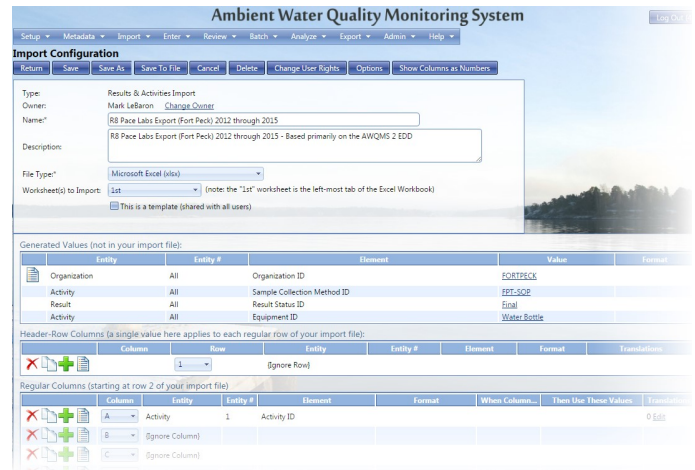**AWQMS is a comprehensive, web-based water quality data management system maintained by Gold Systems, developer of EPA's *Water Quality Exchange* (WQX), EPA's *WQX Web* data submission utility, and EPA's *ATTAINS* Exchange Network data flow.**
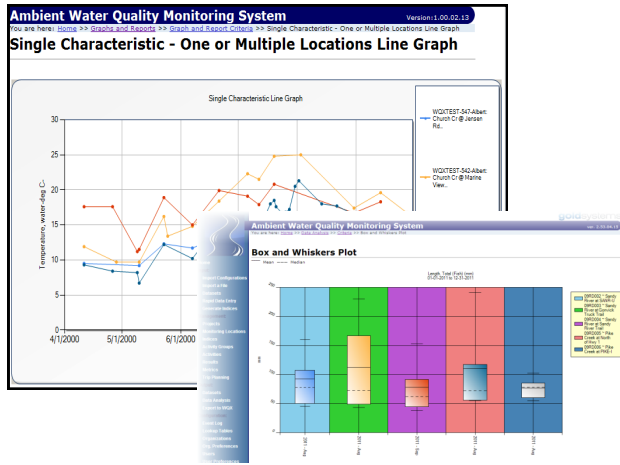
Data Input and QA/QC

- Batch-import delimited text or Excel data from many file layouts
- Manually enter data rapidly using configurable entry pages
- Make data corrections using detailed data management pages <u>or in batch mode</u>
- Find and resolve WQX data validation issues
- Validate results against user-provided QC thresholds and check for data consistency
- Review your data (search, sort, and filter)
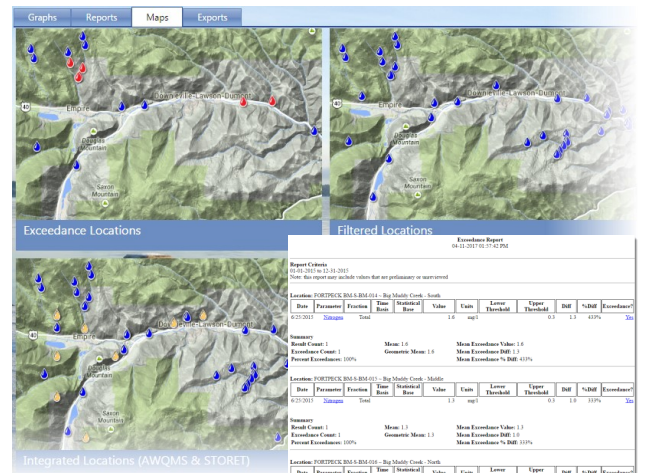- Plan your trip route locations, analytes, & bottles

Data Analysis Reports, Graphs & Maps

- Graph your data:
  Line, Bar, Combined Line & Bar, Box and Whiskers, Bi-Variate Scatter Plot w/Regression Line, Cumulative Frequency w/Histogram, Index Over Time, and more!
- Plot standards/criteria on graphs
- Generate statistical and exceedance reports
- Plot locations meeting certain criteria on a map
- Plot locations having exceedances on a map
- Perform analysis of variance (ANOVA) across locations
- Provide "portal" access to your public (optional)

Data Output

- Submit water quality data to the EPA WQX via the built-in node client or your own node (supports complete, partial, and incremental data submissions)
- Find and export data for additional assessment from locations where exceedances are occurring (supports association of locations, assessment units, designated uses, and use-thresholds for characteristics)
- Search for and export data ad-hoc in Microsoft® Excel and flat-file formats

Ambient Water Quality Monitoring System

Tried and True
AWQMS is in use by 8 state organizations, 85+ tribal water quality Programs across six EPA regions, two EPA regional offices, and over 70 volunteer programs, watershed groups, and municipal agencies in Colorado.

Works and Plays Well with Others
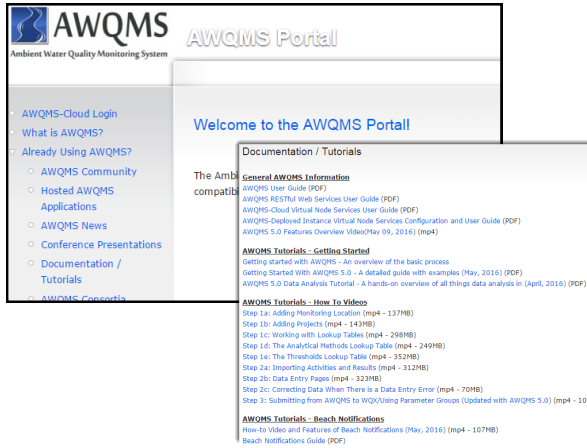The included web service APIs ensure that AWQMS integrates well with other enterprise systems.

Implementation

Cloud Hosted
Gold Systems hosts AWQMS in a secure data center
- A hosting fee covers hardware, database licenses, software licenses, database administration, and back-up
- You have 24/7 access to data, graphs, and reports with an internet connection and browser
- Updates and maintenance performed seamlessly on remote hosted servers
- Reliable, cost-effective, and easy

Support

Training, Support, and Customization
- Gold Systems facilitates the AWQMS Community
  - ◊ AWQMS Community portal with news, documentation, web-based tutorials and videos
  - ◊ Community calls / training webinars
- Contact Gold Systems for estimates for the following custom services:
  - ◊ Data migration
  - ◊ Instructor-lead training (on-site or remote)
  - ◊ Remote user support and assistance
  - ◊ Development of additional features
  - ◊ Integration of AWQMS with other systems

Pricing

Number of Organizations (Single Contract)	Monthly Hosting Pricing (2019)	Pre-paid Annual Hosting Pricing (2019)
Individual Tribal/Volunteer Organization	N/A	$2,867 (No setup fee)
Individual State/Corporation	Call for custom quote	$20,800 (No setup fee)
Tribal/Volunteer 2 – 20 Organizations	$357 first organization / $119 each additional	N/A
Tribal/Volunteer 21+ Organizations	Call for bulk discount	Call for bulk discount

goldsystems
INNOVATION THROUGH TECHNOLOGY

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