

# Logistics and Administration *Quarterly Report*



Burn scar in the uplands region north-east of Inuvik.

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## Logistics at the Western Arctic Research Centre

The Western Arctic Research Centre (WARC) provides a wide range of support to researchers on a year-round basis. Support is also provided to the communities surrounding Inuvik, businesses, and educational institutions.

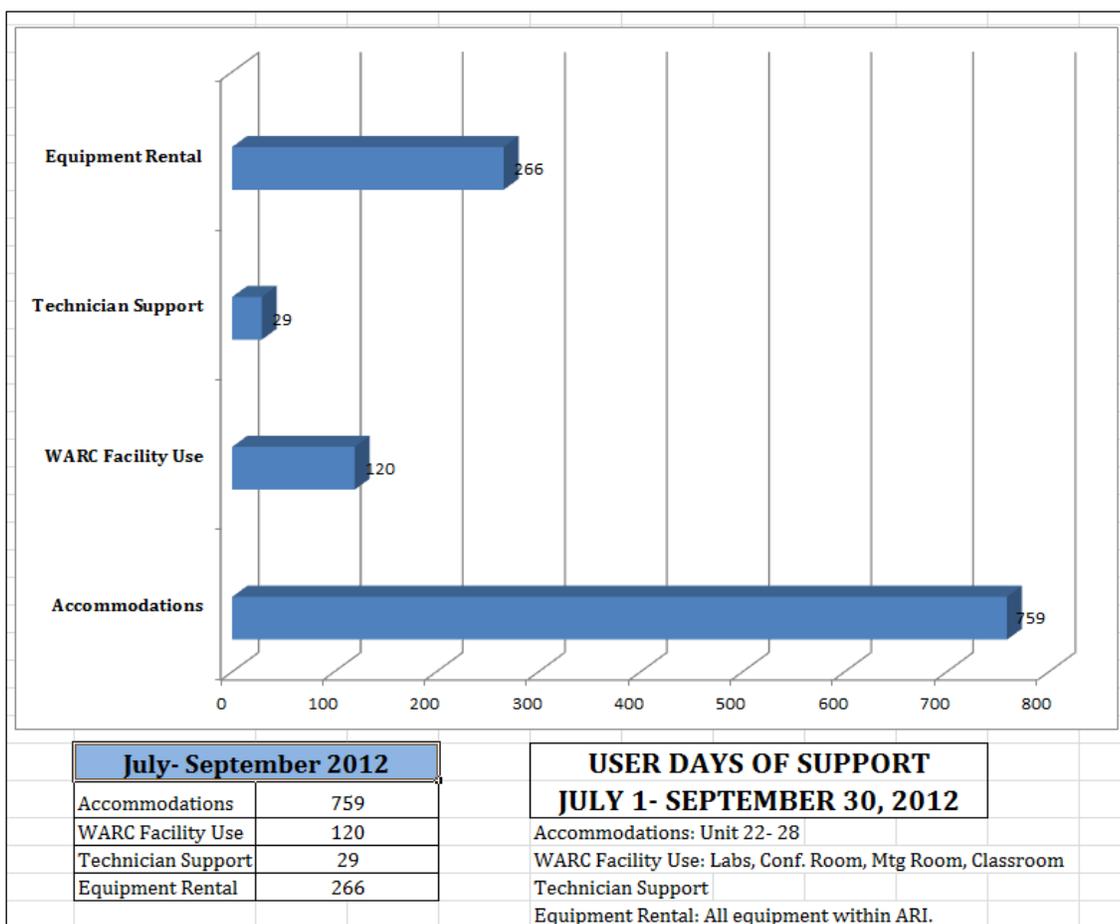
WARC provides housing to researchers at a low cost. Each house includes a full kitchen, bath, laundry services, a living room and six beds. Other features include basic cable television, wireless internet, and a front deck with a barbeque. Rates include daily, weekly and monthly fees, which vary depending on user category (students, Canadian users, and non-Canadian users).

We have a large selection of equipment that is also provided year-round. Big items include, but are not limited to, boats, snow machines, and toboggans. Smaller items include, but are not limited to, tents, augers, and frost depth probes. Our facility provides a great space for research. We have a shared research office space with up to 10 individual desk spaces. We have three labs, which include a Clean Lab, a Dirty Lab and a Wet Lab. We have a classroom, which is used quite often. And lastly, we have two meeting spaces: a large conference room and a smaller meeting room.

