

ABOVE

ARCTIC BOREAL VULNERABILITY EXPERIMENT

Safety and Logistics Update

January 19, 2016

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Logistics Support Overview

- Permits
- Field Trucks
- Rentals
- Field Technicians
- Fairbanks & Yellowknife Hubs
 - Equipment
 - Storage
 - Shipping & Receiving
- Website Resources
- Safety Planning, Training, & Support

Research Permits

Project Investigators (PI) are responsible for obtaining their project research permits. PIs are encouraged to allow maximum lead time for this process, as it can take many months to complete. Under some land management regimes, in fact, it can take years.

Helpful maps:

- ▶ [Alaska Land Management](#)
- ▶ [BLM Boundaries](#)
- ▶ [Canada Lands Administrative Boundaries](#)
- ▶ [Canada Aboriginal Lands](#)

Contacts:

Alaska DNR

AJ Waite
Northern Region of Alaska
907-451-2777

Alaska BLM

Robin Walthour
Realty Specialist
907-474-2304
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Northwest Territories

Nicole Hammer
Licencing Coordinator
Aurora Research Institute
867-777-3298 x230
[Email](#)

Yukon

Jeff Hunston
Manager, Heritage Resources Unit
1-867-667-5363
[Email](#)
http://www.tc.gov.yk.ca/scientists_explorers.html

Nunavut

Nunavut Planning Commission (NPC)
<http://npc.strata360.com/portal/pportal.php>



[Contact us](#) if you have any questions or need help coordinating research permits for your field work.

Field Trucks

- 2 F150's in Fairbanks
- One 4x4 for 3 months in Yellowknife



Vehicle Rentals



Field Technicians



Where We Are

- Logistic Hubs:
 - Yellowknife
 - Fairbanks



Support not limited to logistics hubs

Northwest Territories NASA Resources

- Equipment:
 - First Aid kit
 - Vehicle safety bag
 - Sat phone



GNWT Resources

- Lab, storage, and office space
- Department of Transportation
 - Climate controlled storage at Hay River
 - Cold storage at Dory Point
- Fred Henne Territorial Park
 - Hosts researchers at camp sites
 - Venue for science programs

Yellowknife Helibase

- Office
- Storage



Taiga Environmental Laboratory



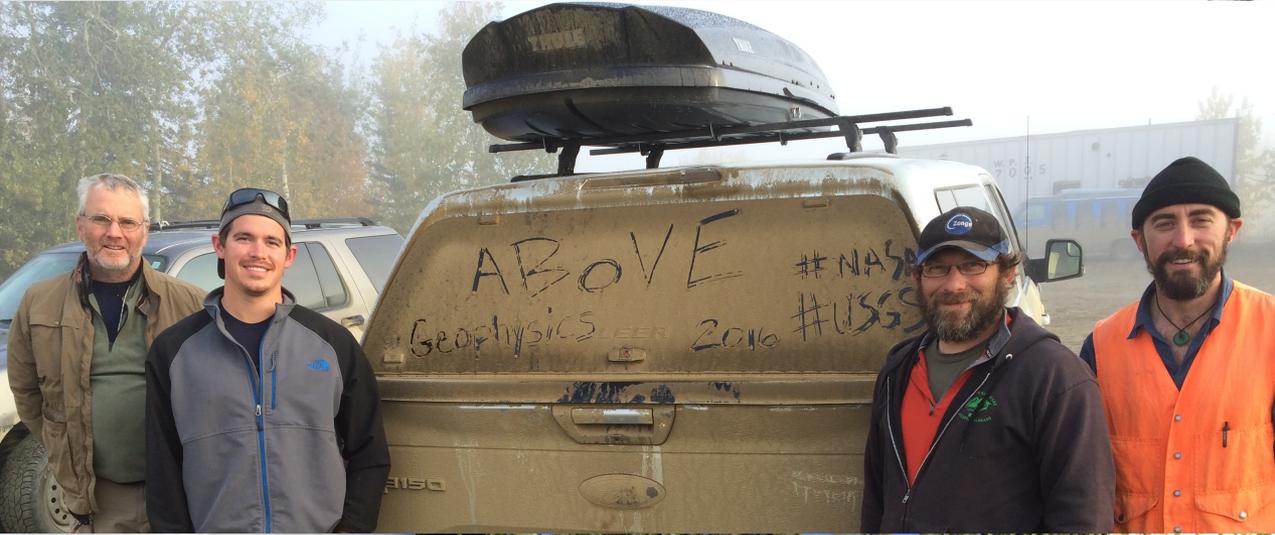
Thank You GNWT

Shout out to
Andrew Applejohn
& Bruce Hanna

ABOVE

ARCTIC BOREAL VULNERABILITY EXPERIMENT

LOGISTICS OFFICE



Great 2016 Field Season

Fairbanks Logistics Office

Shipping/Receiving, Staging



- Assistance with Shipping Logistics
 - Ship gear ahead of time
 - Prepare shipments for home base
- Staging Area & Work Space

