

Vertical Profiling Systems

HIGH RESOLUTION VERTICAL WATER COLUMN MEASUREMENT

Available in three different deployment configurations - Fixed, Pontoon, and Buoy - YSI Profiler Systems provide reliable, fully-automated data collection.

- Rugged, non-corrosive mechanical winch and drive mechanism
- Compatible with all YSI multiparameter water quality Sondes equipped with depth sensors
- Profile Wizard software for easy set-up and deployment
- Profile data analysis and export software
- User-selectable sample intervals
- Optional meteorological package
- Several wireless data transmission options available

6950 Fixed Profiling System Features:

- NEMA 4 enclosure for control electronics
- Bottom-referenced control point; physically set and controlled
- Profiles from the bottom up
- Mounts on a dam, pier, or piling

Applications Include:

- Hydropower: thermal phenomena, temperature
- Drinking Water: water quality, homeland security, salinity, DO, pH
- Research: upwelling events
- Industrial: drinking water holding tanks

Floating Profiling Systems 6951 Pontoon-Mounted and 6952 Buoy-Based Configurations Feature:

- Submersible, water-tight enclosure for control electronics
- Optional depth sounder which automatically compensates for varying water levels from tides, reservoirs levels, etc.
- Uses top and bottom as reference points for software controlled positioning
- Profiles up and down and parks at any depth
- Redundant error recovery logic detects unexpected activity and recovers automatically

Applications Include:

- Drinking Water Reservoirs: water quality, homeland security, salinity, DO, pH
- Research: upwelling events, open water
- General Monitoring: lakes, rivers, estuaries, bays

The YSI 6950 Fixed Profiling System



The YSI 6951 Pontoon Mounted Profiling system



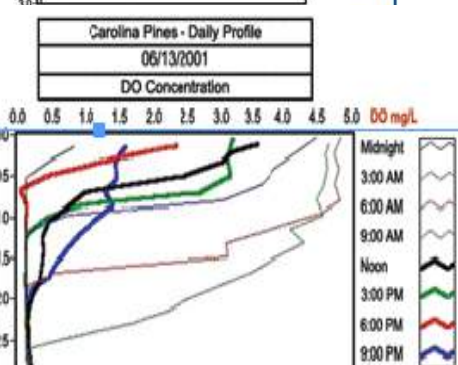
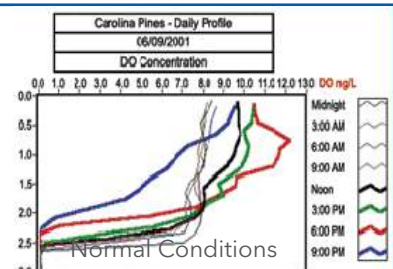
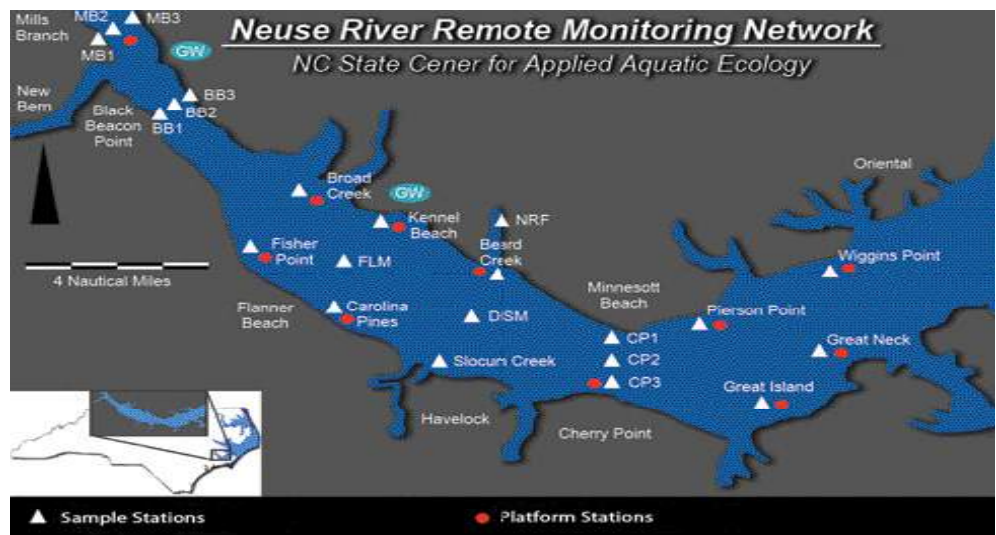
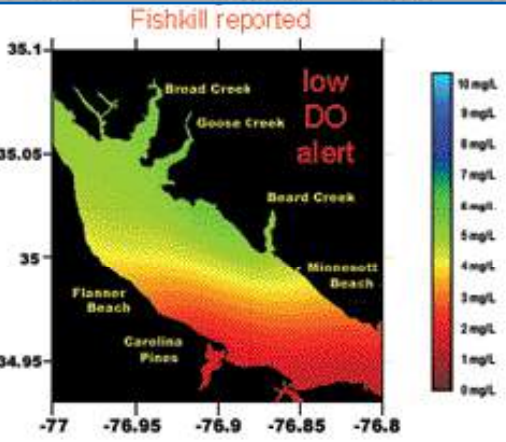
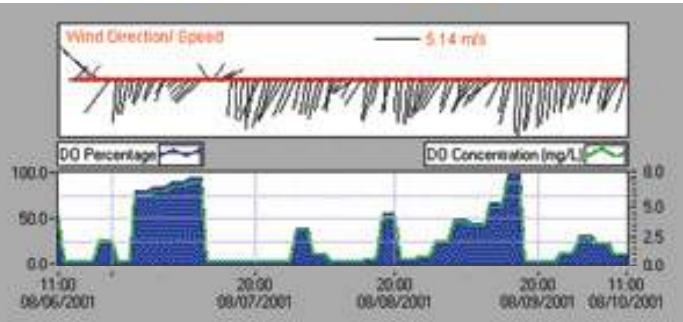
The YSI 6952 Buoy based Profiling System

