

Logistics and Administration

Quarterly Report



ARI Summer Students facilitating science activities at the Science Rendezvous at East Three Secondary School.

Prepared by: Bessie Rogers, Western Arctic Research Centre

Date: 1 April to 30 June, 2015

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

Below is a graph that records our standings and number of user days for equipment rental, accommodations, facility use, and technician support (which included requests for assistance from technicians and casual staff; **Figure 1**). For equipment, the total number of user days from April 1 to June 30, 2015 was 223. For technician support, the total number of user days was 0. For WARC facility use, the total number of user days was 39. For accommodations from April 1 to June 30, 2015, the total number of user days was 511.

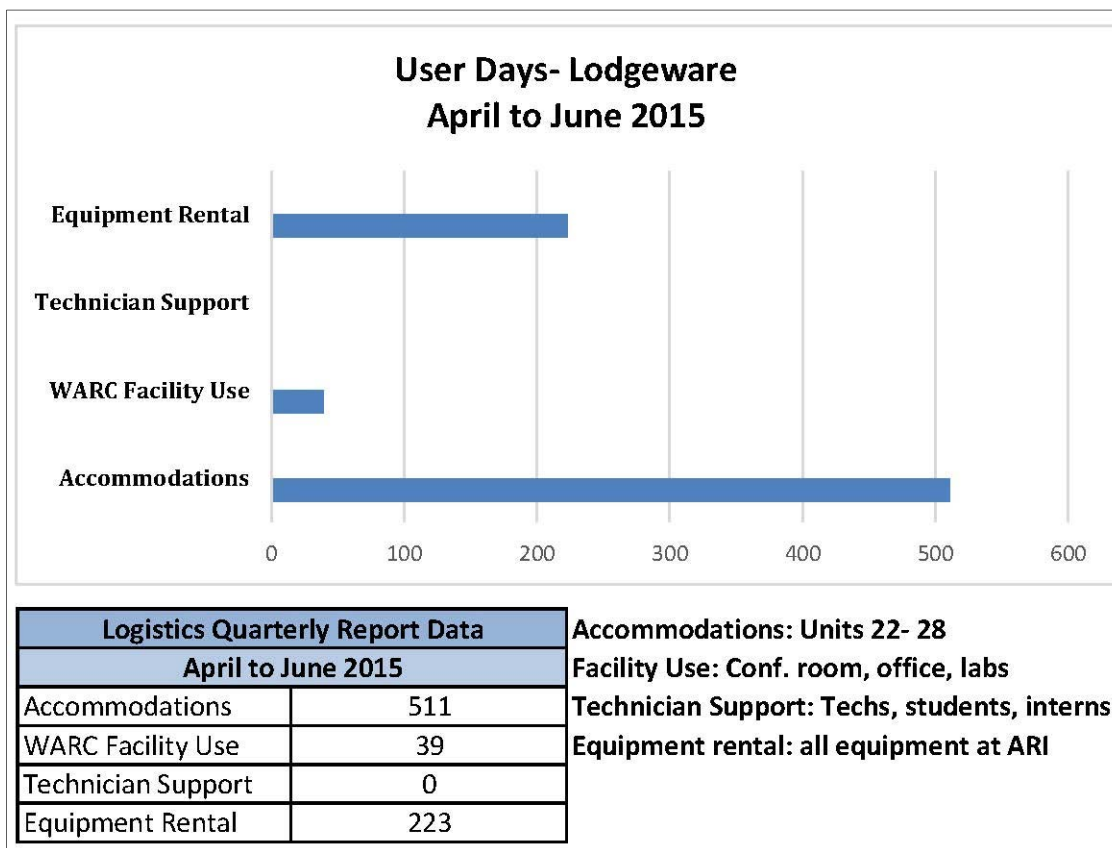


Figure 1: The number of user days for equipment rental, accommodations, facility use, and technician support from April 1 to June 30, 2015.

Activities of Note

General Logistics Support

ARI provided approximately 36 researchers with accommodations, lab space or equipment from April to June 2015.

Our longer requests include one from Jeremy Bentley (Natural Resources Canada) who will stay at the research housing from May through to August. Robyn Stobbs and Christine Adams stayed for a month at the research housing while working with the Inuvialuit Cultural Resource Centre in Inuvik. Beth Wrona and Tracy Rowlandson from the University of Guelph stayed at the research housing. Beth will continue to stay at the housing when she isn't out in the field. Kelly McHugh from the GNWT Department of Transportation booked access to the loading bay, as well as access to the fridge/freezer, from May to August this year. Chris Cunada and Mitchell Bergstresser from Simon Fraser University stayed at the research housing, worked out of the clean lab and used a motor boat for approximately one month.

Suzanne Tank from the University of Alberta, along with four research students, stayed at the research housing and used the clean lab. The four students will continue to use the research housing and lab space when they are not in the field. Max Friesen and Mike O'Rourke from the University of Toronto stayed at

the research housing and borrowed equipment. Moritz Langer, Sabrina Marx and Bernard Hofle, from the University of Heidelberg in Germany, stayed at the research housing and borrowed equipment.

Brent Kay from the Western Arctic Business Development Group and his colleague booked the conference room for a day and gave a day-long course. Se Lim Jang from the University of Alberta stayed at the research housing.