Fairbanks Logistics Office

Storage

- Secure Storage Area
 - Limited but available



Fairbanks Logistics Office

Equipment and Gear

- Communication Equipment
 - Satellite phones, inReach, SPOT, PLB, etc.
- Safety Equipment
 - First aid kits, extraction kits, vehicle safety bags, etc.
- Field Gear
 - Chainsaws, shovels, hand saws, etc.
- Camping Gear
 - Summer & Winter



Full Equipment List on ABoVE Website

Additional training may be required to use provided equipment.

Pictured items not to scale

Fairbanks Logistics Office

Scientific Equipment

- UNAVCO – High precision GPS units
 - Training
- Soil Moisture Probes
- NEW Permafrost Probe
- Garmin Montana GPS

UNAVCO Trimble 5700/R7 Campaign Kit



Hazard Assessment Form

Why is this Important?

- Communication
 - PI & Logistics/Safety Team
 - How we know what trainings to offer
- Resource
 - PI thinks about hazards in the field
 - **Safety Training Plans**
- Database
 - Keeps record of all trainings completed & certifications
- **LEGALLY REQUIRED**
 - By OSHA, NASA & your institution



Hazard Assessment Form

[Sign In](#) | [My Account](#) | [Sign Out](#)

Sign In

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Website Accounts: one username/password needed for the following websites:

- ▶ North American Carbon Program (NACP)
- ▶ NASA Carbon Cycle and Ecosystems (CC&E)
- ▶ NASA Terrestrial Ecology (TE)
- ▶ NASA Carbon Monitoring System (CMS)
- ▶ NASA Arctic-Boreal Vulnerability Experiment (ABoVE)

username:
(email address)
password:
 (Remember to sign out)

[Forgot Username or Password?](#)

[Create an Account](#)

What can you do with your website account?

- ▶ Receive ABoVE relevant announcements and other informative emails
- ▶ View/Update your account information
- ▶ Change your password

- PI responsible to identify hazards of team
- How to access it?
 - Log in to ABoVE 'My Account'

Hazards Assessment Form

Will anyone on your project be camping in freezing temperatures away from established camps?



Yes

No

Will anyone on your project be using ATVs?



Yes

No

Will anyone on your project be using snow machines?



Yes

No

Safety Training Plan

Safety Training Plan: [Print Safety Training Plan](#)

The CCE Office recognizes that you may have previously taken training that is now being assigned to you below. You may be exempted from taking the same training again by providing a dated training certificate, or proof of competency to safety@cce.nasa.gov.

Activity	Required Training	Status
Working in the field	<u>Orientation Module</u> : A general orientation on a wide variety of common field safety issues.	Completed 2015-09-30
	<u>Staying Safe in Bear Country</u> : An overview of bear behavior and the protection of people and property.	Completed 2015-09-30
	<u>Basic First Aid/ CPR</u> : To give general information on how to treat a sick or injured person until full medical treatment is available.	Not completed
Operating motor boats	<u>Boat Safety Training</u> : This course will give you hands on experience with safely operating a motor boat. It will also review needed safety equipment and general navigation.	Completed 2014-12-08 
Carrying Firearms	<u>Firearms Safety Training</u> : Gun protocol in camp/ lodging/ vehicles, 12 gauge maintenance and safety, appropriate 12 gauge rounds for bear situations.	Not completed

Courses Sponsored/ Coordinated

- **Boat Safety** – Michigan and Alaska
- **Field Safety in Northern Environments** – VA and AK
- **Snowmachine** – Alaska
- **WFA** – Alaska and Michigan
- **Chainsaw** – Alaska
- **ATV** – Alaska



Courses Sponsored/ Coordinated



Tentative Future Courses

- Wilderness First Aid
 - Boulder (March 9-10)
 - Fairbanks
- Snowmachine
 - Fairbanks (Jan 31, Feb 7)
- Northern Environments Field Safety
 - Fairbanks
- Bear safety/firearms training
- Aviation Land and Water (dunker training)
 - Anchorage
- Boat Operator Training

THANK YOU!



In Conclusion

Great 2016 & Looking Forward
to 2017

Plan Ahead, Talk to us, &
Keep talking to us



Help Us Help You

Website Interview

- What would the PIs like to see on the website
- What do they use the most?
- Do they use the website?
- How often do they sign into the website?
- Do they follow the facebook or twitter?