

EQuIS LakeWatch is lake and reservoir monitoring software. LakeWatch manages and analyzes freshwater data, provides trend changes over time and reports trophic (nutrient) level of the water.

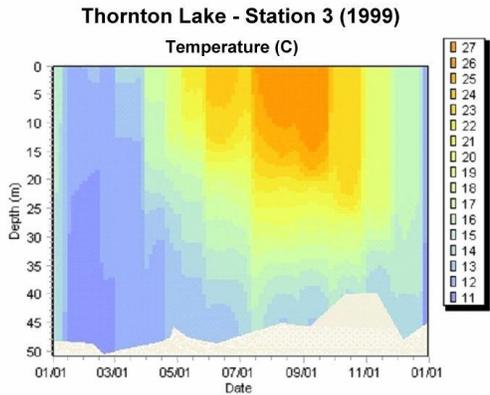
Lake and Reservoir Monitoring Software

Monitoring freshwater health has traditionally been focused on collecting data from lakes and reservoirs, but there has never been a single solution for analyzing trends within the data—until now. EQuIS LakeWatch employs next-generation database technology to manage collected freshwater data, analyze and trend changes over time, and report the trophic (nutrient) level of the water. EQuIS LakeWatch performs all of these tasks in a single application.

Better Freshwater Management

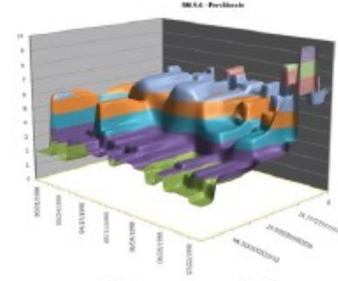
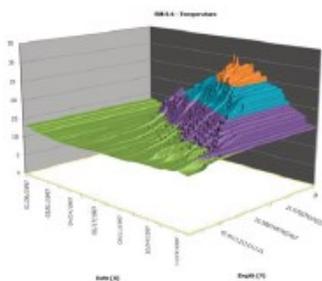
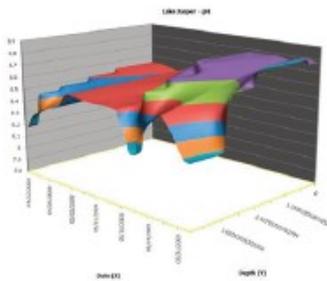
Monitoring the health of lakes, reservoirs, and estuaries can quickly become overwhelming during the collection phase. Without adequate storage, assessment, and analysis, freshwater data can quickly accumulate becoming a problem rather than a resource. EQuIS LakeWatch is a cost-effective tool that enables you to get the most from your data.

Import data from existing archives, or enter it directly, and use EQuIS LakeWatch to rapidly analyze, interpret, and communicate detailed results. With superb, easy-to-use graphical displays of all sample and profile data, you can investigate for integrity at the click of button. EQuIS LakeWatch helps you make informed management decisions.



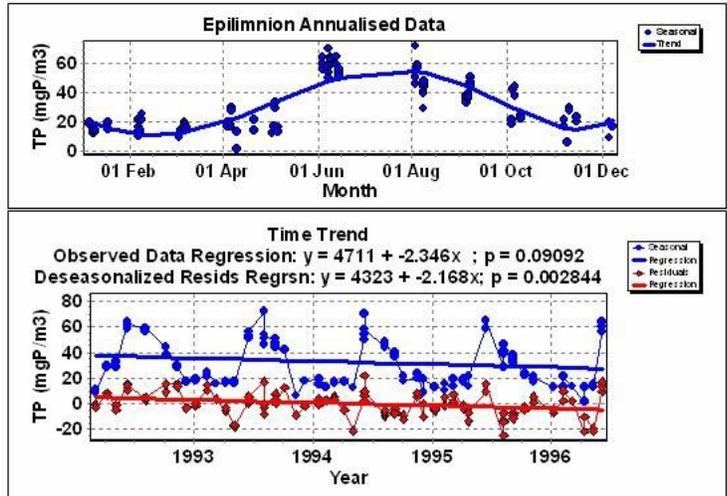
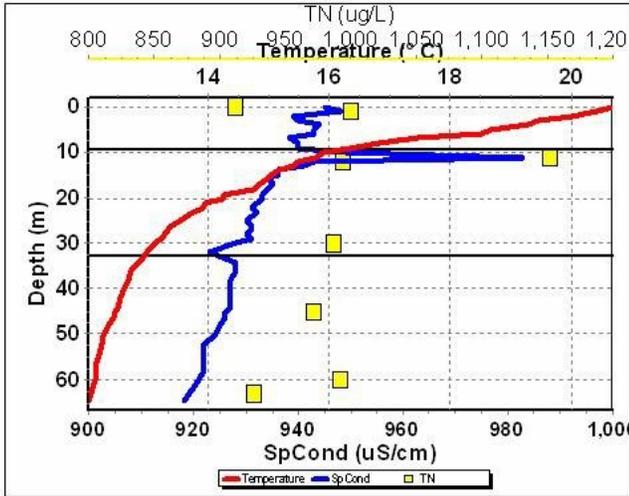
Rapid, Detailed Analysis

