



# IRC Community Research Newsletter

## NORTHERN COMMUNITIES TAKING A CLOSER LOOK AT CLIMATE CHANGE AND HEALTH ISSUES

by Erin Myers

FALL 2009

Since 2008, Health Canada, First Nations and Inuit Health Branch (FNIHB) has funded 20 community-based research projects across the North dealing with climate change and its impact on health. Some projects are youth based with a strong focus on traditional knowledge, while others hold a very strong science component. The following map gives an idea of where the research projects are and have taken place.

### FNIHB-funded Northern Climate Change Research Projects



Over the last decade, Northern communities as well as climate change researchers have begun to understand the degree to which climate change is impacting the health of Northern peoples in Canada. Climate change is not just an environmental issue but it is very much a human health issue. The health implications resulting from a warmer and more unpredictable climate will not be distributed evenly: current health status, geography, age, economics, gender and genetics are all key variables affecting the ability of individuals and communities to adapt and reduce the effects of climate change.

To help address these issues, it is important to involve communities in monitoring, discussing, advocating and participating with the process of adaptation. Health Canada, as a part of the federal government's overall climate change strategy, has developed a program to fund community-centred research, where the research is to be done by community members to find culturally appropriate and locally-based, long-term human health adaptation strategies.

Community-based research builds capacity and enables communities to develop relevant communication materials that will help in adaptation decision-making at community, regional, and national levels.

### CALL FOR PROPOSALS

#### **2010-2011 Climate Change and Health Adaptation in Northern First Nation and Inuit Communities Program**

For further information or to obtain an Application Guide, contact:

Diane McClymont Peace, Program Manager.  
diane\_mcclymont-peace@hc-sc.gc.ca or 613-946-9663

Erin Myers, Program Officer  
erin\_myers@hc-sc.gc.ca or 613-957-2490

Submission deadline: **January 24, 2010**

# INUIT RESEARCH ADVISOR COMMUNITY MEETINGS 2009

Each year, the Inuit Research Advisor (IRA) holds community meetings in each Inuvialuit Settlement Region (ISR) community to update people on research activities, new resources developed for communities and opportunities that are available in terms of funding or for possibilities that exist for beneficiaries to be trained or be part of research projects that are in or near Inuvialuit communities.

This year, the IRA was able to work closely with Health Canada (HC) First Nations and Inuit Health Branch (FNIHB) to focus on an opportunity for communities in the ISR to apply for funding to the HC Climate Change and Health Adaptation Program to do their own one year research project on climate change and health that is of interest or great importance to their community's well being. The IRA explained the program to people and asked if they could think of any idea for projects, and whether they think their community has the capacity and ability to carry out a project for a full year.

To do this, the IRA held afternoon lunch meetings or evening dinner meetings to speak with frontline workers in the community that would likely be appointed by the community to carry out the project. To draw people in to the meeting, the IRA offered door prizes and snacks to participants of the meeting. At each meeting, the IRA did a brief presentation explaining the concept of the program and the kinds of projects they are looking for. Next, everyone was encouraged to have a group conversation to flush out possible ideas for projects that the community felt they could do. After this, everyone was given a personal gift for attending, and then a grand prize was drawn randomly using 'admit one' tickets. Communities were given different prizes ranging from beaded slippers to black stroud and black seal skin. Based on the reception, people were very pleased to be received prizes that they could use in their daily lives.

The IRA 's role in helping communities submit proposals is to 1) find the right people to work on the project , 2) help them develop their ideas and 3) ensure that they have a plan in terms of where the money and equipment will be administered through. To help do this, the IRA is planning on writing a short proposal to Health Canada for supplementary dollars to travel back to interested communities to hold a proposal writing workshop during the last part of December until January 20th, 2010.

**Following is a summary of where the IRA went, which locations that were used, and what the outcomes were of the meetings.**

**August 13-14-Paulatuk** (meeting was held from 6-8 PM)  
The meeting in Paulatuk was held at the Paulatuk Visitors Centre Hotel banquet hall. Proposed project: small scale caribou count for region around Paulatuk

**September 9-11-Ulukhaktok** (meeting Sept 10 from 6-8)  
The meeting in Ulukhaktok was held at the Community Hall  
Proposed project: Look at Fish Lake b/c of water and fish

**October 14-16-Aklavik** (meeting October 15 from 12:00-2:00PM)  
The meeting took place at the Hamlet Chambers.  
Proposed project: h Pylori. Or another water quality project

**October 19-22-Sachs Harbour** (meeting was held October 20 from 12:00-2 and 6-7PM)  
The meeting in Sachs took at the Hamlet Chambers  
Proposed project: No clear indication yet!

**November 4-6-Tuktoyaktuk** (meeting held on November 5th from 12:00-3:00PM)  
The meeting in Tuktoyaktuk took place on November 5th from 12:00-3:00PM at the Hamlet Chambers with later visits to the Youth Center.

Proposed project: No clear indication yet. Permafrost seems relevant to people.

**November 12-Inuvik** (meeting was held on Nov 12 from 12:00-2:00 PM)  
The meeting in Inuvik took place in the IRC Foyer.  
Proposed project: Water quality, sewage lagoon



# HENDRICKSON ISLAND BELUGA CAMP 2009

by Lisa Loseto

This summer researchers were up at Hendrickson Island again to sample beluga with community and hunters from Tuktoyaktuk. Researchers are asking questions about beluga health to better understand their condition now and how things may change in the future.

