

# FONDRIEST ENVIRONMENTAL, INC.

*when your research demands quality data*



## **Our Promise**

We are committed to supporting and supplying environmental professionals with the best tools and information needed to succeed. Whether you are planning your next project or knee-deep in water, our team of technical experts is available to help.



## Company Foundation Blocks

**Website** - offer comprehensive product information and simplify ordering

**Learning Center** - write the the book on environmental measurements

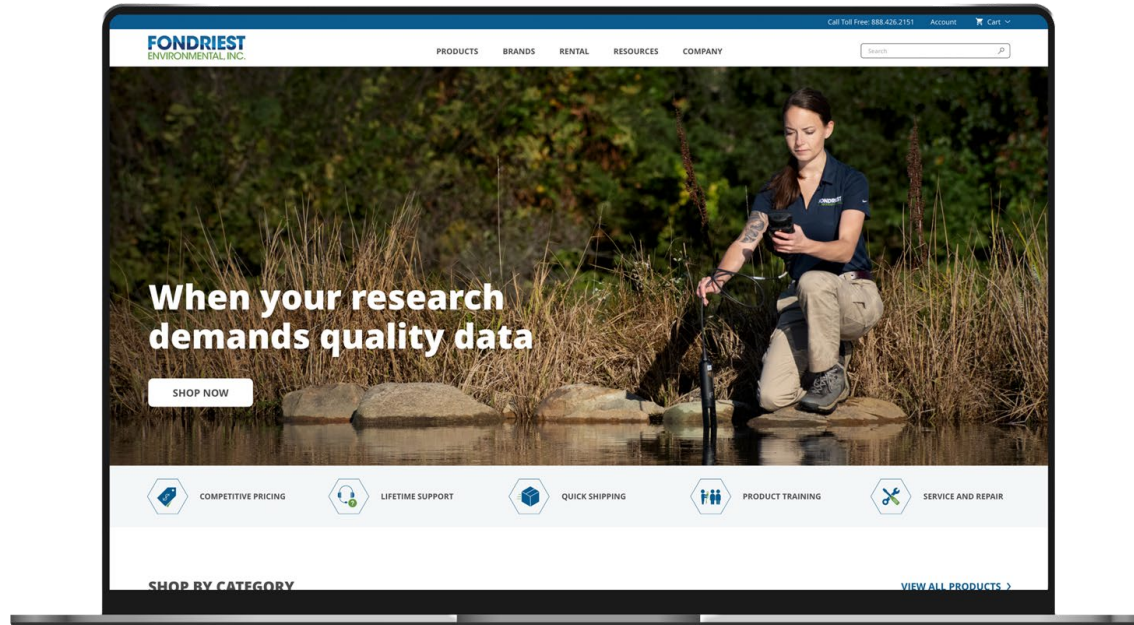
**Environmental Monitor Magazine** - provide industry news and be in the know

**Field Station and Science Team** - practice what we preach

**Service, Support and Training** - offer the highest level of customer support

**Relationships** - build long-term relationships with our partners and customers

# Website - Ordering Online Simplified



# Premier brands




# Product Details

Call Toll Free: 888-426-2151 My Account Sign In Cart

FONDRIEST ENVIRONMENTAL, INC. PRODUCTS BRANDS RENTAL RESOURCES COMPANY

Search



**FONDRIEST EXCLUSIVE**  
**FREE ASSEMBLY AND CALIBRATION**  
SENSORS INSTALLED AND TESTED  
SHIPS WITH CERTIFIED CALIBRATION REPORT  
WHEN PURCHASED WITH CABLE AND SENSORS

ProDSS

YSI

ProDSS

Details Specs Contents Documents Q/A

**Key Features**

- Digital smart sensors are automatically recognized by the instrument and store calibration data
- Long-life lithium-ion battery, ensures reliability and minimizes waste
- 3 year instrument warranty; 2 year cable warranty (sensor warranties vary)

**Overview**

The YSI Pro Digital Sampling System (ProDSS) is a revolutionary handheld instrument for water quality spot sampling and profiling in the most demanding field conditions. The ProDSS is the most advanced handheld instrument available and can measure a wide range of parameters.

**Digital Sampling System - Smart and Easy-to-Use**

Any sensor (not included with meter purchase) can be installed in any of the 4 sensor ports, allowing for measurement of any combination of parameters. The ProDSS handheld features a menu-driven user interface and an onboard help key/function.

**Advanced Features and Durable Design**

The ProDSS features a graphic, backlit color display and a backlit keypad for visibility and easy menu navigation in all lighting conditions. The YSI ProDSS utilizes a rechargeable lithium-ion battery pack.


**Customizable**

The ProDSS handheld cable (cable management kit included with 10, 20, and 30-meter cables) and sensors are sold separately to provide many options when "building" a ProDSS system. The handheld features optional built-in GPS capability, while the cables (up to 100 meters) have an optional depth sensor. GPS coordinates can be stored with measurement data for geo-mapping in the provided PC data management software, KorDSS.

# Product Specifications

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Details | **Specs** | Contents | Documents | Q/A

- **Barometer:** Built-in barometer
- **Certifications:** RoHS, CE, WEEE, FCC, IP-67, 1-meter drop test, UN Part III Section 38.3 test methods for lithium-ion batteries (class 9), Assembled in USA
- **Connectivity:** Built-in micro USB port
- **Connector:** M5 (military spec) waterproof with quarter-turn bayonet lock (unsurpassed in regards to durability)
- **Data Management:** KorDSS desktop PC software (included)
- **Data Memory:** >100,000 data sets; 400 GLP files
- **Dimensions:** 8.3 cm width x 21.6 cm length x 5.6 cm depth (3.25 in x 8.5 in x 2.21 in)
- **Display:** Color, LCD graphic display; backlit keypad
- **Cables:** With or without depth sensors in lengths of 1, 4, 10, 20, 30, 40, 50, 60, 70, 80, 90 and 100-meters; 10, 20 and 30-meter cables include a cable management kit; all cables 10-meters and longer include a 1 lb weight
- **Flow Cell:** Yes; flow cell is available
- **GLP Compliance:** Yes; detailed GLP information is stored and is available to view, download or print
- **Languages:** English, Spanish, German, French, Italian, Norwegian, Portuguese, Japanese, Chinese (Simplified & Traditional)
- **Logging Modes:** Single point or Continuous
- **Operating Temperature:** 0 to 50°C (32 to 122°F)
- **Power:** Rechargeable lithium-ion battery pack providing ~48 hours of battery life (instrument only with backlight off)
- **Storage Temperature:** 0 to 45°C (32 to 113°F) with battery installed; 0 to 60°C (32 to 140°F) without battery installed
- **Sites and Data ID:** 100 user-defined sites and 100 user-defined data ID tags
- **Warranty:** 3-year instrument; 2-year bulkhead, cable assembly, and sensors; 1-year pH and pH/ORP sensor modules, ODO (opticalDO) sensor caps, and Li-Ion battery pack; 6-months ammonium, nitrate, and chloride sensor modules
- **Waterproof:** IP-67 (even with the battery cover off); floats
- **Meter Weight with Batteries:** 567 grams (1.25 lbs)

