

Water Quality Analyser

Evaluate water quality data and compare results with targets.



Water Quality Analyser is for water managers, scientists and engineers who need to monitor in-stream water quality, estimate pollutant loads, or set future water quality targets.

With a straight-forward user interface and a focus on visualising data inputs and outputs, Water Quality Analyser helps to identify water quality trends and simplifies the path to a summary assessment.

Using Water Quality Analyser

Many organisations invest a great deal of time and effort in collecting water quality data. The collected data may be stored in many different ways, ranging from Excel spreadsheets through to complex relational databases. However, it is often difficult to access the required information without the assistance of a database expert.

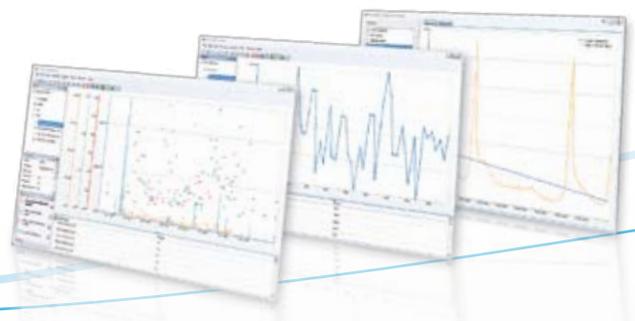
Water Quality Analyser has been developed to provide a simple interface to any text-formatted database, making it easy to access and scrutinise the required water quality data. It also enhances the ability to effectively share data within and between organisations.

Water Quality Analyser brings together a collection of analytical and statistical tools, databases, a knowledge base, electronic documents (such as water quality guidelines) and a decision support system. It builds on default guideline values from ANZECC and ARMCANZ as well as some state-specific values (for example, Queensland Water Quality Guidelines 2006).

KEY FEATURES:

- Assess water quality
- Compare water quality with statutory guidelines
- Cleans up dirty data
- For monitored and modelled data from many sources

Now available



Water Quality Analyser



- Delivering improved data access, evaluation, visualisation and reporting.

How it works

WQA analyser provides an easy-to-use interface that brings together an array of tools to help the user analyse and collate water quality data.

Data Management Module

- a versatile time series data management utility designed for data access, validation, processing, transformation, visualisation and reporting

eGuide

- access to common water quality guideline documents
- fully searchable electronic format

Trend Tool

- detection of water quality trends
- statistical testing for changes and randomness in water quality and other time series data

Guideline Tool

- calculates locally relevant water quality guideline values
- stores guideline values in a searchable database for later recall
- tests new datasets against guideline values to provide a statistically sound indication of the health of a site

Loads Tool

- presents a variety of methods for estimating pollutant loads in streams
- time series of flow data or limited concentration values for both long-term and single events
- includes a function to calculate event mean concentration (EMC) values



The software has been developed to meet users' needs for better data access, visualisation and reporting.

Water Quality Analyser can be used by a broad range of users working in state and local governments, natural resource management agencies and research institutions as well as by consultants, landholders, and community-based groups.

Water Quality Analyser is the result of collaboration between eWater CRC and the Queensland Department of Environment and Resource Management (QDERM).

Want to know more?

Go to our website at www.ewater.com.au

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