

Logistics and Administration

Quarterly Report



ARI summer students Elye Clarkson and Amy Clark taking ground temperature readings

Prepared by: Bessie Rogers, Western Arctic Research Centre

Date: 1 July to 30 September, 2014

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 both technicians, as well as casual staff and summer students; **Figure 1**). For equipment, the total number of user days from July 1 to September 30, 2014 was 610. For technician support, the total number of user days was 26. For WARC facility use, the total number of user days was 161. For accommodations from July 1 to September 30, 2014, the total number of user days was 1152.

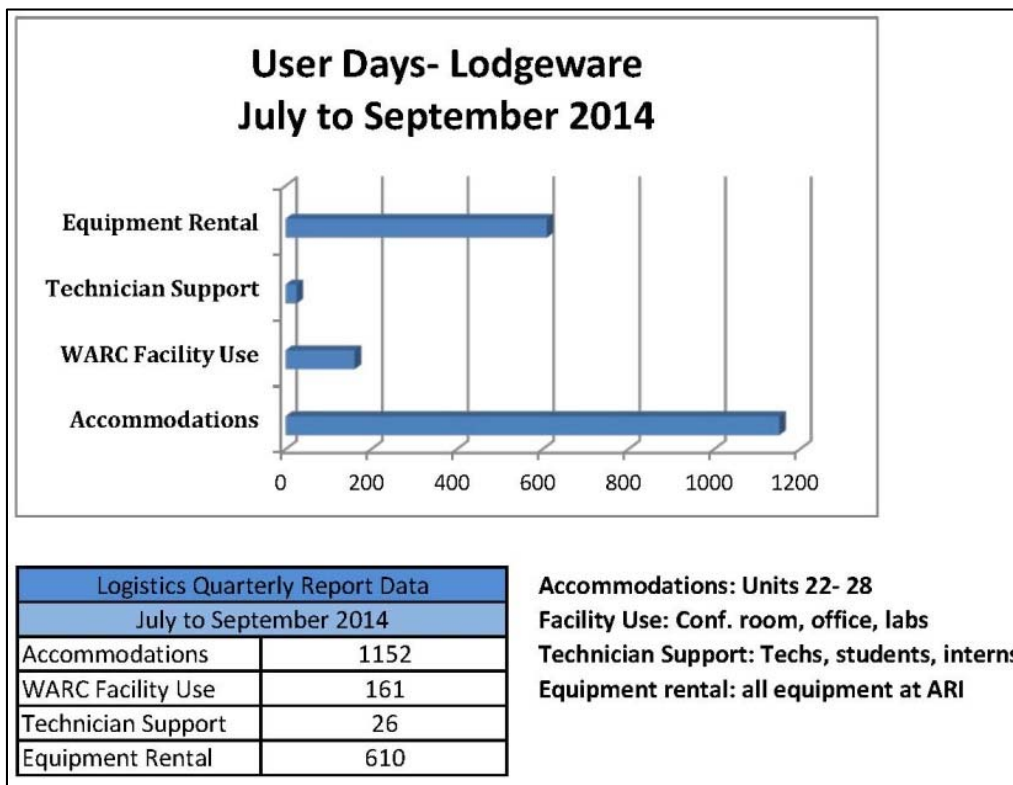


Figure 1: The number of user days for equipment rental, accommodations, facility use, and technician support from July 1 to September 30, 2014.

Activities of Note

General Logistics Support

July to September is typically our busiest quarter of the year. Every year, we reserve 10 additional rooms in the Aurora Campus Singles Residence in order to accommodate all of our logistical requests. This year we were forced to start the extra rooms in late July, earlier than usual.

We received approximately 35 logistical support requests during this quarter (Figure 2). A variety of types of support were requested. Some simpler requests included one from WWF Canada for office space and accommodations, as well as one from the Joint Secretariat for field equipment.

Larger requests incorporated a mix of accommodations, lab/office space, technician support and equipment. Brianna Levenstein, from the University of New Brunswick, stayed at the row house on several occasions when she was not in the field. She also hired an ARI summer student to help with her field work near Fort McPherson. Fred Wrona, from the University of Victoria, requested technician support and equipment to support his field work at Noell Lake. A British crew led by Phil Wookey borrowed field equipment, and stayed at the row houses when they weren't in the field. Chris Burn's crew from Carleton University borrowed equipment and stayed at the row house. The crew from

Wilfrid Laurier University led by Phil Marsh borrowed equipment and hired our technician and summer students. Several groups worked out of our three labs at different times throughout the quarter.