# Product Contents

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Details Specs **Contents** Documents Q/A

- (1) ProDSS multi-parameter display
- (1) Rechargeable lithium-ion battery (pre-installed)
- (1) Hand strap
- (1) USB cable for charging & PC connection
- (1) Universal AC charger
- (1) Cable for connection to USB memory stick
- (1) Quick start guide
- (1) USB memory stick containing KorDSS software and manual

**SELECT OPTIONS** **ADD TO CART** **REQUEST PROPOSAL**

Products 0 Item Selected

Image	Part #	Product Description	Price	Stock	Select
	626870-1	ProDSS multi-parameter water quality meter without GPS (cable/sensors sold separately)	\$2,153.65	2 Available	- 0 +

# Product Documents

Call Toll Free: 888-426-2151 My Account Sign In Cart

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ProDSS

Details Specs Contents Documents Q/A

- YSI ProDSS Multi-Parameter Water Quality Meter Overview
- YSI ProDSS Multi-Parameter Water Quality Meter Specifications
- YSI ProDSS Multi-Parameter Water Quality Meter Catalog
- YSI ProDSS Multi-Parameter Water Quality Meter Ordering Guide
- YSI ProDSS Multi-Parameter Water Quality Meter Quick Start Guide
- YSI ProDSS Multi-Parameter Water Quality Meter Manual
- YSI ProDSS Multi-Parameter Water Quality Meter Calibration Worksheet
- YSI ProDSS Multi-Parameter Water Quality Meter Calibration Guide

**SELECT OPTIONS** ADD TO CART REQUEST PROPOSAL

Products 0 Item Selected

Image	Part #	Product Description	Price	Stock	Select
	626870-1	ProDSS multi-parameter water quality meter without GPS (cable/sensors sold separately)	\$2,153.65	2 Available	- 0 +

# Learning Center

The screenshot displays the Fondriest Environmental Learning Center website. At the top left is the logo with the text "FONDRIEST ENVIRONMENTAL LEARNING CENTER". A navigation menu includes "PRODUCTS", "BRANDS", "RENTAL", "RESOURCES", and "COMPANY". A search bar on the right contains the text "Search the Learning Center" and a magnifying glass icon. A blue button labeled "Shop Fondriest" is in the top right corner. Below the navigation are four circular icons representing "Parameters", "Measurements", "Equipment", and "Applications", each with a brief description. The "Parameters" section is expanded, showing three sub-topics: "Algae, Phytoplankton and Chlorophyll", "Turbidity, Total Suspended Solids & Water Clarity", and "Dissolved Oxygen". The "Measurements" section is partially visible below.

**FONDRIEST**  
ENVIRONMENTAL LEARNING CENTER

PRODUCTS BRANDS RENTAL RESOURCES COMPANY

Search the Learning Center

Shop Fondriest

### Parameters

Learn the importance of environmental parameters, typical concentrations, influencing factors and abnormalities.

### Measurements

Understand the principles of operation behind various methods used to measure and monitor environmental parameters.

### Equipment

Learn about various sensors, meters and data acquisition systems used in environmental measurements.

### Applications

Review equipment and system setups for common fieldwork and corresponding guidelines.

#### Parameters

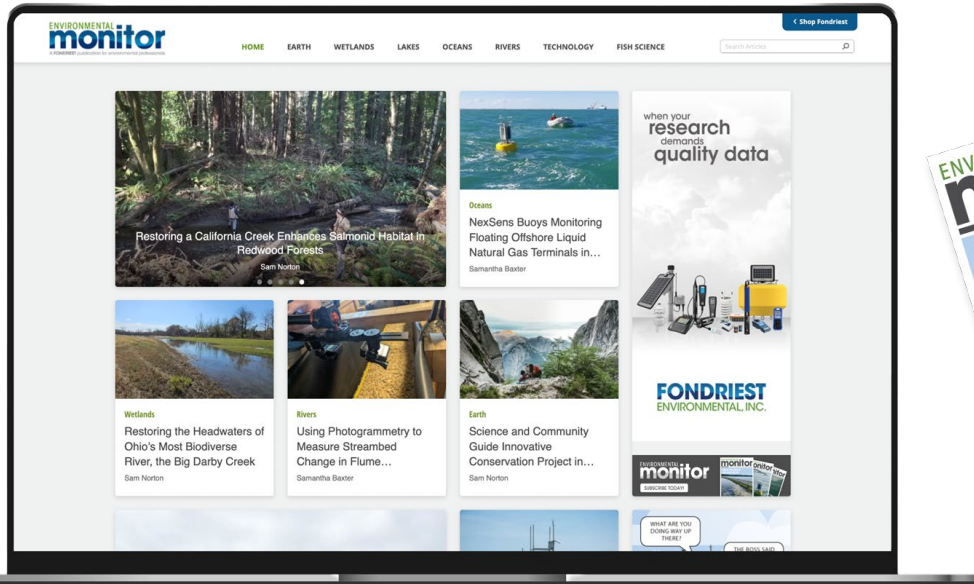
**Algae, Phytoplankton and Chlorophyll**  
Chlorophyll is a color pigment found in plants, algae and phytoplankton that is used in photosynthesis and allows plants to absorb energy from sunlight.

**Turbidity, Total Suspended Solids & Water Clarity**  
Turbidity is a measurement of water clarity and quality that is determined by the amount of light scattered by suspended solids and dissolved colored material.

**Dissolved Oxygen**  
Dissolved oxygen refers to the level of free oxygen present in water. Levels that are too high or too low can harm aquatic life and affect water quality.