The research team included: Lisa Loseto (University of Victoria, DFO) studying beluga diet in relation to contaminants and possible links to climate change; Stephen Raverly (BC Animal Health) studying diseases; Marie Noel (University of Victoria) studying contaminant health effects. Two students from Tuktoyaktuk (Ryan Walker and Jocelyn Noksana) also participated at the beluga camp in a youth mentoring program. Inuvik Fisheries and Oceans personal visited and



Frank Pokiak sampling the skin the blubber for Lisa Loseto to subsample with Nellie for freezing and further analysis of contaminants, and diet and health markers. Behind, Ronald Felix the FJMC monitor assisting with harvest and sampling.

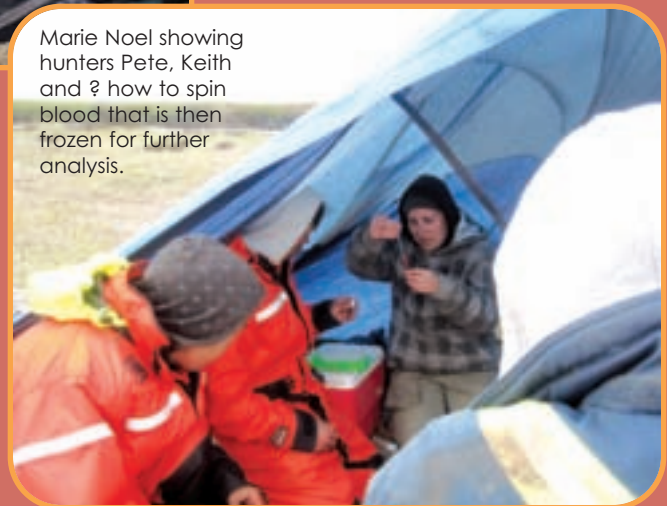


Student Jocelyn Noksana, science personal Marie Noel, Lisa Loseto and student Ryan Walker keeping warm by the fire.

assisted with camp logistics and science. In partnership with the out-of-town scientists were Frank and Nellie Pokiak and their family who were collecting tissues as part of a long term sample program with G. Stern (DFO). As part of the FJMC beluga monitoring program two monitors and their families were out collecting harvest data from the Tuktoyaktuk hunters. We shared our science and techniques with any youth or island visitors who were interested in the program.

A total of 20 whales were sampled that included one fetus, and seven females. The busiest sampling date was July 12 where 7 whales were landed and sampled. The tissues sampled for contaminant, diet and health status included muktuk, muscle, liver, kidney, blood and urine. Tissues taken for disease included stomach sections, spleen, thyroid, lung, lymph, pancreas and brain when possible.

The two students, Ryan and Jocelyn helped in sampling and sub sampling efforts as well as spent time with elders and hunters on the island learning about traditional knowledge. Students have recently submitted articles about this experience on Hendrickson Island to the Tusaqyaksat journal.



Marie Noel showing hunters Pete, Keith and ? how to spin blood that is then frozen for further analysis.

# WHAT'S HAPPENING WITH THE NORTHERN CONTAMINANTS PROGRAM IN THE INUVIALUIT SETTLEMENT REGION IN 2009/2010?

by Lorna Skinner

Indian and Northern Affairs Canada's (INAC) Northern Contaminants Program (NCP) is working to reduce and, wherever possible, eliminate contaminants from sources in traditional foods, while providing information that will help people and communities make informed decisions. NCP also helps support communities to deal with specific contaminant issues. Here's what's new with the Northern Contaminants Program:

## Northerners Doing Northern-Based Research

The NCP Management Team met in April of 2009 to review all proposals submitted for 2009/2010. A total of 62 proposals across the NWT, Nunavut, Yukon, Nunatsiuvut and Nunavik were submitted. Twenty-seven research proposals from the NWT were reviewed and 25 were accepted for the 2009/10 fiscal year of which 13 are in the Inuvialuit Settlement Region. The majority of these projects were focused on monitoring the levels of contaminants in animals such as beluga whales, polar bears and ringed seal.

The NCP is also funding community projects to help build capacity in the ISR and to incorporate Inuit knowledge into the communication of scientific information. One of these projects is being lead by Rebecca Pokiak from Tuktoyaktuk. Rebecca is working to bring together scientific information from Fisheries and Oceans Canada and local information from people in the community. This work will allow Rebecca to develop a more holistic communication tool to report back on the research on Beluga whales over the last five years.

## Arctic Contaminants Report Available Now!

In June of 2009 the Northern Contaminants Program released results of the Third Canadian Arctic Contaminants Report: Human Health Assessment in Iqaluit, Nunavut. This assessment is a compilation of health research results from 2002 to 2007. For more information or for copies of this report, please contact Lorna Skinner at 867-669-2847 or by e-mail at [Lorna.Skinner@inac.gc.ca](mailto:Lorna.Skinner@inac.gc.ca)

## NCP on the Road

Lorna is chair the NWT Regional Contaminants Committee and also works with Indian and Northern Affairs Contaminants and Remediation Directorate. This past year, she delivered a presentation on the Northern Contaminants Program in Ulukhaktok. She gave an overview of what the program is currently doing and was able to address the community's concerns. Lorna also attended a community meeting in Sachs

Harbour this summer and spoke to people about the program and provided information to the Hunters and Trappers Associations in both communities.

