Title Water Modelling-Modelled Data-Annual Permitted Take (APT)-Barwon-Darling **Alternative** APT title(s) Annual permitted take (APT) is a critical component of sustainable resource **Abstract** 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 Name: Data Quality Statement **Data Quality** Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for Water Modelling-Modelled Data-Annual Permitted Take (APT)-Barwon-Darling Function: download 416050 Barwon @US Name: 416050 Barwon @US Presbury Weir **Presbury Weir** Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of Current development at 28/06/2023 and covers period from 01/07/1895 to 30/06/2022. Based on the superseded version of the base case model (i.e., pre-Floodplain Harvesting work) and software (IQQMv7.96.0). Function: download Name: 422004 Barwon@MogilMogil 422004 Barwon@MogilMogil Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of Current development at 28/06/2023 and covers period from 01/07/1895 to 30/06/2022. Based on the superseded version of the base case model (i.e., pre-Floodplain Harvesting work) and software (IQQMv7.96.0). Function: download

422003 Barwon@Collarenebri Name: 422003 Barwon@Collarenebri

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

Description:

The version of Current development at 28/06/2023 and covers period from 01/07/1895 to 30/06/2022. Based on the superseded version of the base case model (i.e., pre-Floodplain Harvesting work) and software (IQQMv7.96.0).

Function: download

422025 Barwon@Tara Name: 422025 Barwon@Tara

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

Description:

The version of Current development at 28/06/2023 and covers period from 01/07/1895 to 30/06/2022. Based on the superseded version of the base case model (i.e., pre-Floodplain Harvesting work) and software (IQQMv7.96.0).

Function: download

422001

Name: 422001 Barwon@Dangar Bridge

Barwon@Dangar Bridge

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

Description:

The version of Current development at 28/06/2023 and covers period from 01/07/1895 to 30/06/2022. Based on the superseded version of the base case model (i.e., pre-Floodplain Harvesting work) and software (IQQMv7.96.0).

Function: download

422027

Name: 422027 Barwon@Geera

Barwon@Geera

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

Description:

The version of Current development at 28/06/2023 and covers period from 01/07/1895 to 30/06/2022. Based on the superseded version of the base case model (i.e., pre-Floodplain Harvesting work) and software (IQQMv7.96.0).

Function: download

422002

Name: 422002 Barwon@Brewarrina

Barwon@Brewarrina

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

Description:

The version of Current development at 28/06/2023 and covers period from 01/07/1895 to 30/06/2022. Based on the superseded version of the base case model (i.e., pre-Floodplain Harvesting work) and software (IQQMv7.96.0).

Function: download

422028

Name: 422028 Barwon@Beemery

Barwon@Beemery

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

Description:

The version of Current development at 28/06/2023 and covers period from 01/07/1895 to 30/06/2022. Based on the superseded version of the base case model (i.e., pre-Floodplain Harvesting work) and software (IQQMv7.96.0).

Function: download

425039

Name: 425039 Darling@Warraweena

Darling@Warraweena

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

Description:

The version of Current development at 28/06/2023 and covers period from 01/07/1895 to 30/06/2022. Based on the superseded version of the base case model (i.e., pre-Floodplain Harvesting work) and software (IQQMv7.96.0).

Function: download

<u>425003</u> Name: 425003 Darling@Bourke Town Darling@Bourke Protocol: WWW:DOWNLOAD-1.0-http--download Town Description: The version of Current development at 28/06/2023 and covers period from 01/07/1895 to 30/06/2022. Based on the superseded version of the base case model (i.e., pre-Floodplain Harvesting work) and software (IQQMv7.96.0). Function: download Name: 425004 Darling@Louth 425004 Darling@Louth Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of Current development at 28/06/2023 and covers period from 01/07/1895 to 30/06/2022. Based on the superseded version of the base case model (i.e., pre-Floodplain Harvesting work) and software (IQQMv7.96.0). Function: download Name: 425900 Darling@Tilpa 425900 Darling@Tilpa Protocol: WWW:DOWNLOAD-1.0-http--download Description: The version of Current development at 28/06/2023 and covers period from 01/07/1895 to 30/06/2022. Based on the superseded version of the base case model (i.e., pre-Floodplain Harvesting work) and software (IQQMv7.96.0). Function: download Name: 425008 Darling@Wilcannia Main Channel 425008 Darling@Wilcannia Protocol: WWW:DOWNLOAD-1.0-http--download Main Channel Description: The version of Current development at 28/06/2023 and covers period from 01/07/1895 to 30/06/2022. Based on the superseded version of the base case model (i.e., pre-Floodplain Harvesting work) and software (IQQMv7.96.0). Function: download Map View for data Name: Map View for data download 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 93cab03c-2dc5-4ff2-b272-ad92f39cada4 Code Presentation Document digital form Edition 1.0 Dataset language **English** Metadata standard ISO 19115 Name Edition 2016

Dataset URI	https://datasets.seed.nsw.gov.au/dataset/93cab03c-2dc5-4ff2-b272-ad92f39cada4	
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	141.7		
East bounding longitude	149.3		
North bounding latitude	-34.12		
South bounding latitude	-28.7		
NSW Place Name	Barwon-Darling 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

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

Responsible party role pointOfContact

Metadata date 2024-08-20T22:21:26.100543

Metadata language