#### Measurements

# Environmental Monitor Magazine

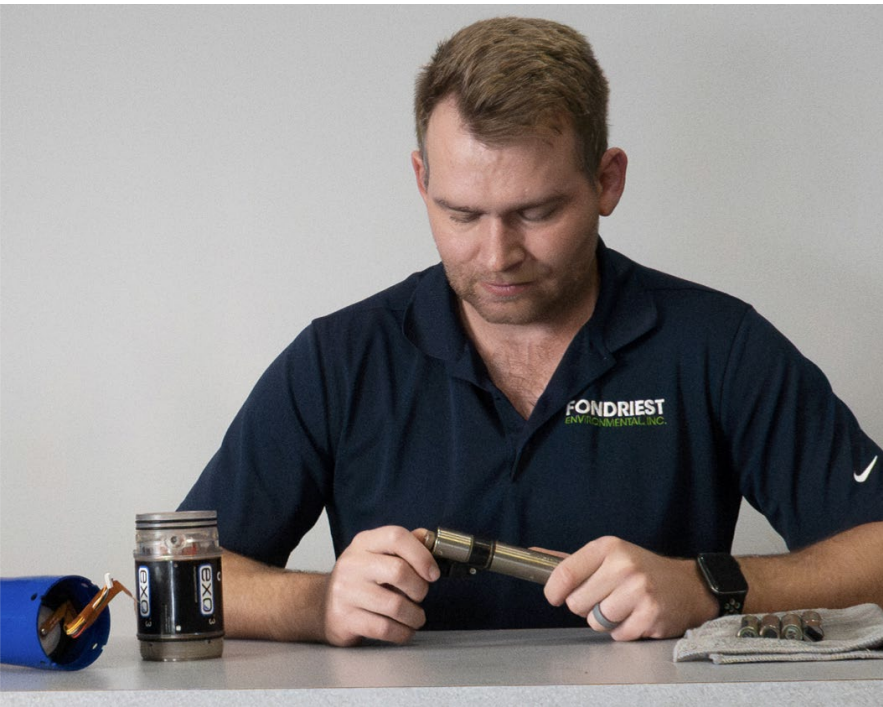


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# Field Station and Science Team



# Service, Support and Training



## Seal Inspection & Cleaning

Seals are cleaned of any contamination that may cause leakage, and damaged or missing o-rings are replaced.



## Cable Inspection & Testing

Cables are flex tested to check for shorts. Connectors and ports are cleaned of any moisture and corrosion.



## Sensor Reconditioning & Calibration

Sensors are reconditioned and calibrated so they are ready for use. New DO membranes are installed with fresh electrolyte solution.



## Circuit Board Performance & Upgrade

Circuit board performance is verified using a resistor box, and software is upgraded to the latest version.

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## Relationships

We understand that without our customers, we don't have a business.

We empower our team to prioritize your success above all else.





**Better Data.** It's never been easier.



## **NexSens Technology**

At NexSens our goal is to help people collect and share better data. Our team is comprised of science, engineering and technical professionals focused on developing environmental measurement solutions.



