EQUIPMENT LEASING NEWSLETTER

March 2008

Wave Measurement

Current Measurement

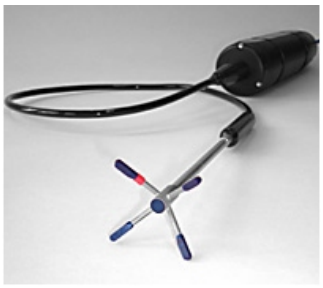
Ice Measurement

Sediment Transport

Fish Habitat Studies

Coastal Engineering

New Equipment Available for the 2008 Field Season:



Nortek Vectrino. The Vectrino is a high-resolution acoustic velocimeter used to measure 3D water velocity in a wide variety of applications from the laboratory to the ocean. This replaces our older Velocimeter. The probe is attached via a 1 m flexible cable, and a 50 m cable connects the submersible datalogger to surface. Sample rates can be set from 1 to 25 Hz.

Garmin GPS-Sounder 525S. This unit is a combination WAAS enables GPS, with a dual frequency echo sounder. It comes with an external antenna and serial output for logging to computer. It is perfect for small boat survey work such as ADCP transects and bathymetric mapping.

Valeport 106 Current Meter. A low cost, lightweight alternative to more expensive flow meters. Can be run in real-time using the 50 m cable, or moored in self-contained mode. Real-time operation is via a command unit, or through a PC. It is ideal for coastal and estuarine applications, and other light duty survey work.

ASL has lots of ADCPs to lease:

There are now 15 RDI ADCPs in the lease pool:

- 1 at 150kHz
- 3 at 300kHz
- 8 at 600kHz
- 2 at 1200kHz
- 1 at2MHz

As well as several Norteks:

- 4 Aquadopps,
- 2 profilers (600 & 1000 kHz)
- And the 2MHz Vectrino

If acoustics scare you, we also have a couple of rotor & vane current meters Including the new Valeport 106.

" Reliable Rentals at Reasonable Prices "

Check out our rates at www.aslenv.com

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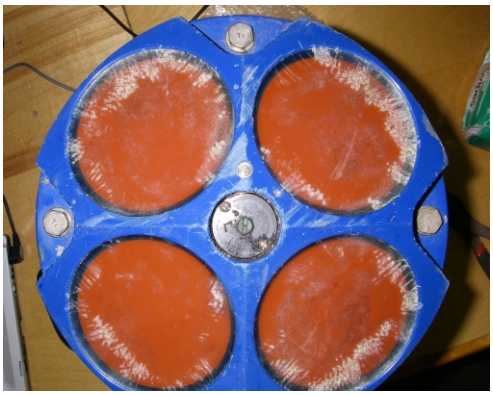
Importance of insurance!
Insurance is generally required to protect against loss or flooding. Fish bites are another good reason!



Fish bites to ADCP head:

ADCP Y-cable chewed through:

Recent clients include:

IMV Projects, Beaufort Sea
Marathon Oil, Equatorial Guinea
Battelle, Columbia River
Woods Hole Group, MA
Jacques Whitford, BC
HDR/LMS Nanuet Lab, New York
Sea Engineering, California
Water Wall Turbines, BC
NaiKun Wind Development Inc., BC
G-3 Consulting Ltd
Hay & Co.
Golder Associates Ltd, Alberta
CIMA, Quebec
Manitoba Hydro
Weston Solutions
Tollhouse Energy Company, NWT
Sandwell Engineering, Vancouver
Coastal Leasing Inc., MA
PNL, Washington
Rescan Environmental, Vancouver
Coastal Villages Region Fund, Alaska
Vancouver Port Authority
Aquametrix Research, BC
Seavisual
Middle Bay Sustainable Aquaculture
Strait Solutions
Polaris Applied Sciences, WA
Coastal & Oceans Resources Inc., NS

NaiKun Wind Farm

NaiKun Wind Development Inc of Vancouver BC plans to extract power from the plentiful winds of Hecate Strait. They will install wind turbines on Dogfish Bank, a shallow area to the east of Haida Gwaii (Queen Charlottes, BC).

The design criteria for construction and installation of the turbine towers require knowledge of the current velocity and wave field. Dogfish Bank experiences strong tidal currents, and severe winter storms. Wave heights could reach 10 m or more. ASL was contracted by Sandwell Engineering to measure current velocity profiles and directional waves over the winter of 2006-2007. A heavily weighted, low profile bottom frame was used to house the ADCP instrument.

For more ASL projects see
ASL's Solutions Newsletter