



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.



The YSI 6950 Fixed Profiling System

- Rugged, non-corrosive mechanical winch and drive mechanism
- Compatible with all YSI 6-Series sondes equipped with depth
- 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

YSI 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



The YSI 6951 Pontoon Mounted Profiling System with Meteorological Package

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 or 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 6952 Buoy Based Profiling System

Pure
Data for a
Healthy
Planet.®



Vertical Profiling Deployment

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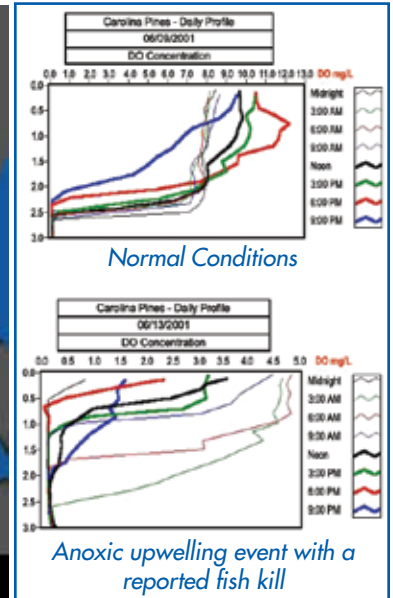
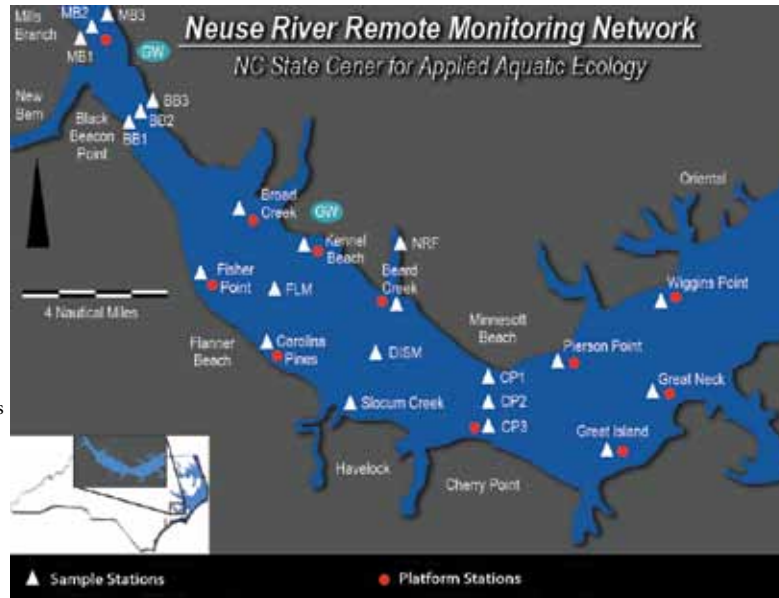
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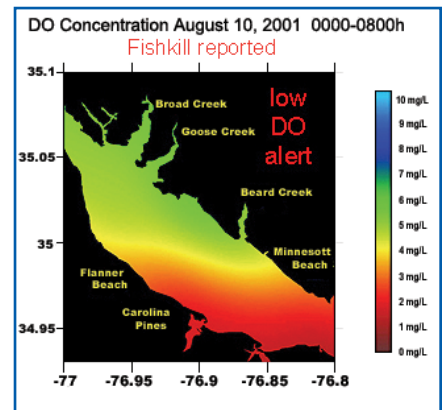
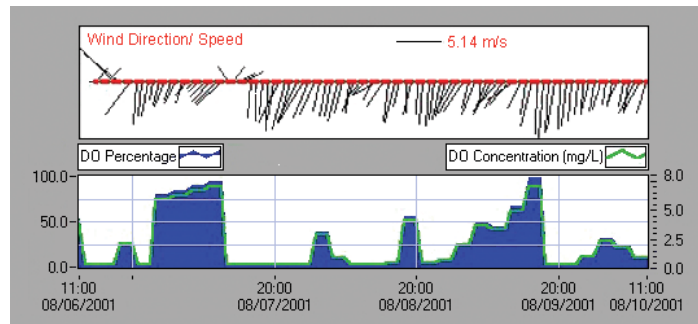
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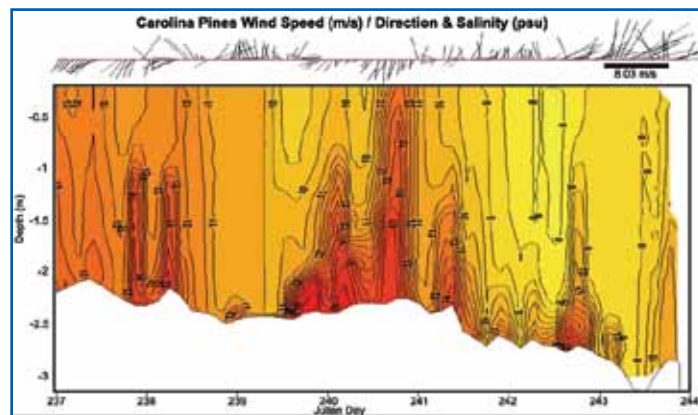
Yellow Springs, Ohio Facility



The raw data (above) from a YSI Profiling System can be used for advanced analysis and modeling like wind-driven dissolved oxygen event analysis (left).



Above: Advanced modeling of a low dissolved oxygen concentration event with a reported fish kill.



Left: Advanced analysis of wind-driven salinity trending.

YSI Profiling Systems Specifications

Minimum Profile Depth	1 meter
Maximum Profile Depth	100 meters
Depth Profile Setpoint Accuracy	±0.1 meter
Minimum Profile Step Size	0.5 meter
Maximum Profile Frequency	~50% of duty cycle
Standard Payload	YSI 6-Series sonde with depth
Power Requirement	12V DC 18 ah min
Cable Options	50 meter, 100 meter

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