The largest logistics request of the quarter was received from a team based at the Alfred Wegener Institute in Germany, and led by Hugues Lantuit. His team of 10 spent a month conducting fieldwork on Herschel Island. Before and after their field work, they stayed at the ARI row houses and used the WARC labs and loading bay.


General Logistics Support July to September 2014				
	Principal Researcher	Affiliation	ARI Support	Date
1	Dan Slavik	WWF- Canada	Facility use, accomm	7/1/2014
2	Brianna Levenstein	U of New Brunswick	Equip., accomm.	7/2/2014
3	Fred Wrona	Enviroment Canada	Tech. support, equip.	7/7/2014
4	Joint Sec	EIRB	Facility Use	7/7/2014
5	Philip Wookey	Heriot-Watt University	Equip., accomm.	7/8/2014
6	Chris Burn	Carleton University	Equip., accomm.	7/9/2014
7	Phil Marsh	Wilfrid Laurier	Accomm., equipment	7/16/2014
8	Suzanne Tank	York University	facility use, equip.	7/16/2014
9	Dr. Frank Wania	U of Toronto Scarborough	Accommodations	7/17/2014
10	Gavin Manson	Geological Survey of Canada	Accomm., equipment	7/17/2014
11	Jim Johnson	Dept. of Fisheries and Oceans	Accommodations	7/20/2014
12	Oliver Sonnentag	University of Montreal	Accommodations	7/22/2014
13	Trever Porter	University of Alberta	Accommodations	7/22/2014
14	Denis Lacelle	University of Ottawa	Accommodations	7/23/2014
15	Christian Konrad	Alfred-Wegener Institute	Facility use, accomm	7/28/2014
16	Roberto Quinlan	York University	Facility use, accomm	7/28/2014
17	Caroline Duchesne	Geological Survey of Canada	Accommodations	7/30/2014
18	Blair Kennedy	Carleton University	Accommodations	8/4/2014
19	Brendan O'Neill	Carleton University	Accommodations	8/4/2014
20	Shawne Kokelj	ENR- GNWT	equipment	8/6/2014
21	Steve Kokelj	NWT Geoscience Office	Accommodations	8/6/2014
22	Michael Schmidt	Arctic Ins. North America	Accommodations	8/10/2014
23	Michelle Cote	Geological Survey of Canada	Equip., accomm.	8/10/2014
24	Scott Dallimore	Geological Survey of Canada	Accommodations	8/10/2014
25	Jordan Peterson	Gwich'in Tribal Council	Equipment	8/11/2014
26	Benjamin Kissinger	Dept. of Fisheries and Oceans	Accommodations	8/13/2014
27	Trevor Lantz	University of Victoria	Accommodations	8/14/2014
28	Emily Carmeron	University of Victoria	Accommodations	8/15/2014
29	Kris Maier	GRRB	Accommodations	8/17/2014
30	Marina Piscitelli	University of British Columbia	Accommodations	8/20/2014
31	Michael Pisaric	Brock University	Accommodations	8/22/2014
32	Jennifer Baltzer	Wilfrid Laurier University	Accommodations	8/31/2014
33	Signe Rix Berthelin	Norwegian Uscience&Tech	Accommodations	9/1/2014
34	Michael Hewitt	MDA	Accommodations	9/2/2014
35	Harneet Gill	University of Victoria	Accommodations	9/10/2014
36	Colin Gallagher	Fisheries and Oceans	Accommodations	9/12/2014

Figure 2: Logistical support provided by WARC between July 1 and September 30, 2014.

Research Presentations


Presentation by Matthew Seaboyer, GNWT Environment and Natural Resources

ARI hosted a presentation by Matt Seaboyer entitled “The Air Quality Health Index: A tool for minimizing personal risk from air pollution”. Matt Seaboyer is the Air Quality Programs Coordinator at the Yellowknife ENR office. He discussed the Air Quality Health Index (AQHI), which was developed by Environment Canada and Health Canada in collaboration with various other organizations. The purpose of the AQHI is to inform Canadians of current air quality conditions in their community, and help them reduce personal risks associated with exposure to air pollution. AQHI forecasts are currently issued for 97 locations across Canada, with Inuvik being one of the four new communities to join the program in the summer of 2014.



