

EQUIPMENT LEASING NEWSLETTER

SPRING 2015

Wave Measurement

Current Measurement

Ice Measurement

River/Stream Discharge

Fish Habitat Studies

Coastal Engineering



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NEW ADDITIONS TO THE LEASE POOL

- 4 x TRDI 600 kHz ADCP
- 4 x Alec Rinko DO Logger
- 4 x Alec CLW Chlorophyll, turbidity
- 2 x Seabird 37SM CTD
- Ponar grab, both petite and standard
- 6 Sonotronics tilt-pingers
- Sonotronics Mantrak pinger receiver
- 5 kilo Xeos Iridium beacons; 1XMi-11k beacon
- 4 x Openseas Subs A2; 4 Subs B3

The **Alec Chlorophyll+Turbidity loggers** are working well and are being used by many of our clients. The wiper keeps the sensor area clear of biofouling.



INTERESTING LEASE:

NASA's Search for Extraterrestrial Life in a BC Lake

Dr. Darlene S.S. Lim, NASA Ames Research Center

The **Pavilion Lake Research Project (PLRP)** is one of **NASA's** premier analog programs and continues to make significant contributions to the development of science operations architectures for human space exploration. The multi-disciplinary PLRP research program seamlessly blends field science research with the development of tools, technologies and concepts for the human exploration of the Moon, Near Earth Asteroids and Mars. PLRP science objectives are focused on explaining the origin of freshwater microbialites in Pavilion Lake, British Columbia, Canada. The microbialites of these modern lakes are relevant to our understanding of ancient microbialite systems that were once common and diverse on Earth nearly 2.5 billion years ago. To explore the lake, the PLRP team uses a combination of tools: SCUBA, autonomous underwater vehicles (AUVs), submersibles, and in situ data gathering instruments. The latter includes the use of the **ASL RBR XR420 CTD meter**, which was coupled with a Seamor ROV for the team's June 2014 field deployment to Pavilion Lake. The ROV imaging and CTD data served to guide the team's dive planning and sample collection activities in the lake.



Diver with microbialities in Pavilion Lake,
photo credit Donnie Reid

[Link to CBC news article](#)

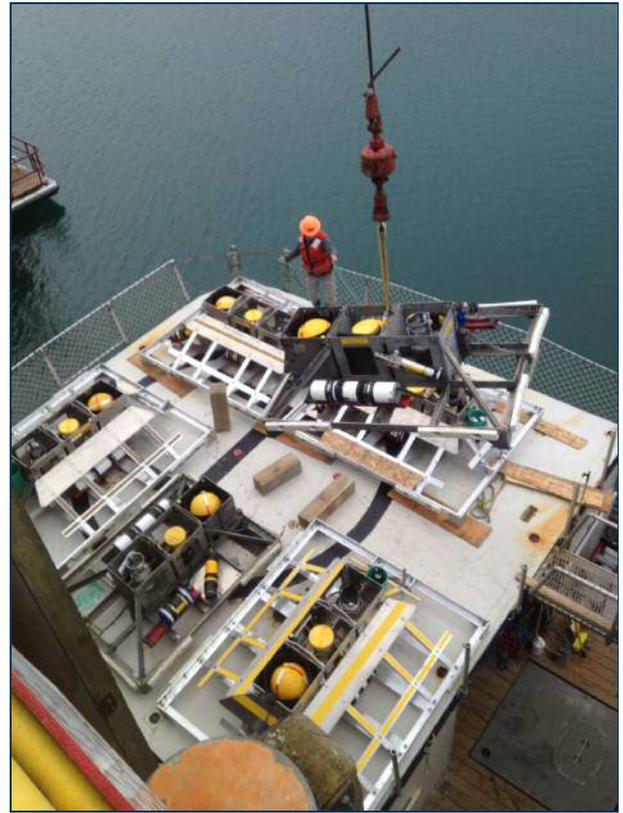
“Reliable Rentals at Reasonable Rates”

Check out our rates at www.aslenv.com

Largest oceanographic equipment lease pool in North America!

BOTTOM FRAMES

We build many varied bottom frames for our clients. Instead of designing our own pop-up recovery buoys, we have been purchasing them from Mooring Systems Inc. These release-activated pop-up buoys have been very successful in ASL's deployments in Cook Inlet, Alaska for AlaskaLNG.



New 7x9 frames with Ice Profiler™, ADCP and MSI pop-up.

RECENT CLIENTS INCLUDE:

ERM, Concerto CTD with Rinko III DO, CTD + DO, RBR XR-620, StreamPro

Lorax, StreamPro

Stantec, Concerto + DO, Alec CLW, RBR XR-620 CTD, RBR XR-420 TG

Golder Ltd., Victoria, RBR XR-420 CTD, Concerto CT, RBR XR420 CT, PORT, PORT Tandem Kit, Concerto CTDs, Alec, CLW, Dual Cages, Cart Tandem Kits, CARTs, 300 kHz ADCPs

Golder, Burnaby, Mantrack Receiver, AMD200R, External battery case for Nortek AWAC, QM-ADCP, PORTs, Tandem kit, CART

Golder, Redmond, 300kHz w/Bottom Track, 600kHz with waves, Sonotronics Tilt Pingers,

Golder, Calgary, Furuno SC-30,

Golder, Castlegar, Aquadopps

Centre for Arctic Resource Development, 1200kHz ADCPG

G3 Consulting, AMD200R, 300kHz ADCP, Alec CLW, PORT, Nortek Aquadopp, Seabird 375MP, Pop-up AMEC, StreamPro

Jeytak, ASL AZFP, RBR XR620 CTD

AML, RBR Concerto with WiFi, Concerto CTD + DO

Seaward Engineering, Concerto CTD

Tetrattech, ADCP, CTD with Turbidity, OBS3A

EcoFish, Vectrino

Terra Remote, RBR TGR 1050 tide gauges

NASA, RBR CTD w/realtime output

Ocean Data Technologies, RBR XR420 CTDs

Dynotek, StreamPro

Axys, Cart, Pop-up, AMD200R

BLM, RiverRay

ASL has experienced field personnel available should you need help with your field program.

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