

**APPLICATION PERMIT FOR RESEARCH IN NORTH CAMPUS AREA  
UNIVERSITY OF ALASKA FAIRBANKS  
(Updated: March 12, 2014)**

The North Campus Area (NCA) provides an excellent outdoor research laboratory for a variety of disciplines. Faculty, graduate and undergraduate students, and visiting scientists have used the NCA for research in ecology, plant science, soils, wildlife and wetlands biology, water chemistry, geophysical sciences, permafrost, agriculture, ornithology, art, photography, native studies, and more. Its value lies primarily in its accessibility on campus and diversity of ecological habitats.

UAF's North Campus Plan ([www.uaf.edu/mastplan/northcampus](http://www.uaf.edu/mastplan/northcampus)) seeks to ensure that the NCA remains an outstanding campus laboratory for current and future research programs. The North Campus Subcommittee (NCS), created by the UAF Master Planning Committee, reviews and approves all NCA activities consistent with the North Campus Plan. Membership and the activities of the NCS are included at the web site listed above.

All NCA research requires a permit from the NCS. Permits are valid for up to two years, with renewals possible upon further NCS review. Attached is a permit application that should be accompanied with a brief summary (3-page maximum) of your proposed work. The NCS will review your application and respond in writing, including a request for additional information (if required). The summary of proposed work should include the following:

1. **Goals:** Describe your research goals and objectives. Why is the NCA the most appropriate location for this research?
2. **Timeline:** What is the timeline for your research?
3. **Access:** Describe how you will access the site: by what means, how often, and in what seasons.
4. **Location:** Provide GPS coordinates of your proposed site(s) together with a North Campus Area map (See below) that indicates the proposed site. Specific research locations will not be divulged to the general public but will be used by the North Campus Manager strictly for management decisions. Photographs or digital images of the site are also helpful.
5. **Size and dimensions of study area:** Give the size and dimensions of your proposed study area.
6. **Site modifications:** One of the objectives of the North Campus Plan is to maintain the natural integrity of the NCA and ensure a quality research environment for the future. How will your research meet these objectives? Describe any required modifications to the location such as new trails, soil pits, boardwalks, tree removal, construction projects, or other infrastructure.
7. **Utilities:** Indicate if your research requires power lines or connections.
8. **Potential hazards:** Describe any environmental hazards associated with your proposed NCA research, including use of harmful chemicals, radiation, or infrastructure that could harm the NCA and/or its users.
9. **Potential conflicts:** The NCS is committed to maintaining quality standards of multiple use in the NCA. Describe any potential conflicts with educational or recreational users.
10. **Restoration:** The UAF North Campus Plan requires that all evidence of the research project be removed from the site within 90 days of project completion and restoration of the area. Describe how you will accomplish this.

Contact the North Campus Manager (contact information below) if you need any help with the application process. The NCS strives to expedite the permitting and approval process to make it as efficient as possible.

### Regulations for Research in NCA

1. Motorized vehicles will only be allowed on designated services roads (exception, emergency vehicles) with prior authorization of the North Campus Manager.
2. Walking and use of wheeled vehicles will not be permitted on groomed ski trails in winter. The only exception will be emergency vehicle access and if a situation arises with the research project that requires access for maintenance, equipment installation, etc. and if a snowmachine will not suffice. Any researcher requiring access that includes possible damage to groomed winter trails or boggy summer trails MUST obtain permission from the North Campus Manager prior to using the trails. When required, access that has negative impact on groomed ski trails or wet areas should be coordinated with the North Campus Manager to ensure that any necessary corrective work is carried out.
3. Researchers and/or their departments will be responsible for funding repair to trails and roads caused by non-approved vehicle access.
4. Projects should be located at a sufficient distance off trails to avoid vandalism and reduce visual impact to other users.
5. Fencing for protection of research project sites is a last resort and requires NCS approval.
6. Trees and other living plant materials near the research site may not be used as signposts, supports for wires and equipment, or other uses that might cause permanent damage or provide entry points for disease or insect pests.
7. All structures, equipment, flagging, cables, and other research materials must be removed within 90 days of project completion. The researchers and/or department will be billed for anything not removed.
8. If modifications to the site have been made, it must be restored as mutually agreed upon in the permit application by the researcher, their department and the NCS. The researchers and/or department will be billed for any modifications not accomplished.

### Permitting Process

Once the North Campus Manager receives your completed application it will be determined if the permit needs to be distributed to the full North Campus Subcommittee for review. If the permit goes to the committee, they will respond to the North Campus Manager within 5 working days. If there is no further discussion needed you will be notified by the North Campus Manager. If further discussion is needed the North Campus Manager will schedule a meeting to decide how the research will fit in with the values of the North Campus. The North Campus Manager will forward to the NCS Chair for final approval.