The Northern Contaminants Program Results Workshop was held Sept. 29 and 30 in Ottawa. The workshop gave participants the opportunity to hear results of research from 2008/09. More information about NCP's research can be read in the annual Synopsis of Research. Copies can be viewed at the Inuvialuit Regional Corporation or requested from Lorna Skinner at 867-669-2847 or by e-mail at [Lorna.Skinner@inac.gc.ca](mailto:Lorna.Skinner@inac.gc.ca)

## NCP Blueprints: Meeting Your Community's Needs?

After the workshop, participants met to discuss changes to NCP by reviewing the "blueprints" of the program. There are three main blueprints (plans) that help direct the researchers working on the Northern Contaminants Program to address Inuit and scientific priorities. These include the Human Health Blueprint, Environmental Trends Blueprint and the Education Communication Blueprint. Working groups looked at ways to enhance these Blueprints to ensure gaps of knowledge related to long-range contaminants are addressed and communicated. If you are interested in the blueprints or have ideas on how to make them more applicable to your community's needs, please feel free to contact Lorna Skinner at any time. Communities are encouraged to take a look at the blueprints and to develop proposals for how they can be made to work better. The deadline for proposals is late January 2010.

## Contact NCP

If you have any questions regarding the Northern Contaminants Program please contact:

**Shannon O'Hara** (IRC) 867-777-7022 [sohara@irc.inuvialuit.com](mailto:sohara@irc.inuvialuit.com)  
**Richard Binder** (IGC) 867-777-2828 [igc-tech@jointsec.nt.ca](mailto:igc-tech@jointsec.nt.ca)  
**Eric Loring** (ITK) 613-238-8181 ext 234 [loring@itk.ca](mailto:loring@itk.ca)  
**Lorna Skinner** (INAC) 867-669-2847 [Lorna.Skinner@INAC.gc.ca](mailto:Lorna.Skinner@INAC.gc.ca)



# CONTAMINATED SITES REMEDIATION IN THE INUVIALUIT SETTLEMENT REGION

by Lorna Skinner

This year under the Federal Contaminated Sites Program (FCSP) Indian and Northern Affairs Canada's Contaminants and Remediation Directorate is cleaning up two areas within the ISR.

## Johnson Point

Johnson Point is in its second year of clean up and removal of all debris will be completed in 2010. This site was used as an oil and gas exploration support and staging area and is located approximately 270 km northeast of Sachs Harbour on Banks Island.

An Inuvialuit company, **E. Grueben Transportation (EGT)**, was awarded the contract for the clean up project. Waste materials were collected for shipment and contaminated soils were treated at the site during the fall of 2008 and the summer and fall of 2009.

Community participation is important to the success of this clean-up project. EGT had 67 Inuvialuit employees working at the site this summer and reached 98% use of Inuvialuit suppliers on this contract. There was a need for many different types of work at the site including heavy equipment operators, hazardous waste handling, labourers and camp services such as bear monitors, camp cook, etc.

INAC employees Katherine Silcock, Joel Gowman and Lorna Skinner attended a community meeting in Sachs Harbour in June to explain the plan for Johnson Point over the summer months. The community visit and feast was very well attended.

## Victoria Islands

The Victoria Island Remediation Project is a coordinated and cost-effective effort to clean up six sites which are located approximately 200 km northeast of Ulukhaktok.

Phase 1 of the project included a training program with the Ulukhaktok Community Corporation. The activities included the

gathering of waste material such as old oil drums, painted wood and metal debris, and consolidating it into two staging areas. Eight newly trained community members were hired to do this work.

Phase II of the project will involve removal of the waste from the staging areas. The proposed work will occur in 2010/11 and will involve removal of the gathered waste to Ulukhaktok and transported to southern destinations for disposal. Phase II will be contracted through Public Works and Government Services Canada and will be posted on the MERX on-line contracting system.

## What's Next? Future Work in the Inuvialuit Settlement Region

Further assessment of Bar C (located on the Mackenzie River half way between Tuktoyaktuk and Inuvik) is planned for 2010. The site was used as an Intermediate DEW-Line Station, much like Atkinson Point and was also used as a staging ground by Imperial Oil.

## Completed Remediation Work in the Region

- Pearce Point
- Horton River
- Kittigazuit - Yellow Beetle
- Atkinson Point

If you have any questions on clean up/remediation work being done in the ISR please contact Bill Coedy at 867-669-2793 or e-mail Bill.Coedy@inac.gc.ca or Joel Gowman at 867-669-2423 or e-mail Joel.Gowman@inac.gc.ca

Visit us online! <http://www.ainc-inac.gc.ca/ai/scr/nt/cnt/index-eng.asp>



# INUVIK'S COMMUNITY RESEARCH WORKING GROUP MEETING # 1

## INUVIK RESEARCH WORKING GROUP MEETING SEPTEMBER 3 MIDNIGHT SUN RECREATION COMPLEX (MSRC)

The Inuit Research Advisor (IRA) held the first Inuvik Research Working Group meeting on September 3rd from 5-8 PM at the Midnight Sun Recreation Complex (MSRC).

As mentioned in the previous newsletter, the IRA is leading a pilot project in Inuvik this year to look at whether the community thinks there is a need to have an established research working group that comes together twice a year to give updates on current research occurring in the region from the perspectives of various different government and aboriginal organizations that deal with research in the Inuvialuit Settlement Region as well as the Gwich'in Settlement Area.

