AQUATIC
Informatics

Modern Software for Insight Into Your Water Data

aquaticinformatics.com

Greater Insight to Better Manage Your Water Resources

AQUARIUS delivers accurate, timely, defensible water information needed for the optimal use, sustainable management, and safeguard of precious water resources.

AQUARIUS is the leading software suite to acquire, process, model, and publish water data. Environmental monitoring agencies worldwide trust AQUARIUS to produce accurate water information in real-time. A modern design delivers the latest water science in an intuitive experience. Simplified data management, analysis, and information sharing enable better decisions for the sustainable management of water resources.

Regulatory Compliance

By automating data collection, quality controls, and reporting, AQUARIUS quickly turns raw hydrological data into publication-ready reports to streamline regulatory reporting.

Hydrometrics & Accounting

AQUARIUS is the world's leading water accounting platform, used by hundreds of agencies to quality control water data, build better rating curves, derive accurate flows, and model hydrological systems.

Operational Forecasting

Integrated observations and predictions for water conveyance in natural or man-made channels provide warnings and guidance for response.

Water Quality Management

AQUARIUS is the preferred software used globally to better assess, improve, and preserve the quality of water resources through greater insight.

Flood Management

Graphical information about real-time and predicted reservoir levels, stream-flows, and rainfall enable officials to take decisive actions to safeguard lives and infrastructure against flood dangers.
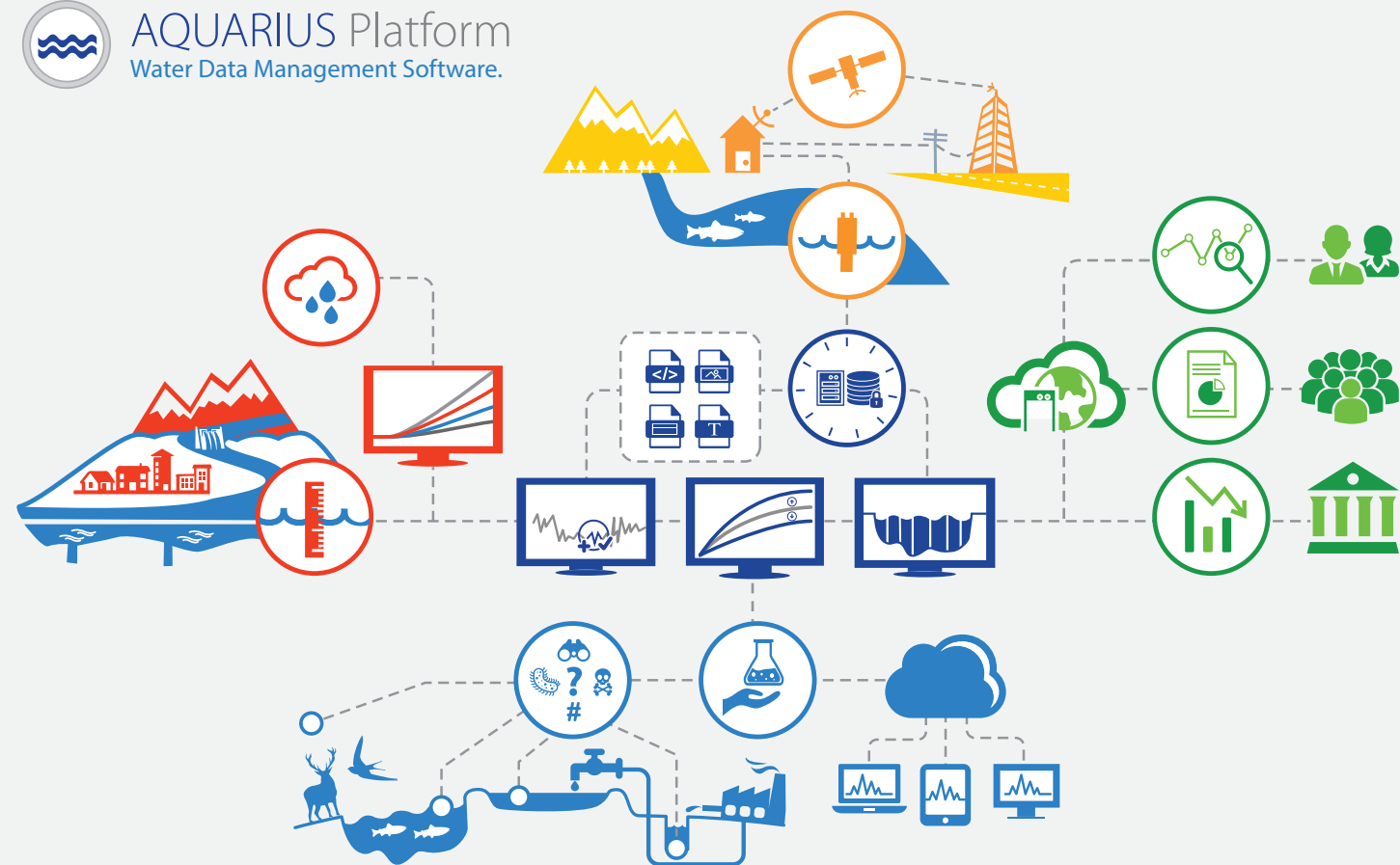
Water Resource Management