Please note that applications from students must be approved and signed by a faculty advisor or advisors. Faculty advisors and their departments or institutes will be responsible for removal of research materials and site cleanup after project completion.

Applications from researchers not affiliated with UAF require a sponsor from UAF faculty or staff.

### If approved

Research sites need to be accessed in a means appropriate for the management regime of the trails/roads involved. Motorized vehicles will only be allowed on designated service roads (see map below). No walking or wheeled vehicles on designated ski trails in winter. No heavy, wheeled vehicles in wet areas. If needed, a snow machine is available for accessing research plots in winter (researchers can coordinate with the North Campus Manager). As a last resort, access that damages ski trail grooming, or creates large ruts in a wet area needs to be coordinated with North Campus Manager so that corrective dirt work or grooming can occur.

Research projects should be located away from existing trails and should be concealed to reduce vandalism and visual impact to other users. Fencing is a last resort for protecting research projects, and will require the approval of the NCS.

All equipment and artifacts from research projects must be removed within 90 days of the completion of the research project. This includes all structures, equipment, data loggers, and flagging. Responsibility and funding for removal must be identified as part of the approval process. All research projects need to fall under the responsibility of a UAF school or department that will take financial responsibility for post-project clean-up.

Continuation of research beyond the permitting period will require a permit renewal. Requests for renewal should be submitted to the NCS Chair.

#### If denied

Denial of permit applications by the NCS can be appealed to the Master Planning Committee. A written appeal should be forwarded to the MPC for immediate consideration by the Executive Committee. The MPC will be informed of the appeal and, if the complexity of the proposal merits, will be considered by the entire body. Final appeal can made directly to the UAF Chancellor.

#### **Contact for Further Information**

Kara Axx  
North Campus Manager  
Facilities Services  
803 Alumni Dr.  
UAF Campus  
Fairbanks, 99775  
Phone: 907-474-2648  
Fax: 907-474-1868  
Email: [kaaxx@alaska.edu](mailto:kaaxx@alaska.edu)

Or

Mark Oldmixon,  
Chair, North Campus Subcommittee  
Department of Recreation Adventure and Wellness  
Phone: 907-474-6709  
FAX: 907-474-5508  
Email: [mtoldmixon@alaska.edu](mailto:mtoldmixon@alaska.edu)

## Application for Research in North Campus Area

University of Alaska, Fairbanks

PO Box 757520

Fairbanks, AK 99775

Project Title Monitoring plots at 2021 Yankovich Road fireProject start date 7/29/21 Project end date 7/29/23, will seek permit renewalTotal project duration indefinitePrincipal Investigator Alison YorkWork Address Alaska Fire Science Consortium, International Arctic Research CenterPhone number 907-322-7176 (cell) Email ayork@alaska.eduCo-Investigators, Faculty Advisor (s), or UAF Sponsor Eric MillerWork addresses Bureau of Land Management Alaska Fire ServicePhone numbers 907-978-2890 (cell) Email eamiller@blm.govDepartment head/director Hajo Eicken Phone number: (907) 474-7280UAF address: International Arctic Research Center Email heicken@alaska.eduProject's funding source(s): Alaska Fire Science Consortium funding from Joint Fire Science Program

Budget number (to be used only if agreed-upon repairs/restoration have not been accomplished and only with notification of researcher, department head and/or director listed above) 342271-66950

Signatures (include date)

Principal Investigator: Alison York 7/26/21Department Head or Institute Director: Hajo Eicken July 29, 2021

Faculty Advisor(s) if application is from a student \_\_\_\_\_

UAF sponsor if applicant is not affiliated with UAF: \_\_\_\_\_

Approved \_\_\_\_\_ Declined \_\_\_\_\_ by North Campus Subcommittee on July 29, 2021

Chair, North Campus Subcommittee: \_\_\_\_\_

DocuSigned by:

M. Alderson

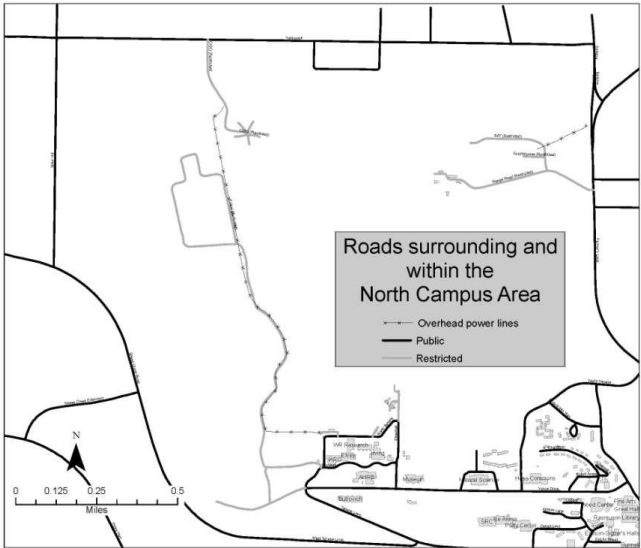
57045E0FB3724A5...