During the meeting the IRA prepared and handed out information packages and did a power point presentation for the participants. The information packages contained information about the IRA position, ethics fact sheets, research guides and other materials that the participants were encouraged to share with their offices. Then, the IRA explained the concept of the working group, and assured all that the group was not looking for funding but rather was just assessing whether or not there was need to have research shared among offices and organizations in the region that have a stake in research and training.

Afterwards, we held a group discussion on where we might see a group like this go in the future, whether it's feasible, or whether it is needed for a community like Inuvik. Many of the participants said that they think Inuvik needs a group that monitors research and shares information on research activities and priorities, and all of us agreed that this has been kind of communication that has been lacking in our community, but also in others across the north that review research proposals

Participants then suggested to the IRA other people who they believed should be part of the group, found gaps in the current sharing of research information and results, and brainstormed ways we could better communicate amongst one another on a daily basis. It was here that the IRA was first made aware of the amount of research that is not being funneled through the right offices within IRC and likely other aboriginal groups. For instance, Aurora Research Institute (ARI), is sent all research applications that involve Inuvialuit and would be licensed under them to the IRA, but there is a gap in research awareness when it comes to either wildlife or fisheries research that is licensed directly by the government agencies

like Resources, Wildlife, and Environment Department (RWED) and Fisheries and Oceans Canada (FOC). The IRA needs to be in contact with these agencies in order to properly make people aware of the research.

After the meeting, the IRA invited all participants to stay afterwards for a dinner and refreshments, and we're thanked for their time and effort in participating in the meeting.

There will be on final working group meeting scheduled for the beginning of January which will focus on structuring the working group, defining a terms of reference, and deciding on the future direction of the group. A tentative date has been set January 15, 2009, in which another dinner will be provided. The only change to the agenda will be that the meeting will be held during the day from 9-12 AM and 1-4 PM.

In attendance:

Joel Mc Alister, Aurora College

Marsha Branigan-RWED

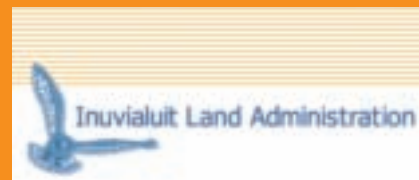
Kelly Eggers, FOC

Christina Carter,  
Inuvialuit Land  
Administration

Richard Binder,  
Joint Secretariat

Beth Oehler,  
BDHSS Authority, Inuvik

Shannon O'Hara, facilitator, IRC



# NCP UPDATE

## NCP 6TH ANNUAL SCIENTIFIC MEETING OTTAWA ONTARIO, SEPTEMBER 29-OCT 1 CROWNE PLAZA HOTEL

The Inuit Research Advisor (IRA) attended the Northern Contaminants Program' (NCP) 6th Annual Scientific Meeting from September 29-October 1st at the Crowne Plaza in Ottawa, Ontario.

Each year, this meeting brings together researchers, students, and their aboriginal partners together to discuss their results of research for the year, and to network with one another on possible collaborations and future research.

Also during this meeting there is a poster session that is put on, where all participants are given an opportunity to present their work on a different format than doing verbal talks. The IRA usually utilizes this form of presenting at these meetings, but this year wanted to be more vocal in delivering key messages to researchers this year.

This year, the Inuit Research Advisor along with her counterparts in Nunavut and Nunatsiavut did presentations at the meeting to introduce ourselves as well as update the

group on the various activities and projects that we contributed to throughout the year.

Some of the presenting researchers who did work in the Inuvialuit Settlement Region this year included Gary Stern (fisheries research), Lisa Loseto (beluga research), Laurie Chan (Inuit Health Survey), and Steve Blasco (Marine sea-floor mapping in the Beaufort).

During this meeting, the NCP also had the opportunity to have a meeting to discuss the four blueprints (areas of research and administration) that they work from. The four different blueprints are Human Health, Education and Communications, Environmental Monitoring and Administration. The IRA's were asked to be at one of the meetings to contribute our ideas to the development of a new direction for each blueprint.

All IRA's were in attendance at this meeting.

# NASIVVIK UPDATE



## Update on Training and Education

The Nasivvik Centre provides training and educational experiences on Inuit environmental health issues under a number of initiatives. These are currently under various stages of development and operation in the four Inuit regions of Canada. For more detailed information on any of these initiatives please contact the Executive Director, Susie Bernier at [susie.bernier@crchul.ulaval.ca](mailto:susie.bernier@crchul.ulaval.ca).

- The Nasivvik Centre for Inuit Health and Changing Environments, one of 9 Aboriginal health centres funded under the Canadian Institutes of Health Research – Institute for Aboriginal Peoples Health (CIHR-IAPH) is coming to the end of its 2007-2010 funding phase. The centre will be up for review and renewal in January 2010 for another potential 3-year funding phase.

- Nasivvik will launch its 2010-2011 call for applications for master, doctoral and post-doctoral scholarships/fellowships in December 2009. Deadline for submissions will be February 26 2009.
- Nasivvik will launch its second 2009-2010 call for applications for complementary funding of research in December 2009. Awards will be given on a first come-first serve basis following review from the Nasivvik review committee.