Centralized water data management and powerful analytics deliver the insight required to optimize multiple watershed objectives.

Urban Water Management

Cities and municipalities trust AQUARIUS for urban water resource data management to produce timely information of the highest standards.

AQUARIUS Platform
Water Data Management Software.

AQUARIUS Time-Series
Efficient, Accurate & Defensible Water Data.

AQUARIUS Time-Series is the most powerful platform for managing water resources. Environmental data from multiple sources are securely stored for fast, central access. Its simple design delivers the latest science in an intuitive interface. Water managers can easily correct and quality control data, build better rating curves, derive statistics, and report in real-time to meet stakeholder expectations for timely, accurate water information.

AQUARIUS WebPortal
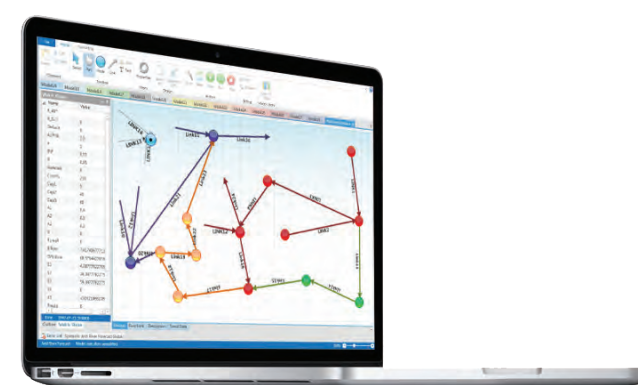### Right Data. Right People. Right Time.

AQUARIUS WebPortal is an elegant solution for delivering real-time online access to quality assured environmental data and services. Impress stakeholders with custom dashboards, rich statistics, intuitive maps, alerts, and live reports – empowering them to make better decisions anywhere.

AQUARIUS Samples
Sample Management Made Easy.

AQUARIUS Samples streamlines the production and management of environmental lab and field sample data, saving time while increasing the quality of final data. All your discrete water, air, soil, biological, and tissue data are securely stored and validated online for rapid analysis and visualization – so you can make better decisions anytime, anywhere.

AQUARIUS Forecast
Simpler Workflows. Complex Models.

AQUARIUS Forecast is modern software for advanced environmental modelling, delivering higher accuracy, speed, and a decisive edge. Simpler workflows make it easier to build sophisticated models of complex water resource systems. AQUARIUS Forecast is your vital decision support tool.

AQUARIUS Cloud
All the Power. No IT Hassle.

AQUARIUS Cloud is software as a service (SaaS). Instead of owning and operating AQUARIUS on your servers, you can now subscribe to any AQUARIUS solution hosted in a secure, private cloud – without up-front capital or IT labour costs. Deployment is faster and system health remains optimal because we set up and operate AQUARIUS for you.

AQUARIUS EnviroSCADA
Real-Time Water Data Acquisition.

AQUARIUS EnviroSCADA is the most robust data acquisition software used by leading water and environmental monitoring agencies worldwide. Modernized data acquisition networks require AQUARIUS EnviroSCADA to ensure real-time, reliable data collection.

WHY AQUARIUS?

Global Community

Modern Efficiencies

Better Insight

The world is changing. Data volumes are massive. Aging environmental data management systems have not kept pace. Dispersed spreadsheets are slow and error prone, while customized solutions are expensive to maintain. AQUARIUS is the modern solution to cost-effectively manage your water data.

Higher Quality Data

"Since purchasing AQUARIUS Time-Series in 2008, we have dramatically increased the accuracy and quality of our stream gaging network statewide. All records are collected and reduced to USGS standards now, which has contributed to a much more reliable data set. By also employing the AQUARIUS WebPortal to serve up near real-time data to our field staff as well as the public, fact-based decisions can be made on the fly with confidence."