## Data Loggers

Wi-Fi

4G LTE Cellular

Iridium Satellite



## Sensors

NexSens

YSI

Other 3rd Party



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## Camera

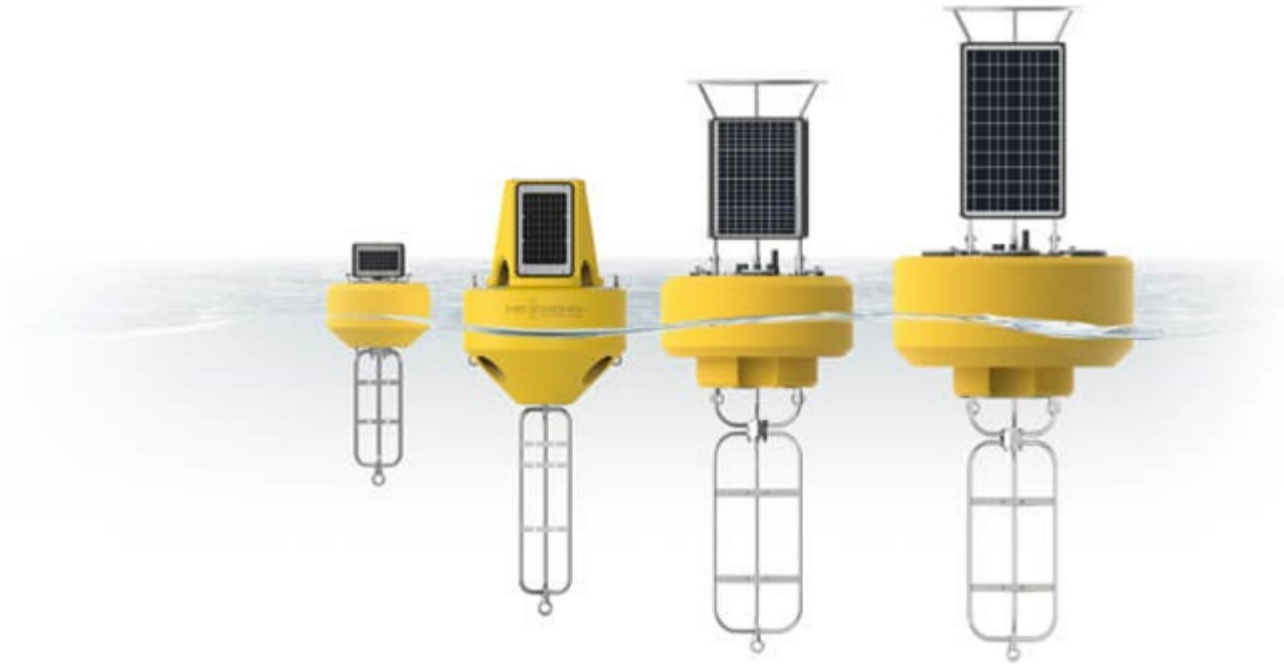
4G LTE Cellular

Video or Still Images



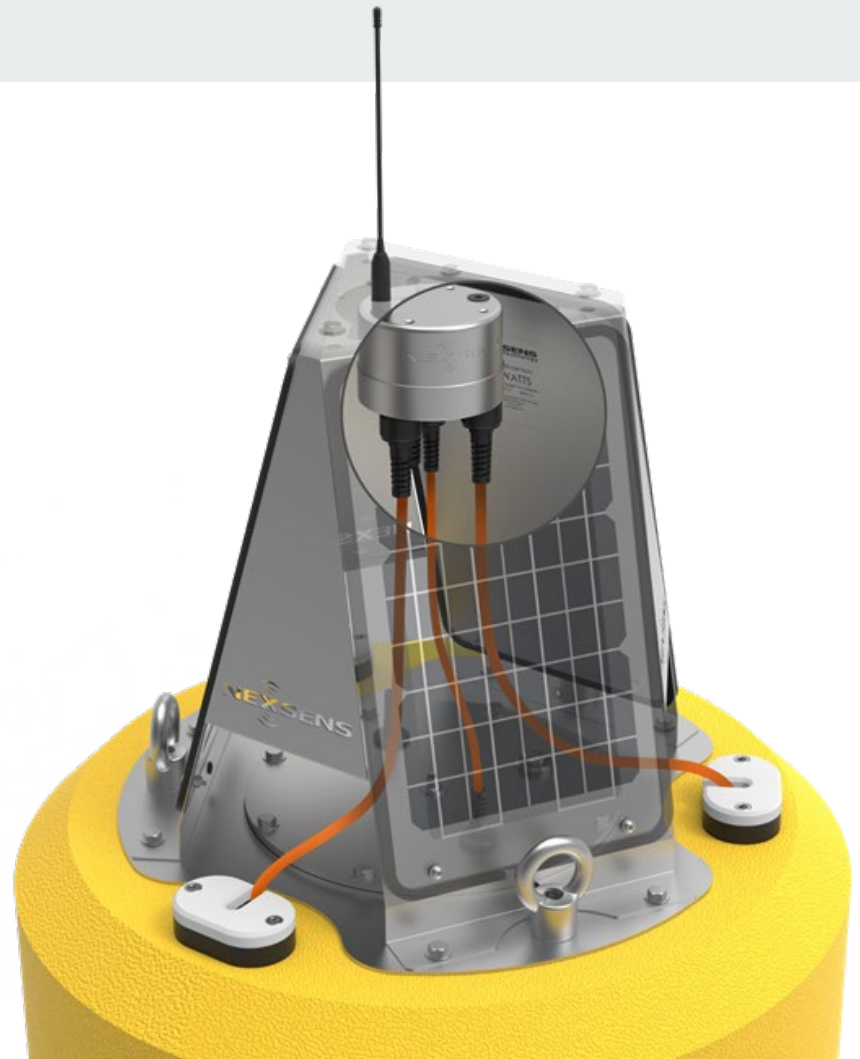


# Data Buoys





# Integrated Systems

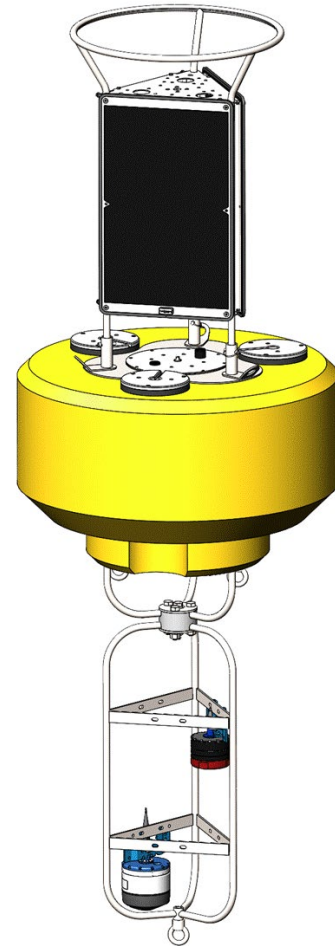
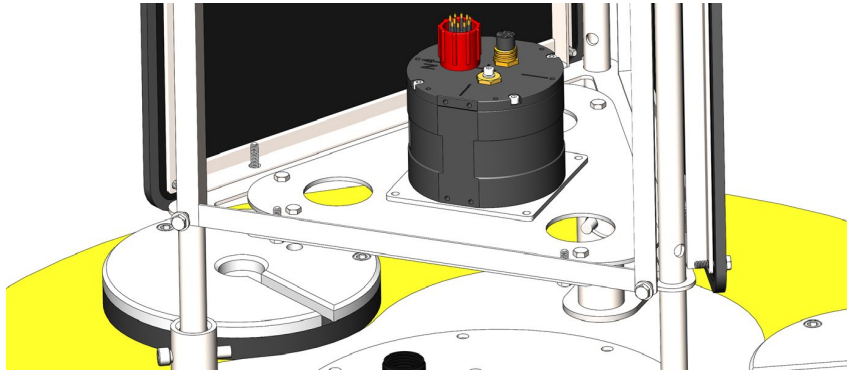




# Aanderaa Integration

Currents

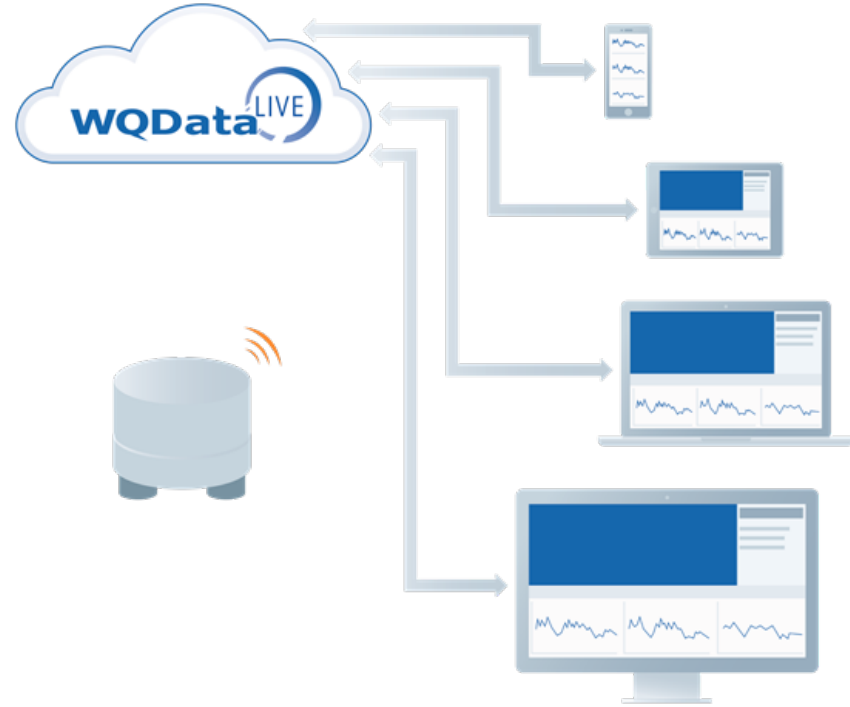
Waves



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## WQData LIVE

Cloud-based datacenter  
for collecting, storing,  
and sharing  
environmental data