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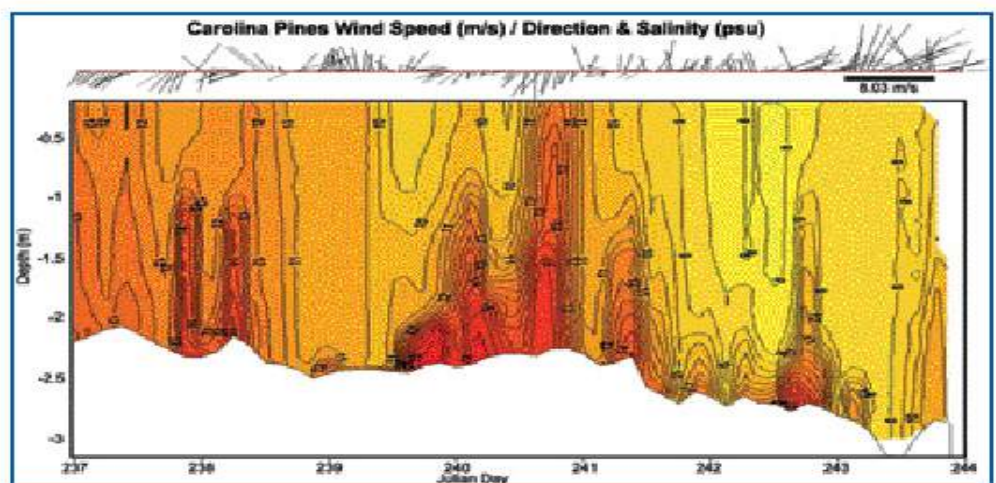
Profiling System Specifications

YSI Profiling Specifications

Minimum Profile Depth	1 meter
Maximum Profile Depth	100 meters
Depth Profile Setpoint Accuracy	±0.1 meters
Minimum Profile Step Size	0.5 meter
Maximum Profile Frequency	-50% of duty cycle
Standard Payload	YSI multiparameter water quality Sonde with depth
Power Requirement	12V DC 18 ah min



Anoxic upwelling event with a reported fish kill



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www.xyleminc.com

YSI Integrated Systems & Services Inc.
9843 18th Street North, Suite 1200
St. Petersburg, FL 33716
O: +1 727.565.2201