General Logistics Support			
April 1- June 30, 2015			
No.	Principal Researcher	Affiliation	Logistics Support
1	Jeremy Bentley	Natural Resources Canada	Accommodations
2	Beth Wrona	University of Guelph	Accommodations
3	Tracy Rowlandson	University of Guelph	Accommodations
4	Robyn Stobbs	University of Alberta	Accommodations
5	Christine Adams	University of Alberta	Accommodations
6	Andrea Czarnecki	GNWT	Generator
7	Kelly McHugh	GNWT- Transportation	Access to building/freezer
8	Michael Pisaric	Brock University	Accommodations
9	Rebecca Gunter	Brock University	Accommodations
10	Se Lim Jang	University of Alberta	Accommodations
11	Philip Marsh	Wilfrid Laurier University	Accommodations; equipment
12	Brent Kay	Western Arctic Business Development Group	Conference Room
13	Chris Burn	Carleton University	Accommodations
14	Linda Binder	Parks Canada	Conference Room
15	Laura Kelvin	University of Western Ontario	Accommodations
16	Chris Cunada	Simon Fraser University	Accommodations; lab space
17	Mitchell Bergstresser	Simon Fraser University	Accommodations; lab space
18	Sarah Shakil	University of Alberta	Accommodations; lab space
19	Scott Zolkos	University of Alberta	Accommodations; lab space
20	Luke Gjini	University of Alberta	Accommodations; lab space
21	Joyce Kendon	University of Alberta	Accommodations; lab space
22	Suzanne Tank	University of Alberta	Accommodations
23	Trevor Lantz	University of Victoria	Accommodations
24	Moritz Langer	University of Heidelberg	Accommodations
25	Sabrina Marx	University of Heidelberg	Accommodations
26	Cory Wallace	Wilfrid Laurier University	Accommodations
27	Katherine Black	Wilfrid Laurier University	Accommodations
28	Thomas Giguere	Wilfrid Laurier University	Accommodations
29	Max Friesen	University of Toronto	Firearm; Accommodations
30	Mike O'Rourke	University of Toronto	Accommodations
31	Beth Compton	University of Western Ontario	Accommodations
32	Lisa Hodgetts	University of Western Ontario	Accommodations; conference
33	Jeremy Brammer	Gwich'in Renewable Resource Board	Accommodations
34	Carie Hoover	Department of Fisheries and Oceans	Accommodations
35	Sonja Ostertag	Department of Fisheries and Oceans	Accommodations
36	Steve Outlet	Arctic Energy Alliance	Accommodations

Figure 2: Logistical support provided by WARC between April 1 and June 30, 2015.

The National High Altitude Balloon Experiment (HABEX)

ARI staff assisted with the Near-Space Weather Balloon Launch on 20 April 2015. The National High Altitude Balloon Experiment was coordinated at sites across Canada by the University of Regina, and was delivered by ARI in the front yard of East Three Elementary and Secondary Schools. The balloon was launched smoothly, and was later retrieved from the second lake of the Husky Lakes chain following a two-and-a-half hour skidoo ride.

Dr. Max Friesen, Conoco Philips Scientific Speaker Series

Aurora Research Institute hosted presentations by Dr. Max Friesen in Yellowknife, Inuvik and Tuktoyaktuk. This presentation, entitled *Ancient and Urgent: Climate Change Impacts on Inuvialuit Heritage Sites*, looked at how and why archaeological sites in the Mackenzie Delta are being threatened by climate change. Dr. Friesen is a professor of archaeology at the University of Toronto. He has worked in many regions of the North American Arctic for over 20 field seasons, with most of his research aimed at understanding the roles of the environment, social organization, and economic patterns in the long term development of Inuit and Inuvialuit culture.

Dr. R.J. Dwayne Miller, University of Toronto

On 7 May 2015, the Aurora Research Institute hosted a presentation by Professor R.J. Dwayne Miller. Professor Miller holds a number of titles. He is a University Professor at the University of Toronto, the Max Planck Director of the Atomically Resolved Dynamics Division of the Institute for the Structure and Dynamics of Matter in Hamburg, Germany, and the founder of Science Rendezvous. Professor Miller gave a presentation entitled *Mother Nature and the Molecular Big Bang: From Atoms to Life*. He also did some demos. The evening presentation was held at the Aurora Research Institute.

Science Rendezvous

On Saturday 9 May 2015, the Aurora Research Institute hosted the Inuvik Science Rendezvous event at East Three Secondary School. The Aurora Research Institute, Professor Miller, and more than ten other organizations from Inuvik offered hands-on science activities for all ages. More than 100 community members attended.



Dr. Lisa Hodgetts, Western University

The Aurora Research Institute hosted a presentation by Dr. Lisa Hodgetts, a faculty member from Western University. During her talk titled *“Connecting with the past: Community archaeology on Banks Island”* she explained the Ikaahuk Archaeology Project, which combines Inuvialuit Knowledge and archaeological research to tell the stories of the people who have lived on Banks Island for the past 3500 years. Her team uses social media, Google Earth, and 3D computer models to document and share information about the island’s history. Her evening presentation was attended by 20 members of the community.



AURORA RESEARCH INSTITUTE
AURORA COLLEGE

Connecting with the Past: Community Archaeology on Banks Island
By: Dr. Lisa Hodgetts



Monday June 1st, 2015 at 7pm
Aurora Research Institute
Coffee, tea, and snacks will be provided

The Ikaahuk Archaeology Project combines Inuvialuit knowledge and archaeological research to tell the stories of people who lived on Banks Island over the last 3500 years.

Team members are using ancient DNA and isotopes to understand past changes in the animal populations that hunters relied upon. They are also using 3D computer models, Google Earth and social media to document and share Inuvialuit and archaeological knowledge about the island's history.

Come and see how the past goes high tech in the present, and what happens when archaeologists work in partnership with local communities!

For inquiries, please contact the Aurora Research Institute at 777-3298