### All Sites ✎ 📄

🔍 Search Parameters

#### Land Based Station

- X3-4G-01080 Data Logger
- Gill MaxiMet GMX200 ▼
  - Solinst Levelogger 5 ▼

#### Pond Buoy

- X3-4G-01078 Data Logger
- YSI EXO2 Sonde ^
    - YSI Temperature
    - YSI Sp Cond
    - YSI Turbidity
  - NexSens NX260 ^
    - NX Temperature
    - NX DO
    - NX Turbidity

#### Weather Station

- X2-C-VZ4G-01284 Data Logger
- YSI H-3401 ▼

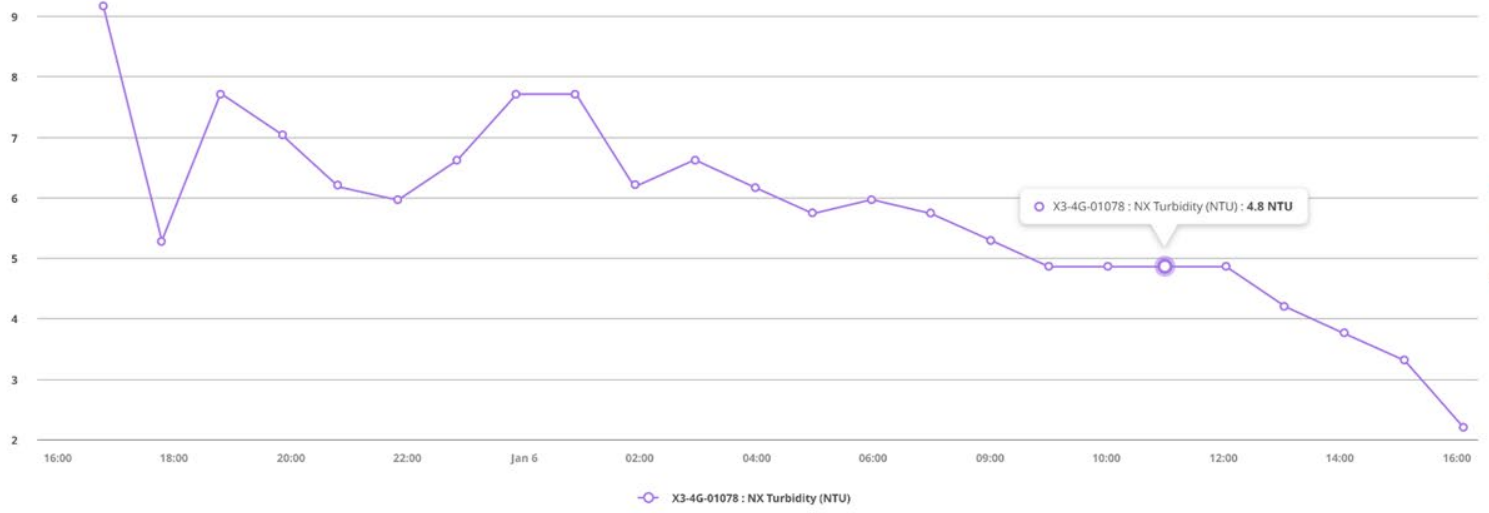
### Overview

Previous Next ▶ Play

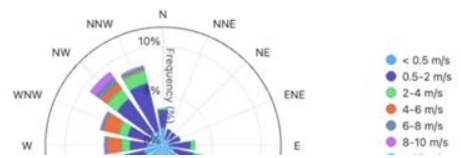
🗲 Customize

### Pond Buoy

D W M Y Start Date: 12/12/2025 End Date: 01/12/2026 📅 ⋮ ✎



### Wind Rose



### Project Photo

📄 View All ✎



### Support Our Project

[Donate Now](#)



Feedback



### All Sites

#### Land Based Station

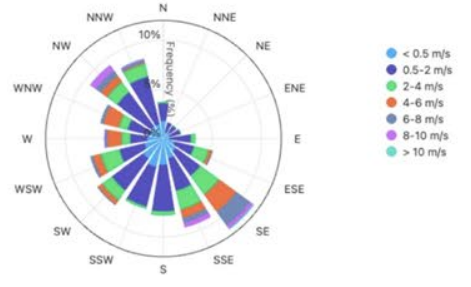
- X3-4G-01080 Data Logger
- Gill MaxiMet GMX200
  - Solinst Levelogger 5

#### Pond Buoy

- X3-4G-01078 Data Logger
- YSI EXO2 Sonde
    - YSI Temperature
    - YSI Sp Cond
    - YSI Turbidity
  - NexSens NX260
    - NX Temperature
    - NX DO
    - NX Turbidity

#### Weather Station

- X2-C-VZ4G-01284 Data Logger
- YSI H-3401



[Donate Now](#)

### Environmental News [View All](#)

- From Source to Sea: Monitoring and Protecting Santa Barbara's Hidden Creeks**  
Read Article
- Using Traditional Ghanaian Fishing Canoes to Monitor the Gulf of Guinea**  
Read Article
- How the Ohio EPA Uses Water Quality Data to Monitor Change in State Waterways**  
Read Article

### Field Notes [New Note](#) [View All](#)

- Emma McCroskey** 12/29/2025 8:00 am EST  
Lorem ipsum dolor sit amet, consectetur adipiscing elit. In efficitur libero sodales.
- Trevor Vorst** 11/15/2025 10:30 am EST  
Lorem ipsum dolor sit amet, consectetur adipiscing elit. In efficitur libero sodales diam blandit, tristique tristique mi ornare.
- Trevor Vorst** 11/15/2025 10:30 am EST  
 Lorem ipsum dolor sit amet, consectetur adipiscing elit. In efficitur libero sodales diam blandit.

### Event Monitor [Filter](#)

#	Name	Type	Status	Event Time
1	Low Power	Event	Trigger	2026-01-08 19:00:00
2	Low Dissolved Oxygen	Event	Trigger	2025-07-29 14:19:16

#### Project Description [Edit](#)

Write project description here...

