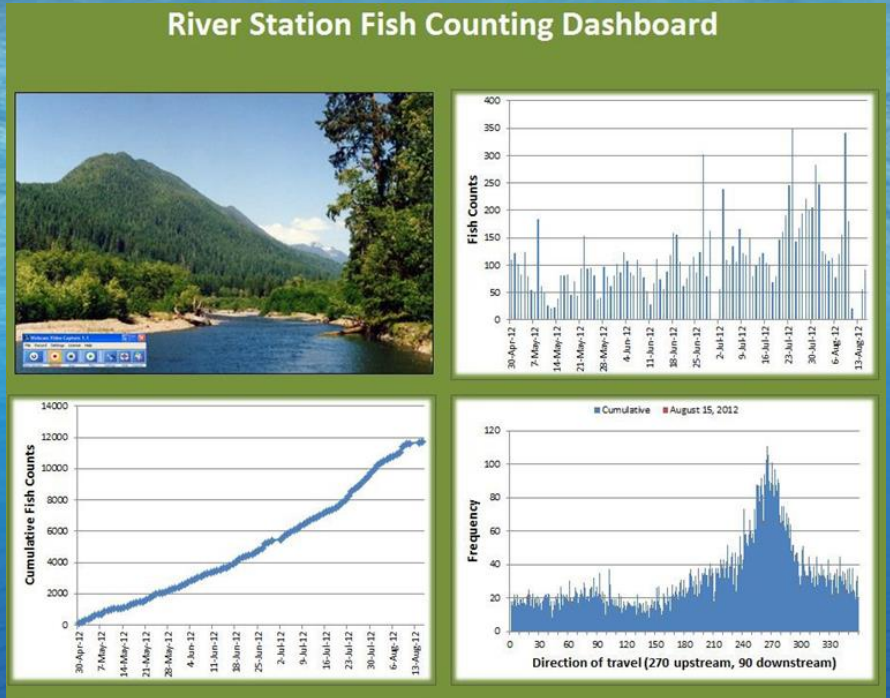




AUTOMATED MONITORING SYSTEMS



Fish Passage Detection, Counting and Reporting for River and Hydropower Sites
 Early Warning of Vegetation, Debris and Jellyfish Intrusion at Cooling Water Intakes

Product Highlights

- DT-X AMS nodes can be networked and cloud-connected to support multiple observation sites for long-term system-wide monitoring
- Each DT-X AMS node can support several strategically aimed split beam sonar sensors for full volumetric coverage and scientifically defensible accuracy
- AMS systems automatically timestamp and report direction of travel, speed, depth, size and geolocation for each target detected
- AMS systems Include onboard data storage and a ToughPad tablet for remote access and reporting via cell modem
- Customizable web-based dashboard displaying real-time, hourly, or daily summary reports and system status alerts



DT-XAMS AUTOMATED MONITORING SYSTEMS

Echosounder Specifications

- Fully programmable, multiple transducer, multiplexing configuration
- Military grade connectors
- Self diagnosis and calibration on start-up
- High resolution, full colerechogram
- Numerous, user selectable, software controlled configuration, display and data storage options
- Integrated orientation and other external sensor inputs
- Ethernet control, wired or remote wireless
- Integrated orientation sensors
- System Noise Floor: Extremely quiet -140 dB
- Dynamic Range: Greater than 160 dB
- Selectable Ping Rates: 0.01 to 30 pps
- Selectable Pulse Duration: .01 to 1.0 ms
- Transmit Power: 100 to 1000 Watts RMS
- Input Power: 90-264 VAC
- Power Consumption: 30 Watts

Transducers

- Range of frequencies in single or split beam: 38, 70, 120, 200, & 420 00 kHz
- Ultra-low side lobes to -30 dB
- Heavy duty anodized aluminum, urethane, or stainless-steel housings

BioSonics Software

Visual Acquisition

Echosounder configuration, data acquisition, visualization, storage and playback software

VisAcq AutoTrack

Real-time data processing tool within Visual Acquisition automatically builds and records fish track lists

WATCHDOG Software

Continuously monitors echosounder performance
Sends notifications of operational status
Eliminates lockups and data loss due to down time