# INUIT RESEARCH ADVISOR'S TRAINING WORKSHOP

## INUVIK RESEARCH ADVISOR'S TRAINING WORKSHOP OTTAWA ONTARIO, SEPTEMBER 27-28 INUIT TAPIIRIT KANATAMI

The Inuit Research Advisor training workshop took place at the Inuit Tapiriit Kanatami (ITK) offices from September 27 and 28th in Ottawa Ontario. This training workshop was organized by Nasivvik and ITK, with all other funding and support organizations involved with developing the training outline and facilitation of the training modules.

The training workshop consisted of four modules delivered over two days by several different people; Introduction to research methods facilitated by Chris Furgal (Professor at Trent University and Co-director of Nasivvik), Critical review of research facilitated by Chris Furgal, Shari Gearheard (Researcher, Nunavut) and Jamal Shirley (Nunavut), Ethics facilitated by Scot Nickels (ITK) and Michel Giroux (Lawyer, Ethicist from Quebec) and an Introduction to all three funding organizations by Chris Furgal (Nasivvik), Simon Smith (Northern Contaminants Program) and Martin Fortier (ArcticNet).

This training session was one of two training sessions offered to Inuit Research Advisor's to date. The first one took place in Quebec City in 2006 and was organized by Nasivvik. Here the IRA's at the time were brought together for our first ethics training.

This training workshop however also focused on ethics but also had modules and sessions that were recommended by the IRA's.

Also a big component of the workshop was to begin drafting out the IRA Training Manual which is a new document that is meant to help IRA's in their positions. This manual will be written by Katelyn Friendship of Nasivvik with input from IRA's, our funders and support organizations. This manual never existed before and is meant to help IRA's transition into their

positions and make it easier to learn their roles and responsibilities as well as learn more about the organizations they will work for and better ways to balance their time in helping communities and researchers.

Also distributed during the training were the Ethics Fact Sheets produced by Inuit Tuttarvingat of National Aboriginal Health Organization (NAHO) and Inuit partners who currently sit on the newly developed Inuit Ethics Committee, Inuit Nipingit. These fact sheets were developed to help communities understand research and the processes involved with ethics. These fact sheets have been distributed across the north by the NAHO as well as by the IRA's who were directly involved in their creation.

In attendance at the meeting: Eric Loring, (ITK), Meghan McKenna, (ITK), Susie Bernier, (Nasivvik), Jean Luc Bernier (ArcticNet), Simon Smith (NCP), Russell Shearer (NCP), Chris Furgal (Nasivvik, Trent University), Katelyn Friendship (contractor for IRA manual, Nasivvik), Martin Fortier (ArcticNet), Eric Dewailly, (Nasivvik), John Lampe (IRA Nunatsiavut), Stephanie Mc Donald (IRA Nunavut), Carry Grable (contractor, wrote IRA review document), and new IRA Annie Baron from Nunavik.



# Current Research in the Inuvialuit Settlement Region - 2009

**Categories:** P = Physical Science, L = Social Science, B = Biology, H = Health, T = Traditional Knowledge, C = Contaminants, E = Engineering  
**Regions:** IN = ISR, GW = GSA, SA = Sahtu, NS = North Slave, DC = Dehcho, SS = South Slave

YEAR	LICENCE#	CATEGORY	REGION	NAME	AFFIL	TITLE	LOCATION
2009	14413	H	NS, SS, GW, DC, IN	Dr. John Graham	University of Calgary	Subjective Well Being and Social Workers within a Canadian Northern Context	Members of the Association of Social Workers of Northern Canada who practice throughout the Northwest Territories
2009	14426	T	GW, IN	Mr. Michael Svoboda	Arctic Borderlands Ecological Knowledge Coop	Arctic Borderlands Ecological Knowledge Coop - Community Based Ecological Monitoring Program	Aklavik, Inuvik, Tuktoyaktuk, Fort McPherson and Tsiigehtchic
2009	14436	H	IN, GW, SA, NS	Dr. Anna Banerji	St. Michael's Hospital - University of Toronto	Surveillance and Cost Analysis of Respiratory Syncytial Virus Infections in Arctic Communities in Canada	Yellowknife (Stanton Territorial Hospital) and Inuvik (Inuvik Hospital)
2009	14439	H	IN	Ms. Aliya Pardhan	University of Guelph	An Investigation of the Potential Impact of Climate Change on Infectious Gastroenteritis in the Canadian Arctic	Access to notifiable disease data that has been reported from Aklavik, Holman, Inuvik, Paulatuk, Sachs Harbour and Tuktoyatuk
2009	14440	T	IN	Mr. Tristan Pearce	University of Guelph	Transmission of Environmental Knowledge and Land Skills Among Inuit in Adaptation to Climate Change	Ulukhaktok
2009	14442	H	IN, GW	Dr. Mark Makowsky	University of Alberta	Northern Treatment of Hypertension (NORTH)	Northern Grocery Store Pharmacy, Inuvik
2009	14449	H	NS, SS, DC, GW, SA, IN	Dr. Yang Mao	Public Health Agency of Canada	The Prevalence of Human Papillomavirus and Its Impact on Cervical Dysplasia in the Northwest Territories: Component II	12 Northwest Territory Communities
2009	14452	L	IN, GW, SA, NS	Ms. Sandra Lukas-Amulung	Royal Roads University & Kiggiak-EBA Consulting	"The Rules of Engagement? NWT Negotiated Agreements and Environmental Assessment"	Yellowknife, Inuvik, Tulita and Rae-Edzo (Behchoko)
2009	14455	L	IN, GW, NS	Ms. Julia Christensen	McGill University	Homeless in a homeland: housing insecurity and resource development in the Northwest Territories	Yellowknife, Paulatuk and Inuvik
2009	14456	L	IN, GW	Ms. Natacha Brunelle	University of Quebec Trois-Rivieres	Healthy Living in Schools and Substance Abuse among Youth (Part 2)	Inuvik and Paulatuk
2009	14457	L	IN	Ms. Elsie DeRoose	Government of the Northwest Territories	Healthy Foods North Intervention Project	Inuvik, Tuktoyaktuk and Ulukhaktok
2009	14459	P	IN	Mr. Pen Hadow	Catlin Arctic Survey	Catlin Arctic Survey	80th parallel to the Geographic North Pole

