AQUARIUS
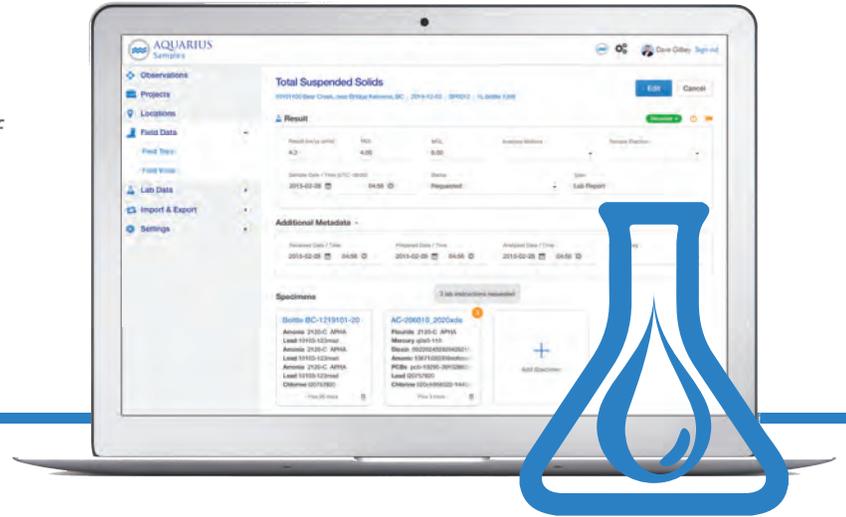## Samples

Environment Data in the Cloud
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.

Water Quality
Stay Informed

AQUARIUS Samples delivers the insight to ensure safe, reliable water supply. It centralizes sample water data previously isolated in disparate programs like toxics inventories, TMDLs, cleanup programs, and Clean Water Act permitting. Better decisions improve water quality in our natural waters, drinking water, waste water, and groundwater.
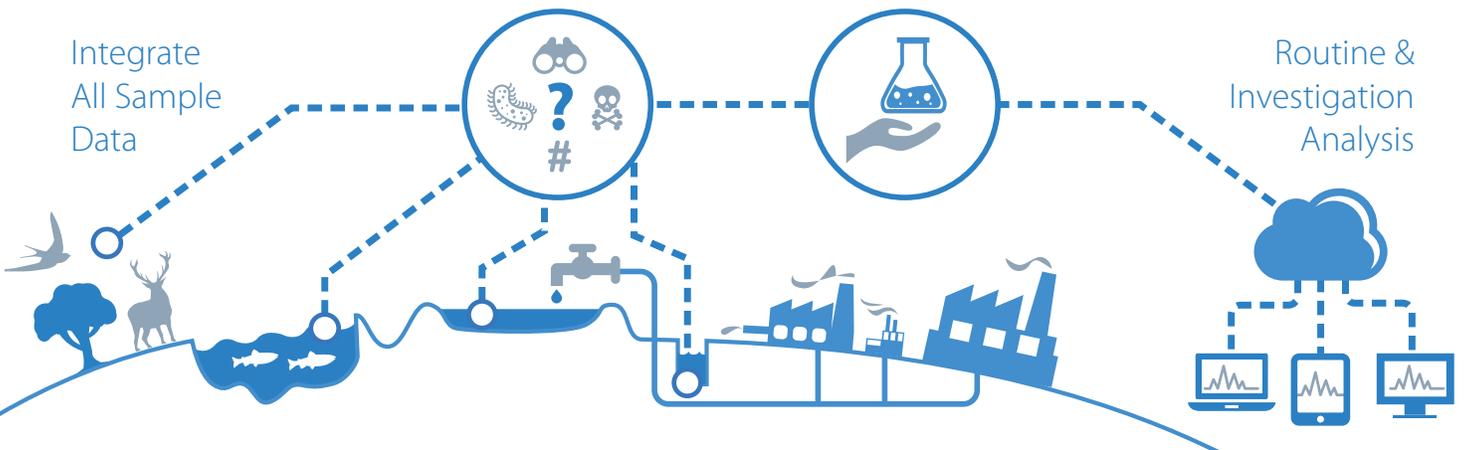
Environment Health
Take Decisive Action

AQUARIUS Samples is optimized for managing all environmental media – including air, soil, biological, and tissue – to evaluate toxicity to flora, fauna, or human life. Timely insight supports decisive action to react to storms, algal blooms, industrial discharge, chemical spills, construction activity, sewage spills, and other environmental health challenges.