#### Disclaimer [Edit](#)

Uncertainty and potential for error can be associated with

Feedback

### All Sites

Search Parameters

#### Land Based Station

##### X3-4G-01080 Data Logger

- Gill MaxiMet GMX200
  - Interval Rain
  - Daily Rain
  - Rain Intensity
- Solinst Levellogger 5
  - Pressure
  - Temperature
  - Level

#### Pond Buoy

##### X3-4G-01078 Data Logger

- YSI EXO2
  - YSI Temperature
  - YSI Sp Cond
  - YSI Turbidity
  - YSI pH
  - YSI ORP
- NexSens NX260
  - NX Conductivity
  - NX Temperature

### Parameter Comparison

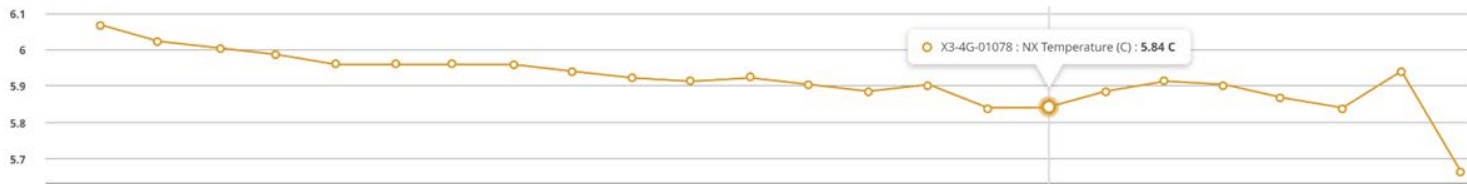
Previous Next Play

Customize

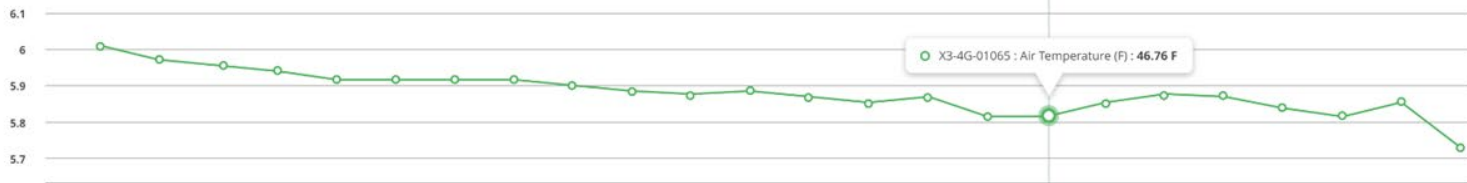
### Graph

D W M Y Start Date 12/12/2025 End Date 01/12/2026

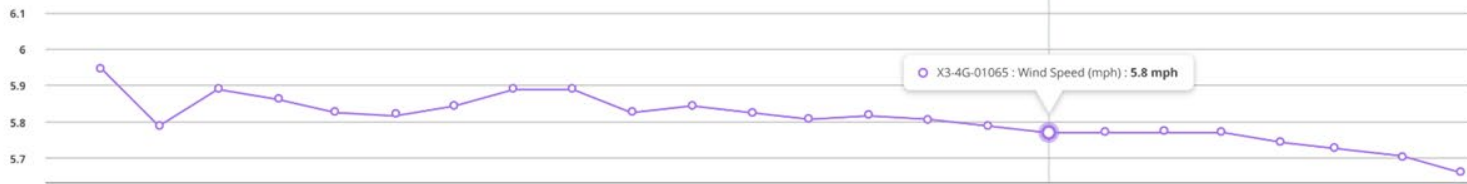
#### Pond Buoy | NX Temperature (C)



#### Weather Station | Air Temperature (F)



#### Weather Station | Wind Speed (mph)



Feedback



### All Sites

Search Parameters

#### Land Based Station

X3-4G-01080 Data Logger

- Gill MaxiMet GMX200
- Solinst Levellogger 5

#### Pond Buoy

X3-4G-01078 Data Logger

- YSI EXO2
- YSI Temperature
- YSI Sp Cond
- YSI Turbidity
- YSI pH
- YSI ORP
- NexSens NX260
- NX Conductivity
- NX Temperature
- NX DO
- NX Turbidity