WARC supports many user groups throughout the year. Our facility provides a variety of resources to all researchers and groups working in the western Canadian arctic, and in the communities surrounding Inuvik. We provide in-kind support to groups and individuals on a regular basis as a way to give back and provide support for their work.

## User Days of Support

I created a graph to record the number of user days of equipment rental, accommodations, facility use, and technician support (which included requests for assistance from both technicians, as well as two casual staff and one summer student; **Figure 1**). For equipment, the total number of user days from July 1 to September 30, 2012, was 266. For technician support, the total number of user days was 29. For WARC facility use, the total number of user days was 120. For accommodations from July 1 to September 30, 2012, the total was 759 user days.



**Figure 1:** The number of user days for equipment rental, accommodations, facility use, and technician support from July 1 to September 30, 2012.

### Activities of Note

From July 1 to September 30, 2012 a number of events took place at WARC. A total of 25 requests were submitted for logistical support. During this time a lot of groups and individuals passed through our facility, making use of the resources that we offer. People from all around the world come to WARC and then branch out to conduct research on the Mackenzie Delta and other locations across the western arctic.

### Camp Kivuni

Our summer student Jasmine Brewster coordinated a science camp at WARC through Camp Kivuni. Below is a report that Jasmine did on the Camp Kivuni visit:

“On August 2<sup>nd</sup> and 3<sup>rd</sup> the youth of Inuvik visited the Western Arctic Research Center with the Kivuni Summer Day Camp. The children were broken up into 3 age groups. The 7-9 year-olds came first thing Thursday morning, and the 10-12 year-olds visited right after. The 5-6 year olds came Friday morning. The kids seemed to enjoy all the activities.

Hailey Verbonac was kind enough to volunteer her time and demonstrate her high school science fair

project for the two older age groups. Hailey's demonstration consisted of a Ruben's tube that was attached to a canister of petroleum. The tube was lit on fire, and she was able to show the relationship between sound waves and fire. The sound waves manipulated the flames in time with the music; the sounds played at one end of the tube caused the flames to react and form the same shapes as the sound waves. Hailey described it as "the flames dancing to the beat of the music". The kids definitely enjoyed her presentation, and were also able to learn something new. Davis also volunteered from the Gwich'in Renewable Resource Board, and Jolene was there to help out and make sure the tours went smoothly (I was especially thankful for Jolene and her assistance with Hailey's project).



The youngest age groups' made their own ice-cream in 10 minutes, which was a lot of fun and a special treat. All groups were given an educational tour of the first floor of the building. Another aspect of the visit they enjoyed was when they were able to filter their own water samples and look at them under the microscope. The tour ended in the loading bay and then in the ARI yard, where they played an interactive game of "food-

web" which demonstrated how upper and lower levels of the food chain are interconnected. They also learned about keystone species. It is always very enjoyable to have the kids here, and to hear their feedback after the activities."

### ***Ocean's Day***

Our GIS and Library Intern, Jolene Lennie, went to Paulatuk for Ocean's Day this year. She worked with Erica Wall of DFO to arrange community donations and the harpoon throw event.

### ***SHSS Chemical Disposal***

In early July, Erika Hille, our Laboratory Technician, was asked to do an inventory and disposal of all chemicals at the Samuel Hearne Secondary School in advance of their move into the new school. The specifics requested were to inventory chemicals, separate chemicals into dangerous goods classes, determine shipping needs, order packaging and labels, pack and label chemicals, and to arrange to move chemicals to the new school. All work was logged by Erika and billed hourly. Other staff from ARI and WARC also assisted when needed. The project ended in October 2012.

### ***Noell Lake Research with Environment Canada and University of Victoria***



The Noell Lake Research Project was very busy during the summer of 2012. The field team was in the field at least one day out of every 2 weeks during July and August 2012. On field days, they collected water samples and took water quality profiles at several locations in the lake. Once back in the lab, the water samples were processed for chlorophyll and zooplankton analysis. The equipment they used included a boat and motor, the Horiba water quality sampler, and a shotgun for safety. This project also requests support from WARC during other seasons, to do ice profiles and to move sampling equipment in and out of Noell Lake.