Regulatory Compliance
Streamline Reporting

AQUARIUS Samples centralizes all the data and workflows necessary to track and calculate stressors and pollutants. It streamlines reporting to demonstrate compliance, for example, to the Clean Water Act. Users can easily export WQX compliant files for submission to the US Environmental Protection Agency, greatly simplifying electronic reporting.

Integrate
All Sample
Data

Routine &
Investigation
Analysis

Get Centralized Access to Your Data Online

AQUARIUS Samples provides a single source of truth by securely centralizing all your environmental sample data, metadata, and workflows in the cloud. Spend less time manually managing data by replacing dispersed, isolated spreadsheets or aging systems that have become hard to maintain and cumbersome to use. Empower all authorized users with online access to the data they need, whenever, wherever, from any device.

Gain Insights & Find Answers in Minutes

AQUARIUS Samples speeds up data discovery, search, and analysis. All data in AQUARIUS Samples is searchable. Powerful, flexible filters allow you to instantly zone in on the current and historical data you seek. With one click more, you can export or visualize data in maps, charts, tables, and box plots to spot outliers, investigate trends, and make informed decisions.

Track Your Field Work & Project Status Anywhere

It is now easier to record all sampling and field work centrally using a web browser on desktops, laptops, or mobile devices. Define work to be done and track progress made, in the office or field. Technicians can enter results and observations on site, reducing transcription errors for better accuracy while boosting productivity. Templates streamline repetitive data entry, making it faster to record procedures and collection details.

Monitor Status of Lab Reports, Requests & Results

AQUARIUS Samples contextualizes the multitude of data around your laboratory results and observations into actionable information. Track which bottles were recorded when, where and by whom, and which analysis was requested. Monitor all requested and received lab analysis work to better manage outstanding lab data and quickly see the status of your ongoing sampling projects.

Streamline Importing & Validation of Lab Data

Spend less time reviewing lab reports and reduce data entry errors by uploading results directly into AQUARIUS Samples. Store all metadata delivered by labs including analytical methods, detection limits, and quality flags. Configurable validation rules and standards highlight lab results that require your attention – saving time in the process while ensuring the highest quality data.

Track QA/QC Work for Quality, Defensible Data

Manage and track all quality assurance and quality control work centrally. An automatic audit trail captures changes to results and metadata: know who did what, when, and where. Metadata describing how each result was collected and produced are easily accessible, facilitating collaboration while impressing stakeholders.

Keep Your Data Safe & Secure

With AQUARIUS Samples, your valuable data are hosted on Amazon Web Services to meet the strictest security standards. Configurable privileges allow only authorized users to gain access to the right data. Offsite data backups and failover safety ensure data are always safe.

Integrate with AQUARIUS Suite & Other Systems

AQUARIUS Samples is built using RESTful API's for easy integration with other systems. Because it uses the OGC Observations and Measurements Data Model, your data is highly interoperable. It integrates seamlessly with the world-preferred AQUARIUS Time-Series software to synchronize your discrete samples data with your continuous time series data for greater insight.

Save Time & Money

AQUARIUS Samples is a fully-managed software as a service (SaaS). Subscribing eliminates upfront capital outlays and IT labour costs. No software. No servers. You choose your subscription term and simply pay as you go. Aquatic Informatics deploys, upgrades, and fully maintains AQUARIUS Samples for you.