#### Weather Station

X3-4G-01065 Data Logger

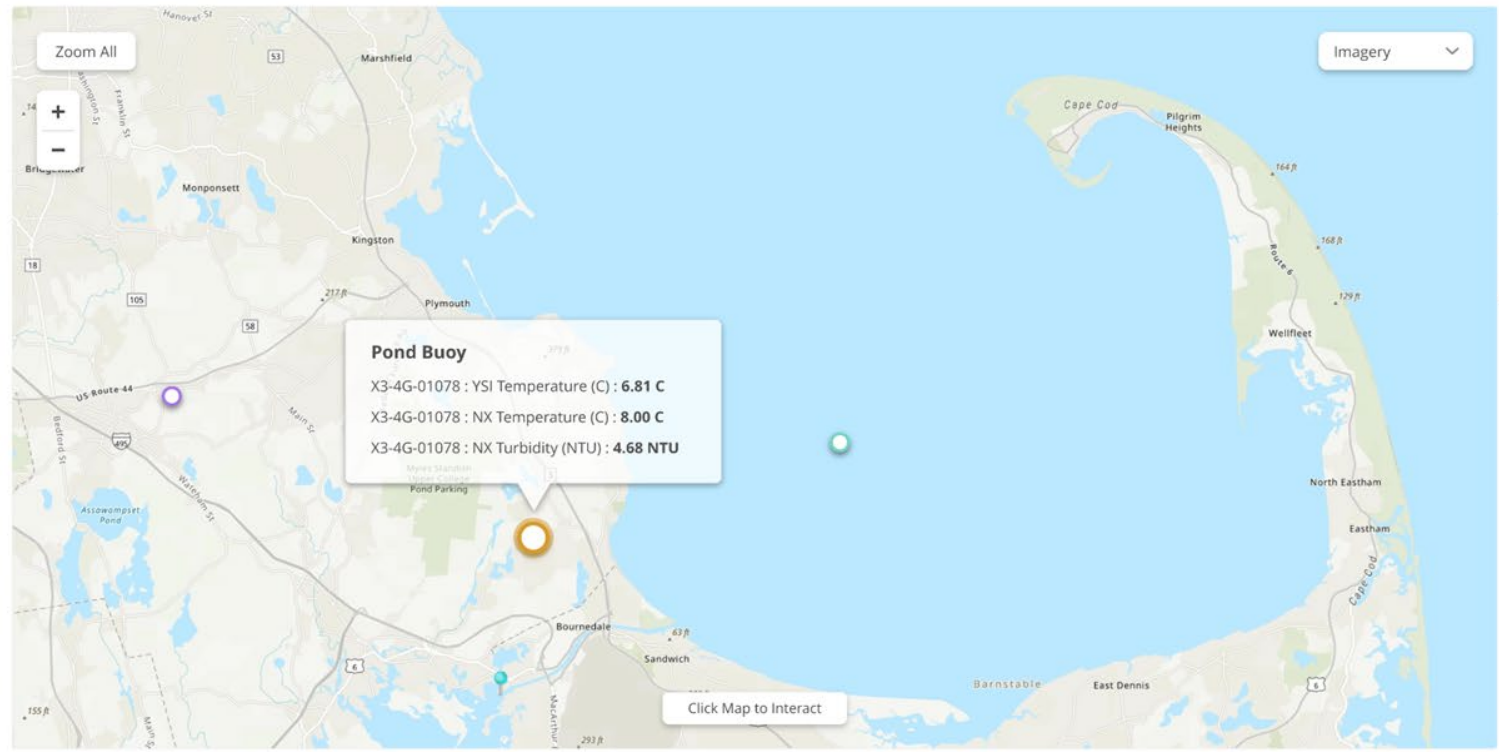
- Lufft WS700

### Project Map

Previous Next Play

Customize

### Map



Feedback

All Sites

Search Parameters

Land Based Station

- X3-4G-01080 Data Logger
  - Gill MaxiMet GMX200
    - Interval Rain
    - Daily Rain
    - Rain Intensity
  - Solinst Levellogger 5
    - Pressure
    - Temperature
    - Level

Pond Buoy

- X3-4G-01078 Data Logger
  - YSI EXO2
    - YSI Temperature
    - YSI Sp Cond
    - YSI Turbidity
    - YSI pH
    - YSI ORP
  - NexSens NX260
    - NX Conductivity
    - NX Temperature