Research listed here does not include wildlife or fisheries as they are licensed through Environment Natural Resources and Fisheries and Oceans Canada. However, these listings will be added in upcoming editions. List updated July 2009.

## Current Research in the Inuvialuit Settlement Region - 2009

YEAR	LICENCE#	CATEGORY	REGION	NAME	AFFIL	TITLE	LOCATION
2009	14461	P	IN	Mr. Jim Craven	Geological Survey of Canada	Electromagnetic Studies of Permafrost in the Mackenzie Delta	Northern end of Richard's Island (69°27'40.7"N and 134°39'30.4"W)
2009	14462	P	IN, GW	Dr. Wayne Pollard	McGill University	Land Management Problems in Hydrocarbon Development Areas with Ice-Rich Permafrost: Detection and Assessment	Parson's Lake, Northern Richard's Island, around Fort McPherson and Ya Ya Lake Esker
2009	14463	P	IN, GW	Dr. Steve Kokelj	Indian and Northern Affairs Canada	Environmental Studies Across Tree Line	76 sites around the Mackenzie Delta
2009	14464	P	IN	Dr. David Burgess	Geological Survey of Canada	Melville Island South Ice Cap Mass Balance & Snow Pollution	South Melville Ice Cap
2009	14465	L	IN, GW	Ms. Suzanne Robinson	NWT Literacy Council/Aurora College	Take it from the Top Northern Perspectives on: Southern Canada, Newcomers to the North, and their land and people	Aklavik, Inuvik, Fort McPherson, Tsiigehtchic, Ulukhaktok and Tuktoyaktuk
2009	14466	P	IN	Dr. Steve Solomon	Geological Survey of Canada	Geological conditions affecting industrial and community development in the coastal and nearshore regions of the western Canadian Arctic - year 3/3	40 research sites in the Mackenzie Delta (solely in the Inuvialuit Settlement Region)
2009	14467	B	IN	Dr. Marlene Evans	Environment Canada	Biological Studies of Waters Along the Proposed Mackenzie Gas Project Pipeline Route - Inuvialuit Settlement Region	24 Lakes in the ISR
2009	14470	P	IN, DC	Dr. Erin Maxwell	University of Alberta	Jurassic and Cretaceous ichthyosaurs diversity in Northern Canada	Cape Grassy on Melville Island and South of Enterprise along the Hay River
2009	14472	BP	IN	Dr. Scott Lamoureux	Queen's University	Chemical Evolution of a Hypersaline High Arctic Coastal Lake	Shellabear Lake, Dundas Peninsula and Melville Island
2009	14475	T	IN	Mr. Daniel Slavik	University of Alberta	Inuvialuit Perspectives of Polar Bear Population Health and Harvest Sustainability	Sachs Harbour and Inuvik
2009	14478	P	IN, GW	Dr. Josephus van der Sanden	Natural Resources Canada	"RADARSAT Observations of River Ice and Flood Patterns in the Mackenzie River Delta"	In the Mackenzie River Delta with focus on Middle Channel, approximately from Point Separation to just North of Oniak Island
2009	14479	P	IN, GW	Dr. Timothy Eglinton	Woods Hole Oceanographic Institution	Deltaic Lake Sediments as Recorders of Past Carbon Export from Arctic River Drainage Basins	Mackenzie Delta Lakes near East, West and Peel Channels

