

# EQUIPMENT LEASING NEWSLETTER

## Customer Satisfaction/Testimonial:

**SPRING 2016**

Many of our clients are return customers. We don't just lease, we provide advice on equipment selection, rigging, etc.

Tyler Sylvestre, Canatec (2015-52) (we didn't provide just the CTD, we sent him a hand reel for lowering and a float rigged to keep the CTD out of the mud in case he hits bottom; the extras were at no extra charge.)

***"Thanks for all of your help in identifying / pairing the exact instrument with our needs. We collected great data, and the instrument really allowed us to perform the field work in a very efficient and expeditious manner. So thanks a lot for your guidance and support."***

Tyler Sylvestre, M.Sc. Ice Specialist, CANATEC Associates International Ltd.  
Calgary, Alberta, Canada T2L 2K7

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## Highlighted Lease of 2015



Sarah Fortune, PhD candidate at the University of British Columbia and guest student at Woods Hole Oceanographic Institution, used an ASL Acoustic Zooplankton Fish Profiler (AZFP) to conduct several days of zooplankton backscatter observations in the Canadian arctic with a co-located Optical Plankton Counter (OPC) data.

The four-frequency (125, 200, 455 and 769 kHz) AZFP with cage and floatation was deployed in Pangnirtung Fiord, Nunavut. The AZFP allowed Sarah to collect rapid and fine-scale zooplankton data in a way that she couldn't before. She expects that it will be particularly interesting to compare the OPC and AZFP data.

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***"Reliable Rentals at Reasonable Rates"***

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*Wave Measurement*

*Current Measurement*

*Ice Measurement*

*Sediment Transport*

*Fish Habitat Studies*

*Coastal Engineering*



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## Popular Lease Instruments

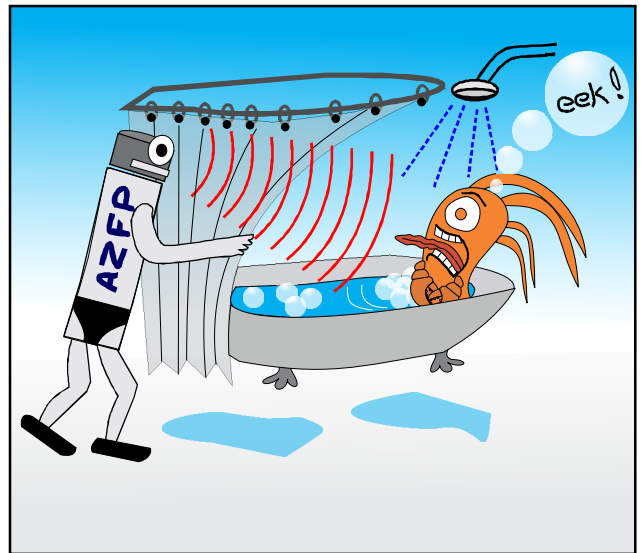
We lease out more ADCPs than anything else. Our lease pool covers the frequency range from high (StreamPro at 2000 kHz), to low (LongRanger ADCP). The applications are varied. They can be moored taut-line or bottom frames, hung from an oil rig, suspended beneath the ice, dragged across a stream, or strapped to the side of the boat.

In 2015 38% of the leases included CTD's. We have several, some bare bones, some with Turbidity or DO, and the XR620 with Tu + DO + fluorometer. They provide useful data on water properties and quality, and can help with the interpretation of current measurements. ASL now offers a non-metallic cage for the RBR CTDs to minimize the effect of metal on the inductive conductivity cell readings.

The Alec CLW2's with turbidity and chlorophyll have proven to be very reliable with the direct drive wiper. We now also have a few of the AROW2's with the Rinko DO.

## New equipment added to lease pool:

- ASL Acoustic Zooplankton Fish Profiler (AZFP). We now have 4 AZFP's in the lease pool. For in-line mooring we offer a custom tilt-cage.
- Another Furuno SC-30 with NMEA serial output. We use these for Transect work particularly on larger vessels where the ADCP compass might not be reliable. The SC-30 outputs GPS lat/long and true heading based on dual GPS receivers.
- Airmar 220WX ultrasonic weather station. Provides true motion-compensated winds. Small and compact and great for smaller vessels that do not have wind sensors.
- Another ALEC CLW2, and AROW2
- More TRDI 600 & 1200 kHz WH ADCPs
- UAT-376EL transponder
- Nine more PORT-LF acoustic releases
- Nine more Seabird 37SMP's CTD's



**Get to know your plankton better.  
They can't hide from ASL's AZFP.**

## Matt Lewis replacing Wally



Wally



Matt

We really liked Wally but he was getting kinda long in the tooth and we finally decided to put him out to pasture (his version is out to stud). Our new oceanographic instrument tech is Matt Lewis who has gotten up to speed over the last 8 months. His hobby is his pleasure boat and he enjoys exploring the BC coast with his family.

## Did you Know?

You can buy an add-on module to increase the memory of your ADCP. We were doing a deployment to measure turbulence and the 2-4 GB storage of the TRDI ADCP was not enough. We added 32GB using a Micro-SD module from TechWorks Marine that fits in the battery pack and logs the serial out data. [www.techworks.ie](http://www.techworks.ie)

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