

Name of dataset or data source:

Water Quality: Basin Plan targets assessment 2007-2012

Custodian of the dataset or data source:

Department of Industry, Skills and Regional Development

Description:

Water quality data collected monthly from 115 sites in the Murray-Darling Basin in NSW, between 2007 and 2012. Parameters include: Turbidity - lab; Turbidity - field; Total phosphorus; Total nitrogen; pH - field; Dissolved oxygen - field percent saturation.

Data quality rating:

- ★ Institutional Environment
- ★ Accuracy
 - Coherence
 - Interpretability
- ★ Accessibility



INSTITUTIONAL ENVIRONMENT

Medium



- ✓ The agency publishing this data is the recognised data custodian.
- ✓ Data is collected and managed according to a data quality framework.
- ✓ Data governance roles and responsibilities are clearly assigned for this dataset or data source.
- ✓ Custodian has no commercial interest or conflict of interest in the data.

- ✗ Data collection is not mandated or required by a law, regulation or agreement.

Find out more about the data quality framework from the Custodian (contact details below).

Find out more about the data governance responsibilities from the Custodian (contact details below).



ACCURACY

High



- ✓ This data has been subject to quality assurance processes. ie Checking for errors at each stage of data collection and processing, or verifying data entry and making corrections if necessary.
- ✓ The data collection met the objectives of the primary user. The data correctly represents what it was designed to measure, monitor or report. Refer to *Scope and Coverage* in the last section of this report

for more information.

- ✓ There are known gaps in the data. (For example: non-responses, missing records, data not collected.) Gaps are identified in caveats attached to the dataset or data source.
- ✓ There have not been any adjustments, changes or other factors that could impact the validity of the data. (For example: weighting, rounding, de-identification of data; changes or flaws in data collection or verification methods.)
- ✓ The revision policy is described below

Find out more about the quality assurance processes from the Custodian.

Revision policy: Revision policy: Data is not published until fully reviewed, checked and quality coded. Identified errors are investigated and resolved prior to quality coding. Data revision not required post publication.



COHERENCE

Medium



- ✓ Standard definitions, common concepts, classifications and data recording practices have been used.
- ✓ This data is generally consistent with similar or related data sources.
- ✓ This data is consistent with previous releases. There have been no changes in methodology or external impacts since the last release in this series.

- ✗ Elements within the data cannot be meaningfully compared.
- ✗ This data is part of a time series. There have been significant changes in the way data items are defined, classified or counted since the start of the series.

More information about standards: More information about standards: NSW DPI Water Standard Technical Operating Procedures at: <http://waterinfo.nsw.gov.au/stop/stop/stop/> More information about similar or related data sources: DPI Water Projects: State Water Quality Assessment and Monitoring Program; Aquifer Interference Policy; MDBA Water Quality Monitoring; MDBA Menindee Lakes Monitoring; DBBRC Border Rivers Water Quality Program; DBBRC Intersecting Streams. Data collected, managed and stored using same protocols, standards

More information about comparing data elements: Changes that could cause a break in the consistency of data items over time: Transfer of all water quality data from Triton database to KiWQM database. Change in laboratories undertaking sample analysis (2014).

More information about similar or related data sources: This dataset or data source is part of a time series.

This dataset or data source is part of a time series.

Data was first collected or produced on 01-07-2007

Changes that could cause a break in the consistency of data items over time: Changes that could cause a break in the consistency of data items over time: Transfer of all waterquality data from Triton database to KiWQM database.Change in laboratories undertaking sample analysis (2014).



INTERPRETABILITY

Low



✓ Information is available about the primary data sources and methods of data collection. (For example: instruments, forms, instructions.)

✗ There is no **data dictionary** available to explain the meaning of data elements, their origin, format and relationships.

✗ There is no further information available to help users evaluate the accuracy of the data and any level of error.

✗ There is no further information available to explain concepts, help users correctly interpret the data and understand how it can be used.

✗ There is no further information available to explain ambiguous or technical terms used in the data.

Find out more about the more about the primary data sources and methods of data collection from <http://waterinfo.nsw.gov.au/stop/stop/stop/>



ACCESSIBILITY

Medium



✓ This dataset or data source is available online with an **open licence** –Attribution (CC BY)

✓ This dataset or data source is available in a **machine-processable, structured format**.