- ▶ Optimize trend analyses by analyzing data layer by layer
- ▶ Deseasonalize data
- ▶ Layer the display into epilimnion, thermocline, and hypolimnion
- ▶ Time-trend any variable
- ▶ Manage profile and depth-sampled physical, biological, and chemical data
- ▶ Reveal lake and reservoir processes
- ▶ Conduct sensitive time-trend analyses—for any variable and layer
- ▶ Integrate the results into a probability of lake trophic state change
- ▶ Create detailed, formatted reports for easy import into management documents



EQuIS™ LakeWatch Key Features

- | | | | |
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| <ul style="list-style-type: none"> ▶ Easy-to-use interface ▶ Compressive database ▶ Dynamic data updating ▶ Graphical display ▶ Formatting control | <ul style="list-style-type: none"> ▶ Sample data ▶ Hypolimnetic Volumetric Depletion Rate calculator | <ul style="list-style-type: none"> ▶ Combine chlorophyll, secchi depth, and total phosphorus & nitrogen trend results into a Trophic State assessment and regression analysis of the rate of change | <ul style="list-style-type: none"> ▶ Select automatically generated reports of results to insert into lake or reservoir management report |
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Store. Relational Database

- ▶ Database is structured in a logical hierarchy by waterbody, station, and sample date
- ▶ Configure and select your own monitored variables
- ▶ Database structure reduces tedious analysis

Visualize. Data Profiling

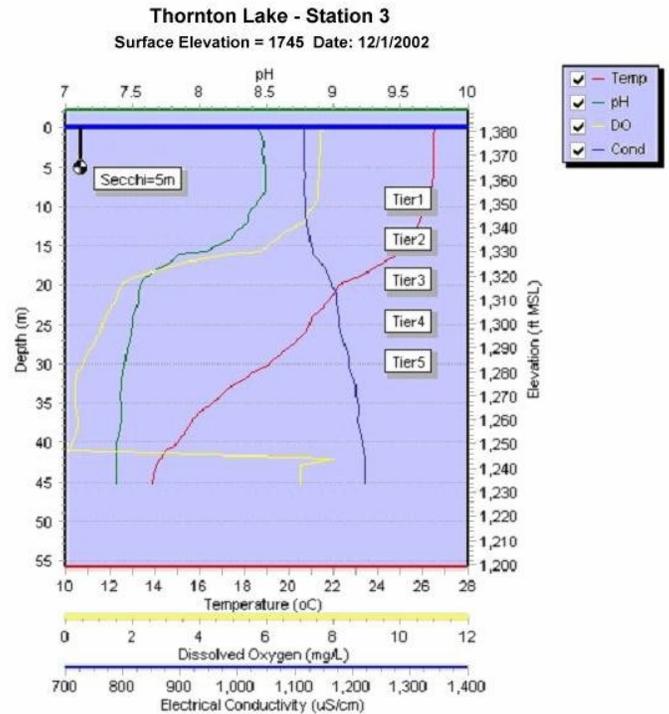
- ▶ See how any individual variable changes over time—season, year, etc.
- ▶ Interrogate data at the click of a button and profile it graphically
- ▶ Plot any variable against another over a data range

Analyze. Trend Evaluation

- ▶ Compile a dataset for analysis by selecting a set of monitored variables for a waterbody over any time period
- ▶ Isolate data from different thermal layers
- ▶ Show true, deseasonalized trends over time

Report. Preformatted Output

- ▶ Report the tropic level of a waterbody against an index and see the tropic level trend with time
- ▶ Change the look and feel of graphics to suit your reporting
- ▶ Copy and paste your graphs into other applications and resize them without loss of clarity



EarthSoft, Inc. PO Box 1376, Concord, MA 01742

978.369.2201 | sales@earthsoft.com

www.earthsoft.com

Own the workflow,
make better decisions