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2009	14482	L	IN	Dr. Wolfgang Haider	Simon Fraser University Arctic Health Research Network	Community Engagement in Marine Protected Area (MPA) Planning in the Arctic: Towards an Arctic Network of MPAs	Aklavik, Inuvik and Tuktoyaktuk
2009	14487	H	GW, IN	Ms. Susan Chatwood	University of Alberta	Climate as a Health Determinant in the Aklavik Region of the Northwest Territories	Aklavik
2009	14489	L	IN	Ms. Zoe Todd	University of Saskatchewan	The Impact of Participation in the Wage Economy on Traditional Harvesting, Dietary Patterns and Social Networks in the Inuvialuit Settlement Region	Paulatuk
2009	14491	P	IN, GW	Dr. George Sofko	University of Alberta,	olarDARN (The northern hemisphere polar portion of the international SuperDARN (Super Dual Auroral Radar Network) program)	Inuvik (Lot 2, Block 107, Plan 4166)
2009	14492	H	GW, IN	Dr. Karen Goodman	Division of Gastroenterology	The Aklavik H. pylori Project	Aklavik
2009	14496	H	IN	Dr. Merryl Hammond	Consultancy for Alternative Education	Changing the "culture of smoking": Community-Based Participatory Research to empower Inuvialuit communities	Aklavik and Ulukhaktok
2009	14498	P	IN, GW	Dr. Philip Marsh	Environment Canada - National Water Research Institute	Hydrological Studies, Mackenzie Delta Region	Trail Valley Creek, Havikpak Creek, Denis Lagoon, Trail Valley Creek, Havikpak Creek, Denis Lagoon, Big Lake
2009	14499	P	IN	Dr. Andreas Herber	Alfred Wegener Institute	Pan-Arctic Climate, Weather and Sea Ice Measurements	Over sea-ice north of Sachs Harbour
2009	14502	P	IN	Dr. Frederick Wrona	University of Victoria - Department of Geography	Hydro-ecological Responses of Arctic Tundra Lakes to Climate Change and Landscape Perturbation	60 study lakes located in the regions close to Noell Lake, Parsons Lake and on Richards Island
2009	14504	B	IN	Mr. Rick Hoos	EBA Engineering Consultants Ltd. (EBA)	Aquatic Environmental Effects Monitoring - Flat River at Cantung Mine	Flat River close to the CanTung Mine
2009	14508	L	GW, IN	Dr. Cindy Jardine	University of Alberta - Dept. of Rural Economy	Youth and Tobacco Studies with the Yellowknives Dene First Nations	K'ólemi Dene School and in the communities of Ndilo, Dettah and Yellowknife
2009	14512	P	IN, GW	Dr. Lance Lesack	Simon Fraser University	Biogeochemistry of Lakes in the Mackenzie Delta	Varioud locations in the Mackenzie Delta
2009	14513	P	IN, GW	Dr. Michael Pisaric	Department of Geography, Carleton University	Examining the impacts of climate change on aquatic and terrestrial ecosystems of the Mackenzie region, NWT	Central and western Mackenzie Delta, east of the Delta around Noell Lake and the Gwich'in Jak Park

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## Current Research in the Inuvialuit Settlement Region - 2009

YEAR	LICENCE#	CATEGORY	REGION	NAME	AFFIL	TITLE	LOCATION
2009	14516	L	IN, GW, SA, DC, NS, SS	Ms. Sheila Bassi Kellett	Royal Roads University	NWT Local Government Administrator Leadership Capacity	In Fort Providence (case study) and Yellowknife (conference call). Conference calls may involve reps. from 16 communities (as in Notif. of Research).
2009	14517	P	IN, GW	Mr. Timothy Ensom	Carleton University Department of Geography and Environmental Studies	Influence of Mackenzie Delta Channel Thermal Regime on Permafrost	At channel sites in the eastern Mackenzie delta and at stream sites on adjacent tundra uplands near Inuvik, NWT.
2009	14521	P	IN, SA	Ms. Lori Neufeld	Imperial Oil Resources	Northern Phase 1 Environmental Assessment Program - Remote Sensing Pilot Project	Airplane will be carrying sensors and fly over each site, collecting digital data (approx. 100 sites in the ISR and possibly 12 sites in the Sahtu)
2009	14522	P	IN	Dr. Richard Soare	Dept. of Geography, Planning and Environment, Concordia University	Comparative studies of pingos and pingo clusters in the Tuktoyaktuk Peninsula, NWT and Athabasca Valles, Mars	Peninsula Point Pingo near Tuktoyaktuk and two other pingos at Eskimo Lakes
2009	14523	L	IN	Dr. Donald Taylor	McGill University	Partnering with Parents and Community Members in Education	Paulatuk
2009	14524	B	IN, SA	Dr. Lynn Gillespie	Canadian Museum of Nature	Flora of the Canadian Arctic – diversity and change	Canoe Lake and vicinity, near the lower Hornaday River and lower Brock River, including nearby coastal areas.
2009	14525	P	IN	Dr. Lee Spencer	Southern Adventist University - Biology Department	Mio-Pliocene Plant DNA Barcoding	on the northwestern end of Banks Island along the Ballast Brook River
2009	14533	B	GW, IN	Mr. David Darnell	Amateur naturalist	Botanical collecting - Dempster Highway and Mackenzie Delta	Along the Dempster highway near Inuvik and outside Tuktoyatuk
2009	14534	P	IN	Dr. John England	University of Alberta - Department of Earth & Atmospheric Sciences	Environmental Change in the Western Canadian Arctic Islands	Banks Island
2009	14537	B	IN	Dr. Julia Krizan	IMG-Golder Corporation	Assessment of Fisheries Potential of the Tuktoyaktuk to Source 177 All-Weather Road Impact Area	At eight stream crossings from Tuktoyaktuk south to Source 177 (22 km length).
2009	14538	T	IN	Dr. Natasha Lyons	Department of Archaeology, Simon Fraser University	A Case of Access: Inuvialuit Engagement with the Smithsonian's MacFarlane Collection	in Inuvik and Tuktoyaktuk

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## Current Research in the Inuvialuit Settlement Region - 2009