Current Conditions

Previous Next Play

Customize

Land Based Station

Rain

Interval Rain 0 in

Rain Intensity 0 in/h

Daily Rain 0 in

**0"**

Today

Pressure

Temperature

29.64 inHg

54° F

Today Low 46°

Today High 54°

Level

38.5ft



Weather Station

Wind

Feedback



# Customer Deployments



Tide Monitoring in Timor-Leste





Long-term Water Quality Monitoring in Acton Lake



Wave, Current, and Weather Monitoring in Singapore



Flood Monitoring and Prediction in Eastern Kentucky



Current Monitoring after the Francis Scott Key Bridge Collapse



Freshwater Beach Monitoring in Chicago



Climate Monitoring in the Caribbean



Studying OAE and Testing mCDR in Nova Scotia



Wave Energy Conversion in Puget Sound



Orca Monitoring in New Zealand



Water Quality Monitoring in Morro Bay, California



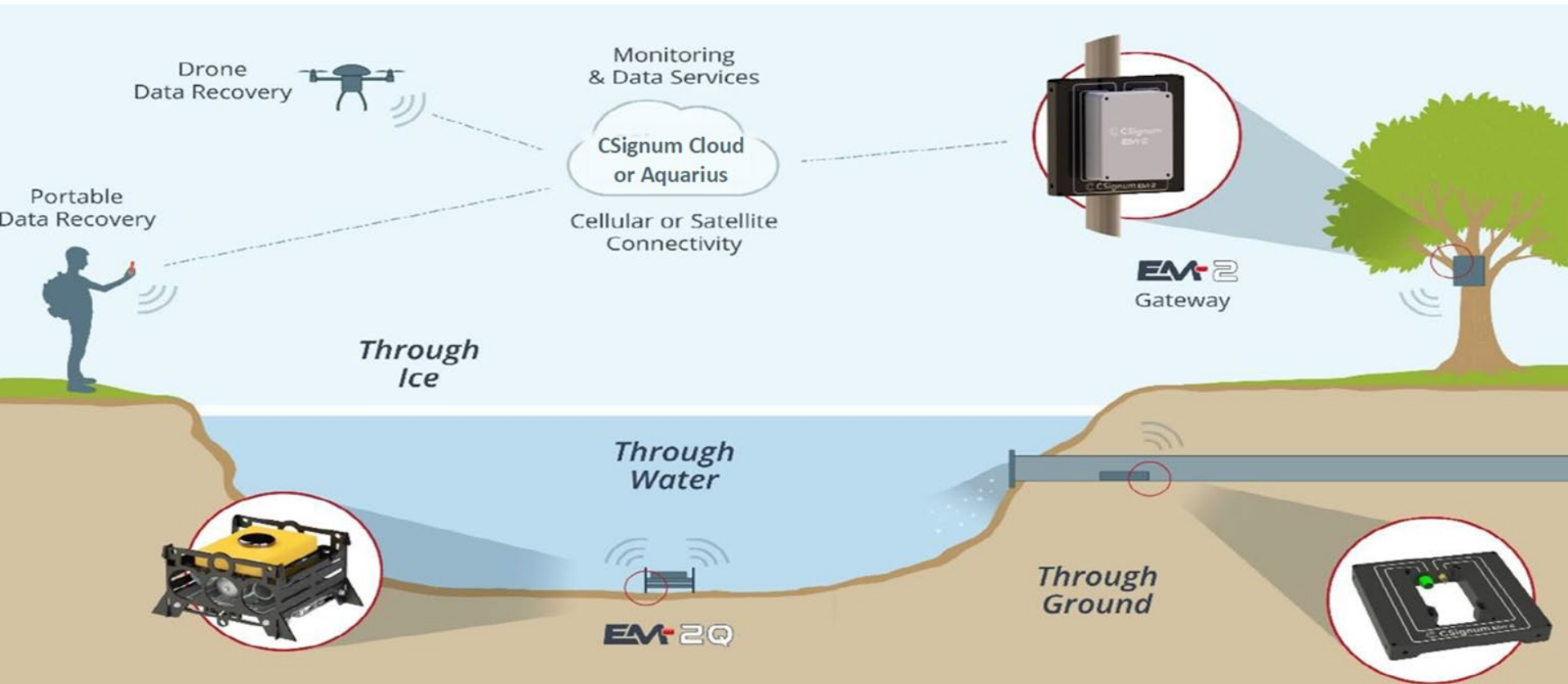
Toledo Water Intake Buoy



# CSignum



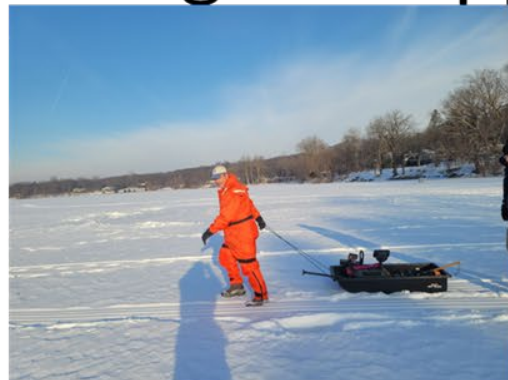
# IoT Data Through Any Medium



# EM-2Q System, Xylem EXO Sonde, EM-2 Gateway CSignum



# CSignum Application-NOAA GLERL



time	Depth	Range	Subsea Temperature	Subsea Specific Conductance	Subsea Salinity	Subsea ODO	Subsea ODO	Subsea pH	Subsea Turbidity	Subsea Chlorophyll	Subsea Chlorophyll	Subsea TAL-PC	Subsea TAL-PC
2/10/2026 13:20	6.1m	55m	3.79 °C	624 µS/cm	0.300 PPT	10.7 mg/L	81.7 %Sat	8.24	0.520 FNU	0.980 RFU	3.75 µg/L	0.700 RFU	0.480 µg/L
2/10/2026 13:15	6.1m	55m	3.82 °C	623 µS/cm	0.300 PPT	10.8 mg/L	81.9 %Sat	8.24	0.600 FNU	0.290 RFU	0.970 µg/L	0.560 RFU	0.330 µg/L
2/10/2026 13:10	6.1m	55m	3.79 °C	624 µS/cm	0.300 PPT	10.8 mg/L	82.2 %Sat	8.23	0.470 FNU	0.310 RFU	1.06 µg/L	0.680 RFU	0.450 µg/L
2/10/2026 13:05	6.1m	55m	3.80 °C	624 µS/cm	0.300 PPT	10.9 mg/L	82.8 %Sat	8.22	2.74 FNU	0.210 RFU	0.650 µg/L	0.510 RFU	0.290 µg/L
2/10/2026 13:00	6.1m	55m	3.80 °C	625 µS/cm	0.300 PPT	11.5 mg/L	87.4 %Sat	8.19	0.740 FNU	0.480 RFU	1.73 µg/L	0.620 RFU	0.390 µg/L
2/10/2026 12:55	air	55m	10.3 °C	-0.110 µS/cm	0 PPT	11.3 mg/L	102 %Sat	4.86	4.10 FNU	0.190 RFU	0.560 µg/L	4.69 RFU	4.47 µg/L
2/10/2026 12:50	air	55m	10.3 °C	-0.190 µS/cm	0 PPT	11.7 mg/L	104 %Sat	4.71	4.10 FNU	0.150 RFU	0.440 µg/L	4.66 RFU	4.43 µg/L
2/10/2026 12:45	air	55m	10.2 °C	-0.200 µS/cm	0 PPT	11.4 mg/L	102 %Sat	4.58	4.26 FNU	0.140 RFU	0.370 µg/L	4.57 RFU	4.35 µg/L



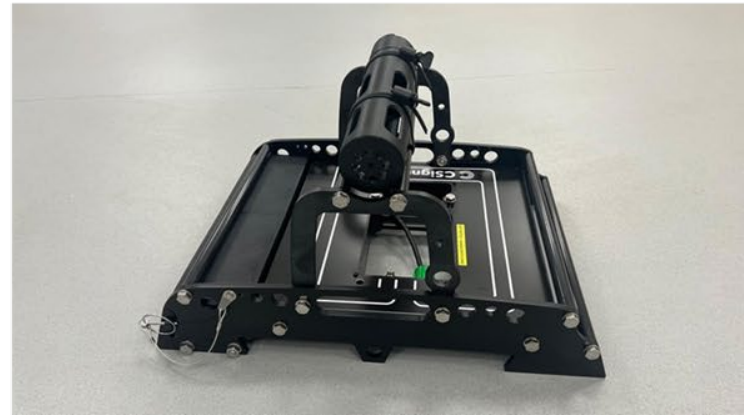
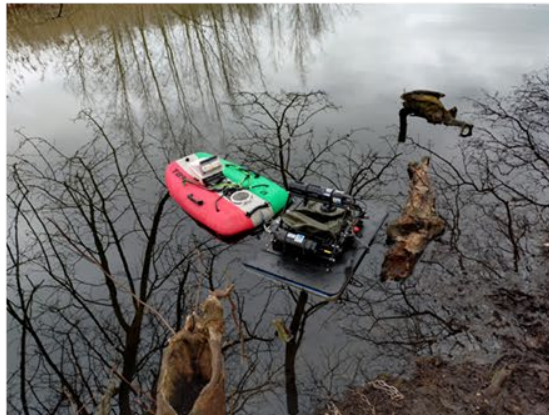
11-15 inches of ice



# CSignum Applications

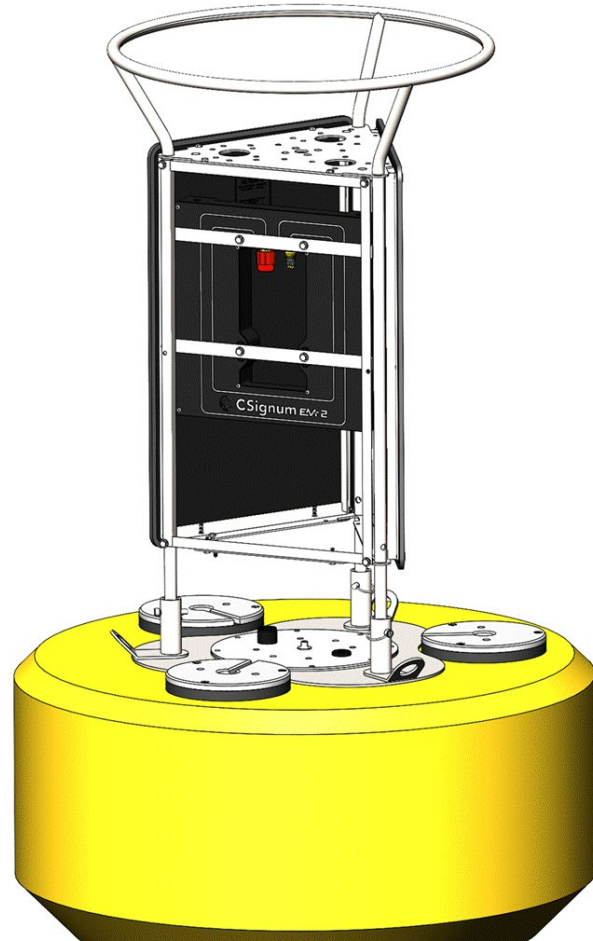


- Old Woman Creek
- UK River Deployments
- Sonde Elevator
- Sonde Suspension



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# NexSens Buoy Integration



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Questions?



To WQData LIVE  
Field Station Data