

Metadata Statement Questionnaire



Data and Information – Knowledge Division - DPE Water

These data are the outputs of the water models and present a wide range of results relating to different components of water balance including flows, diversions, water stored, and allocations. Info Asset Details

Enter information about the resource you are attaching to your asset record	
<u>Name</u>	Water Modelling - Modelled Data
<u>Description</u>	Surface water modelled flow data for streamflow gauges across NSW River Valleys. Individual for each available river gauge data sets are attained via best available at the time of publishing hydrologic model/s and over the historic climate period (usually from early to mid-1890s to a water year previous to the date of publishing). Specific scenario data sets are expected to be updated annually and subject to quality requirements may be used in relevant studies.
<u>Format</u>	<input type="text" value="CSV"/>
Publish resource as <u>open</u> data?	<input type="text" value="Yes"/>

P.T.O

Scope, coverage and geography

<p>Enter information about the scope, coverage and geography of the Asset(s)</p> <p><i>For example: The data were developed through recent modelling and through hydrometric monitoring spanning from 1885 to the present day at gauged sites distributed across the Barwon Darling River from Walgett in the unregulated upper reaches of the river in north-western NSW, to Burtundy below the Menindee Lakes in south-western NSW.</i></p>	<p>These data are the outputs of the water models and present a wide range of results relating to different components of water balance including flows, diversions, water stored, and allocations. Information is currently available for the following valleys. Belubula, Border Rivers, Castlereagh, Gwydir, Hunter, Lachlan, Macquarie, Namoi, Paterson and Peel</p>
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P.T.O

Files, Outputs and Interpretation

<p>Title describing the files:</p> <p><i>For example:</i> Gauged and modelled sites</p> <p>NB: If uploading a ZIP file, pls include for each asset within:</p> <ul style="list-style-type: none"> • Name of Zip File, • Description (including a list of all the files within the Zip and a short description of what they are 	
<p>Enter information about the Files, Output and Interpretation</p> <p><i>For example: Observed flow time series (ts) at various locations, as well as differently configured Barwon Darling planning model results, were examined at locations of interest. More information is published and available for our river modelling and for our cease to flow periods analysis.</i></p> <p><i>The data details periods of the low-flow thresholds being met that can start a resumption of flow event if they occur for a sufficient period, as explained in the Water Sharing Plan for the Barwon-Darling Unregulated River Water Source. The data also details the periods of cease-to-flow. It is provided as “boolean” value where the number 1 indicates a low-flow or cease-to-flow event and 0 indicates that it is flowing above the low-flow threshold.</i></p>	<p>Each Valley has number of zip files. Within each zip file is a CSV file for a given gauge. The file is named using the following protocol “Gauge Number_water course@gauge name.csv”</p> <p>Within each csv is the modelled data starting from 1/1/1895 ending the water year previous to publication e.g. 30/06/2022.</p>

P.T.O

Accuracy and Error

<p>Enter information about accuracy and any known error</p> <p><i>For example: Some observed data was modified using expert opinion to better represent cease to flow periods. This includes the modification of very low flow information that persists to instead reflect a zero flow. Newly found historic data is now available and was included in the dataset. The accuracy of this newly found data may be of lower quality than the historic data published on the WaterNSW websites.</i></p> <p><i>Currently published historical data quality has been quality coded and assured of being sufficient in quality to use. The inclusion of the newly found data, whilst possibly less accurate, allows for a fuller analysis. The published historic record has large data gaps spanning many years.</i></p> <p><i>The details of the decisions made to non-zero flows to be deemed as cease-to-flow is recorded in the attached notes files.</i></p>	<p>Not applicable to modelled data.</p>
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P.T.O

Additional Comments

<p>Enter any additional comments pertaining to the Asset or files within</p>	<p>Click or tap here to enter text.</p>
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Contact

For further information on this dataset contact:

- NSW Department of Planning and Environment—Water
- Email: water.wams@dpie.nsw.gov.au

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