



Solutions ENVIRONMENTAL SCIENCES

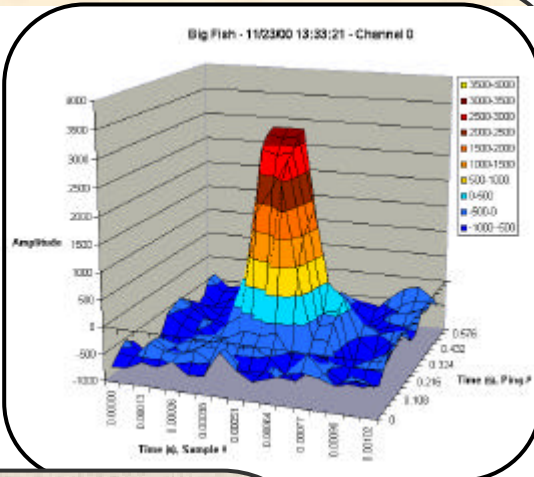
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The Newsletter For The Aquatic Sciences

February 2001

GONE FISHIN'

ASL is currently developing a low-cost sonar for fish enumeration in hydroelectric intakes for BC Hydro at Stave Falls. The first prototype tests were successfully completed late November 2000 and we are now starting on the next stage of development with further tests planned for the coming spring and summer at other BC Hydro sites.



DRESSED TO KRILL

Dr. Jim Gower, of the Canadian Dept. of Fisheries and Oceans, has just purchased another 200 kHz buoy-mounted version of the **Water Column Profiler™ (WCP)** as part of a program to instrument coastal meteorological buoys in Canada. It will use acoustic backscatter techniques to provide information on zooplankton populations. This information will help in understanding the links between the physical & biological processes in the ocean.

ICE PROFILER™ UPDATE

BEAUFORT SEA, CANADA

Dr. Humfrey Melling, with the Canadian Dept. of Fisheries and Oceans, has ordered an **Ice Profiler**, with modifications, for high performance sea ice and ocean wave studies. It is a combined ice and wave profiler to be deployed long-term – summer 2001 through to summer 2002 – for a scientific research project in the Beaufort Sea.

ICE PROFILER MOUNTED ON AUV

Monterey Bay Aquarium Research Institute (MBARI) has just ordered a custom version of the **Ice Profiler** to be mounted in their long-range AUV for initial test deployment in the Arctic this fall. The **Ice Profiler** will be used to measure ice thickness while the AUV is underway beneath the ice.

PHYSICAL OCEANOGRAPHIC SERVICES

ASL has recently completed a project doing ocean current measurements for the proposed gas pipeline from Washington State to Vancouver Island for BC Hydro and Williams Gas Pipeline West.



Because of strong currents, the SUBS A2, from Open Seas Instrumentation, was used to provide floatation for the tautline mooring. It is a streamlined underwater buoyancy system, which reduces vibrations considerably compared to vinyl floats, so there is less movement due to vortex shedding and reduced drag. It can be used to support ADCP's or ASL's **Wave Profiler™** and is available for lease from ASL.

MEET US AT EVENTS

ASL & ASL **AQFlow** will be attending the following trade shows & conferences. We would like to have a chance to talk to you.

ASL

Fast Ferries Conference	March 13-15	New Orleans
Oceanography Int'l. Americas	April 3 – 5	Miami
Offshore Technology Conf.	April 30 – May 3	Houston
Ports & Oceans under Arctic Conditions (POAC)	August 12 – 17	Ottawa

ASL **AQFlow**

WaterPower XII	July 9 – 11	Salt Lake City
Hydro 2001	September 27 – 29	Riva del Garda

STAFF ANNOUNCEMENT

We are pleased to announce the appointment of Chris Elmer to the position of Sales & Marketing Manager. Chris brings an extensive background in sales and marketing, both in Europe and N. America.



We also welcome Ryan Grealy as our graphics/web designer. Ryan has over a decade of experience in computer graphics and CAD.