– Loren Smith, Wyoming State Engineer's Office

"AQUARIUS enabled consistent processes and procedures to be replicated state-wide to manage sampling workflow, collection of field data, and integration of laboratory results. Furthermore, consistency with data management facilitated reporting of drinking water, wastewater, and groundwater data to staff improving efficiency and accuracy in monitoring performance of assets and making water management decisions."

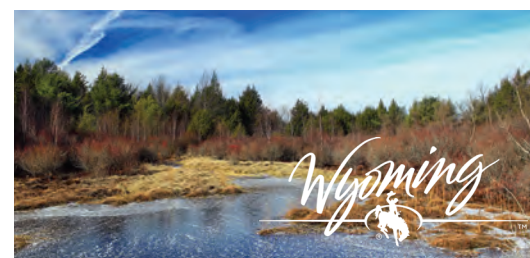– Donna Hollis, TasWater

Efficiencies & Time Savings

"Historically, three technicians processed environmental data from only 14 stations using basic office spreadsheets. Today, we use AQUARIUS Time-Series to manage data from more than 100 stations in real-time, not only for stream flow data, but also for soil moisture, temperature, solar radiation, precipitation, and ten more meteorological parameters. Only two technicians are doing this job and we have time to do more in the office and in the field! Outstanding!"

– Roberto A. Cerón, Ministerio de Medio Ambiente y Recursos Naturales, El Salvador

"With over 400 gaging sites collecting data in all corners of Wyoming, the time savings in records reduction has been well worth the investment. We have realized about a 50% time savings across the board, freeing up valuable limited staff time for other important work."

– Loren Smith, Wyoming State Engineer's Office

Modern, Intuitive & Easy to Use

"AQUARIUS manages and displays time series faster and easier than any other software I've used. We use it to manage over 600 surface water sites, with numerous series recorded at each site. This data is automatically ingested from half a dozen sources, each with a different format and each with a different reporting frequency. AQUARIUS gives us a platform that provides flexibility in the acquisition and centralization of our data needs, and of course, ease of subsequent management."

– Mike Schulz, Goulburn-Murray Water

"AQUARIUS makes it possible for me to do things with data that otherwise would be impossible. With AQUARIUS I have all the data right at my fingertips. I never have to prune data or make decisions about which part of the data I should manipulate. AQUARIUS has empowered me to do so much more data exploration than I could have undertaken if I was stuck using Excel. I'm not aware of any other software on the market that does what AQUARIUS does."

– Dr. Susan Libes, Waccamaw Watershed Academy, Coastal Carolina University

Real-Time Decision Support & Streamlined Regulatory Compliance

"AQUARIUS has allowed us to efficiently update statistical water supply forecasts on a daily basis. Since BC Hydro is largely a hydropower producer, our water supply forecasts are basically our revenue forecasts. With AQUARIUS we now have a long-term solution that is easy for our team to maintain and support."

– Stephanie Smith, BC Hydro

"All of our official water records are managed in AQUARIUS to streamline complex regulatory reporting requirements. Using AQUARIUS as our water accounting solution allows the NCPA to build accurate rating curves as well as manage and compute all of our water data in accordance with USGS standards – this is critical as a FERC cooperator interfacing with the USGS."

– Randy Bowersox, Northern California Power Agency

AQUARIUS Is the Preferred Solution for Data Management

Water Survey of Canada – Over 3,500 Stream Gage Stations

Water Survey of Canada trusts AQUARIUS Time-Series & AQUARIUS EnviroSCADA for the acquisition and management of data from over 3,500 stream gauges, across 28 field offices, for over 200 hydrographers.

U.S. Geological Survey – Over 16,500 Real-Time Stream Gage Stations

The U.S. Geological Survey chose AQUARIUS for use by 3,000 employees of the Water Resources Division to more efficiently manage water time series data nationally from 16,500 stream gauging, groundwater, water quality, and precipitation sites. Big Data is being collected – with over 1,000,000 time series, the USGS data acquisition system results in 50,000 appends per hour, with multiple parameters per site. By moving to the most modern commercial environmental time series data management platform, the USGS has increased data consistency, comparability, and reliability.

500+ Customers of national agencies, state, regional and local water authorities, hydropower operators, mining companies, consulting organizations, and academic groups around the world trust AQUARIUS software. Thousands of hydrologists and scientists rely on AQUARIUS every day.

World-Class Support Team

"Thank you for the quick and concise help, I appreciate it! Your support is the best!"
– Rusty Eddy, Sierra Hydrographics