YEAR	LICENCE#	CATEGORY	REGION	NAME	AFFIL	TITLE	LOCATION
2009	14539	L	IN, GW	Dr. Theodore Schurr	University of Pennsylvania	The Geographic Project: Anthropological Genetic Analyses of Indigenous Human Populations of North America	within each community where the researchers are granted permission to work in the Gwich'in Settlement Area and Inuvialuit Settlement Region.
2009	14542	BP	IN	Dr. James Hawkins	Imperial Oil Resources Ventures Limited	Ajurak 2009 Field Data Collection Program	in offshore and nearshore areas of the Beaufort Sea and at several coastal locations.
2009	14543	P	IN	Dr. Martin Fortier	ArcticNet	ArcticNet: an Integrated Regional Impact Study of the Coastal Western Canadian Arctic	in the Beaufort Sea/Mackenzie Shelf/Amundsen Gulf region, from the icebreaker CCGS Amundsen
2009	14544	E	IN	Ms. Shirley Maaskant	MGM Energy Corp.	Ogruknang Drilling Field Assessment	on Inuvialuit Concession Lands (Inuvik Block 1 & 2) in the Mackenzie Delta
2009	14545	P	IN, GW, SA, NS	Dr. Joseph Henton	Geodetic Survey Division - Natural Resources Canada	Canadian Gravity Standardization Network Modernization - Northern Surveys	Inuvik, Yellowknife, Ulukhaktok and Norman Wells
2009	14549	L	IN	Dr. Fikret Berkes	University of Manitoba	A Case Study of Husky Lakes Beluga co-management using network analysis	Inuvik and Tuktoyaktuk
2009	14552	L	IN, GW	Mr. Edwin Kolausok	Vancouver Island University	Aklavik Community Economic Sustainable Development Plan	Aklavik
2009	14556	C	IN, SA, DC, NS	Ms. Jane Ms.	Environment Canada	Arctic Wastewater Research	Sewage lagoons and wetlands in Paulatuk, Deline, Fort Providence and Behchoko."
2009	14558	T	IN	Dr.Lisa Hodgetts	The University of Western Ontario	Aulavik Archaeology and Traditional Knowledge Project (Traditional Knowledge Component)	Sachs Harbour"
2009	14559	B	IN	Dr. Frederick Wrona	University of Victoria	Amendment - Hydro-ecological Responses of Arctic Tundra Lakes to Climate Change and Landscape Perturbation	Noell Lake and two small lakes to the west of it; three lakes west of Parsons Lake, and six lakes on Richards Island"
2009	14561	P	IN	Dr. Rod Smith	Geological Survey of Canada	Assessment of seismic shot-hole-associated gas seeps, Mackenzie Delta, NWT	All of the identified gas seep sites that will be visited as part of this research are situated in the Mackenzie Delta. Most sites are situated on Richards Island, but the study area extends west to the Olivier Islands on Shallow Bay, and includes sites 20-60 km southwest of Tuktoyaktuk, as well as one site south of the eastern end of Eskimo Lakes

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## Current Research in the Inuvialuit Settlement Region - 2009

YEAR	LICENCE#	CATEGORY	REGION	NAME	AFFIL	TITLE	LOCATION
2009	14562	P	IN	Mr. Warner Miles	Geological Survey of Canada, NRCan	Minto Inlier, NWT Aeromagnetic Survey	In the western part of Victoria Island in the region described by N70.5o to N72.25 o and W114 o to W119 o. The area is centred on Minto Inlet and includes the community of Holman (Ulukhaktok).
2009	14563	P	IN	Dr. Robert Rainbird	Natural Resources Canada-Geological Survey of Canada	Geology and Resource Potential of Northwest Victoria Island	In the western part of Victoria Island in the region described by N71 o to N72 o and W112 o to W117 o. The study will focus on the Shaler Mountains, eastern part of Minto Inlet and Kuujjua River Valley."
2009	14564	L	DC, NS, SS, IN	Ms. Victoria Jacob	Indigini Group / Royal Roads University	Indigenous Protocol	Fort Providence, Yellowknife (Dettah and N'Dilo), Fort Smith, and Tuktoyaktuk.
2009	14569	P	IN	Mr. Scott Dallimore	Geological Survey of Canada	Mackenzie Delta shallow gas and permafrost studies	Outer Mackenzie Delta in Camp Farewell and Mallik areas; Richards Island; Tuktoyaktuk Peninsula"
2009	14570	P	IN	Dr. Chris Burn	Carleton University	Permafrost and climate change, western Arctic Canada	Garry Island, Illisarvik, Paulatuk (near the community), Inuvik (adjacent to Dempster Highway near the airport), Red Lake, Bar C, Seal Lake, and Dennis Lagoon.
2009	14571	B	IN, GW	Ms. Xanthe Walker	University of British Columbia	Ecology of white spruce at the species limit in NWT, Canada	Along the vegetation and climate gradient between the closed sub-arctic forest near Inuvik to the Low Arctic tundra near Tuktoyaktuk"

## EDITORIAL STATEMENT:

*IRC Regional Research Newsletter* is a quarterly publication of the Inuvialuit Regional Corporation. As a voice for Inuvialuit, the newsletter is dedicated listing research and updates on the IRA position, as well as publishing stories, images and view- points about research that reflect the lives of Inuit in the Western Arctic as it is today. We want to hear your views on the newsletter and your ideas about stories you'd like to see in print. To report any errors in this publication or to write an article, please make your voice heard by contacting the Inuit Research Advisor for the Inuvialuit Settlement Region, Shannon O'Hara, at [sohara@irc.inuvialuit.com](mailto:sohara@irc.inuvialuit.com) or at (867) 777-7022.

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