AURORA RESEARCH INSTITUTE
AURORA COLLEGE

The GNWT – Wilfrid Laurier Partnership: Integrated Environmental Research in the Inuvik Region
By Dr. Phil Marsh & Dr. Oliver Sonnentag



Monday July 21st, 2014 at 4pm
Aurora Research Institute
Coffee, tea, and snacks will be provided

In 2010, Wilfrid Laurier University and the GNWT signed a 10-year Partnership Agreement to expand the Territories' capacity to conduct environmental research and monitoring.

The Partnership is now preparing to conduct research in the Sahtu and Mackenzie Delta regions. Their work will improve understanding of climate change impacts on trees and shrubs, permafrost, snow, stream flow, and lake levels in the region, and will improve the predictive tools needed to effectively guide the long-term stewardship of water resources in the NWT.

Dr. Marsh and Dr. Sonnentag will provide details on the Partnership, and outline research plans in the Mackenzie Delta and the uplands to the east of the Delta.

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

Presentation by Philip Marsh and Oliver Sonnentag, GNWT/ Wilfrid Laurier Partnership

Drs. Marsh and Sonnentag spoke about the partnership between the GNWT and Wilfrid Laurier University. They outlined their research plans in the Mackenzie Delta region, including upland areas to the east of the Delta. They explained how their research would provide improved understanding of the impact of climate change on trees and shrubs, permafrost, snow, stream flow and lake levels in the region. They also discussed how their research would guide effective long-term stewardship of water resources in the NWT.

Presentation by Mary Gamberg, Northern Contaminants Program

In early September, ARI hosted a presentation by Mary Gamberg entitled “Contaminants in Arctic Caribou”. During her presentation, she discussed the results of over 20 years of data collection under the Northern Contaminants Program. She also discussed what those results mean to northerners who traditionally hunt caribou, as well as what they mean in a global context.

Outreach Activities

Arctic Tour led by Alana Mero

On July 11, 2014, Alana Mero (a resident of Inuvik and former ARI staff member) led a tour of the research facility along with staff members Erika Hille and Brittaney Watters. There were a total of twenty participants in attendance, all of them tourists from out of town.

Kivuni Summer Day Camps

In July, ARI summer students Brittaney Watters and Amy Clark coordinated a tour, science experiments and games for children ages 5 to 12 from the Kivuni Summer Day Camps. Approximately 30 children participated on each of three days. The science activities included the blubber glove, lava lamps, and mystery matter. Each group also played the fossil guessing game.

Children First Society

Summer students Brittaney Watters and Amy Clark coordinated a tour, a science experiment and game for children aged 2- 3 years from the Children First Centre. They first got a tour of the building, then they conducted a science experiment called mystery matter and lastly, they played the fossil guessing game.



Kids from the Kivuni camp (left) and the Children First Society (right) in the WARC labs.

Ingamo Hall Summer Day Camp

In late July, the ARI Summer Students (Brittaney and Amy) coordinated a tour, a science experiment and a game with children from the Ingamo Hall Summer Day Camp. For the science experiment, they made homemade lava lamps, and they later played the fossil guessing game.

Kivuni Summer Day Camps

Two ARI summer students, Edwin Amos and Elye Clarkson, coordinated a tour, a science experiment and a game with children aged 5 to 12 from the Kivuni Summer Day Camps. On each of three days, approximately 20 children participated. The oldest group's science experiment was the blubber glove, the younger group's science experiment was the food web game, and the youngest group's science experiment was called the categories game. All three age groups played the fossil guessing game.

Habitat Restoration Workshop for Youth

The Habitat Restoration Workshop was a hands-on activity to teach young community members about the use of native seeds in habitat restoration. In collaboration with several ARI staff (including three summer students, two technicians, and the project coordinator), Inuvik youth planted seedlings in disturbed areas at the Inuvik Golf Course. Preparatory work took place from mid-July until early August. The main planting happened on the 6th and 7th of August. A total of 15 Inuvik youth participated, consisting of summer students from two local organizations and youth from the community. The participant organizations were the Gwich'in Renewable Resources Board, the Inuvik Community Greenhouse, the Youth Centre, Youth and Family Support Services, and the town of Inuvik.



Participants from the Habitat Restoration Workshop planting seedlings at the Inuvik golf course.