✓ This dataset or data source is available in a **non-proprietary format**.

✓ This dataset or data source is described using **open standards** and **persistent identifiers**.

✗ This dataset or data source is not **linked to other data**.

This dataset or data source is available in the following digital file types or formats: CSV

Additional information about the use of identifiers and links to other data: N/A

Information to help users evaluate relevance

Scope & Coverage:

What the data was designed to measure, monitor, or report: What the data was designed to measure, monitor, or report: Monitoring and reporting on NSW surface waterquality. Assessment of Basin Plan water quality targets. Inform water sharing plans and development of Water Quality Management Plans.

Target of the data collection: NSW

There were no individuals, groups or occurrences excluded from the data collection.

Geographic detail:

Data cover the following geographic area(s): State

The data are available at the following levels of geography:XY (geocode)

At lower levels of geography, the data are represented or apportioned as follows: N/A

Outputs:

The data are available as: Primary (original raw numbers), Published (unstructured content, assembled into a form suitable for wide dissemination)

Other cautions:

The data does not represent or cover: The data does not represent or cover: Water storages.

Other cautions or recommendations to enable effective use and interpretation of the data: N/A

Reference period:

Period for which the data were obtained: 01-07-2007 - 30-06-2012

There were no exceptions to the data collection or observation period. (eg delays in receipt of data, changes to recording processes)

Timing:

Updates and revisions: Other

Revision policy: Revision policy: Data is not published until fully reviewed, checked and quality coded. Identified errorsare investigated and resolved prior to quality coding. Data revision not required post publication.

The data became available (ie released or published) on: 31-12-2012

Frequency of production:

Data is collected or expected to be produced: Monthly

DATA DISCLAIMER

NSW Government is committed to producing data that is accurate, complete and useful. Notwithstanding its commitment to data quality, NSW Government gives no warranty as to the fitness of this data for a particular purpose. While every effort is made to ensure data quality, the data is provided “as is”. The burden for fitness of the data relies completely with the User. NSW Government shall not be held liable for improper or incorrect use of the data.

For more information about this dataset or data source, contact:

Sue Botting

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Custodian phone:

02 8838 7849



Understanding the Data Quality Statement

The data quality statement aims to help you understand how a particular dataset could be used and whether it can be compared with other, similar datasets. It provides a description of the characteristics of the data to help you decide whether the data will be fit for your specific purpose.

About the quality rating:

The reporting questionnaire asks five questions for each of these data quality dimensions:

- Institutional Environment
- Accuracy
- Coherence
- Interpretability
- Accessibility

For each question: “yes” = 1 point; “no” = 0 points

The number of points determines the Quality Level for each dimension (high, medium, low).

Only dimensions with four or five points receive a star.

Points	Quality Level	Star / No Star
0	LOW	No Star
1	LOW	No Star
2	LOW	No Star
3	MEDIUM	No Star
4	MEDIUM	Star
5	HIGH	Star

More information?

The data quality reporting questionnaire and further explanation of the data quality dimensions is provided in the NSW Government Standard for Data Quality Reporting published at <http://finance.nsw.gov.au/ict/data-interopability-standards>



Evaluating data quality

Quality relates to the data's "fitness for purpose". Users can make different assessments about the data quality of the same data, depending on their "purpose" or the way they plan to use the data.

The following questions may help you evaluate data quality for your requirements. This list is not exhaustive. Generate your own questions to assess data quality according to your specific needs and environment.

- What was the primary purpose or aim for collecting the data?
- How well does the coverage (and exclusions) match your needs?
- How useful are these data at small levels of geography?
- Does the population presented by the data match your needs?
- To what extent does the method of data collection seem appropriate for the information being gathered?
- Have standard classifications (eg industry or occupation classifications) been used in the collection of the data? If not, why? Does this affect the ability to compare or bring together data from different sources?
- Have rates and percentages been calculated consistently throughout the data?
- Is there a time difference between your reference period, and the reference period of the data?
- What is the gap of time between the reference period (when the data were collected) and the release date of the data?
- Will there be subsequent surveys or data collection exercises for this topic?
- Are there likely to be updates or revisions to the data after official release?