	Protocol: WWW:DOWNLOAD-1.0-httpdownload	
	Description:	
	The version of APT scenario of October 2022 (PeelS032.sqq) and covers	

	Trocool. WWW.bownLoad 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.	
Unique resource ident	ifier	
Code	86798e43-4a86-46d0-82c0-106369e48dd3	
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/86798e43-4a86-46d0-82c0- 106369e48dd3	
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	em	
Code identifying the spatial reference system	4283	
Topic category		

period from 01/07/1892 to 30/06/2022. Run using IQQM software (v7.91.6).

Function: download

Name: Map View for data download

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

Map View for data

download

Keyword set	
keyword value	WATER
	WATER-Surface
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
West bounding longitude	150.3
East bounding longitude	151.2
North bounding latitude	-31.4
South bounding latitude	-30.5
NSW Place Name	Peel
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

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

Telephone number 131555

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Metadata date 2024-08-20T22:22:25.981210

Metadata language