**North Campus Area including the Boundaries of the Arboretum and the Biological Reserve**

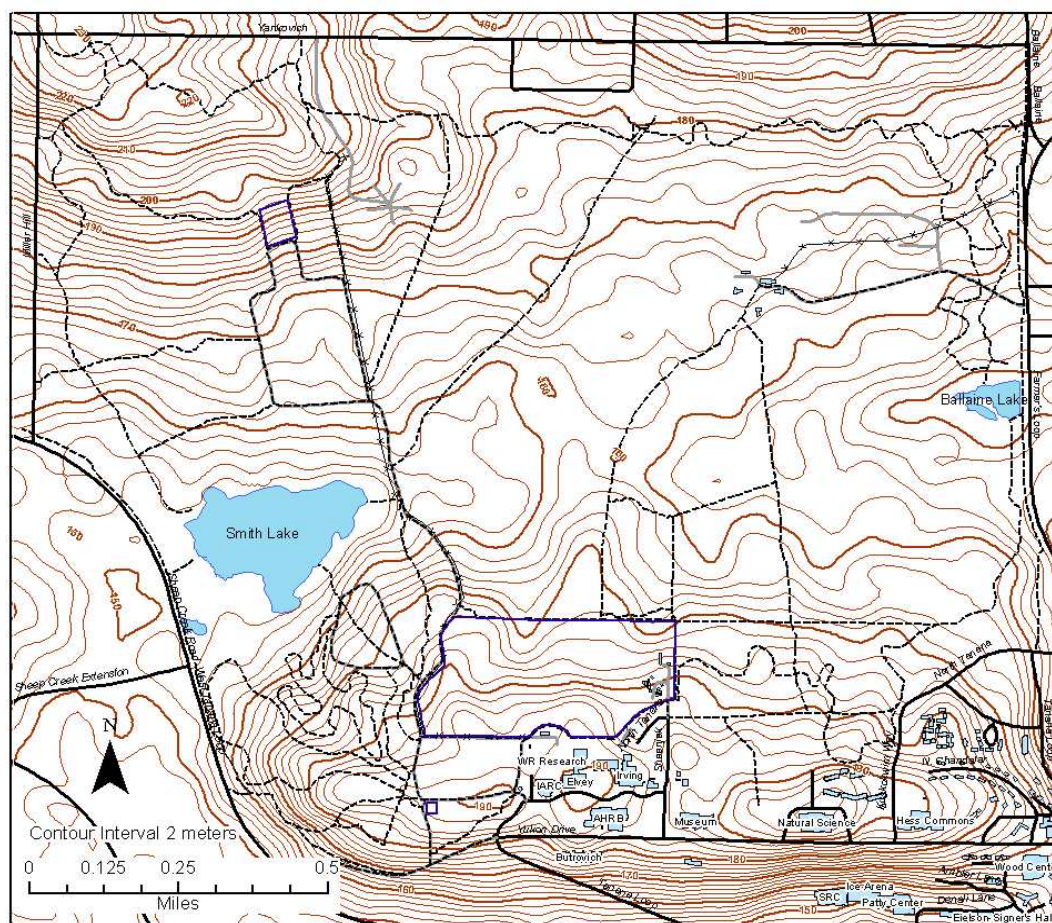


— = Approximate boundary of North Campus Area      — = Approximate boundary of Arboretum      — = Approximate boundary of Biological Reserve

**Roads Within and Surrounding North Campus Area**



## Topographic Map of North Campus Area



- Fences
- × Power lines
- Trails

### roads

- Public
- Restricted



**A Member of the Joint Fire Science Program Exchange Network**

**<http://akfireconsortium.uaf.edu>**

**International Arctic Research Center, University of Alaska Fairbanks**

**PO Box 757340, Fairbanks, AK 99775**

## **Summary of proposed monitoring plots at 2021 Yankovich Road fire on North Campus Area**

### **Goals**

The recent Yankovich Road fire on NCA land (3.57 acres, started 7/16/21, declared out 7/20/21) provides a very accessible site for understanding fire effects in boreal forest. The goals of the project are to provide a place convenient to UAF and Fairbanks to monitor and educate students, professionals and the public about post-fire changes in vegetation and soils in a boreal forest. We propose installing vegetation monitoring transects inside and outside the burn perimeter to document fire effects and vegetation recovery over time. The proposed project is a joint effort of the Alaska Fire Science Consortium, the Alaska EPSCoR Boreal Fires team, and the Bureau of Land Management Alaska Fire Service. The site of the fire is easily accessible on foot and would allow regular, annual data collection by researchers as well as use as a demonstration site for school groups and other educational uses.

### **Timeline**

We anticipate installing up to four permanently marked 30 m vegetation transects between 7/29/21 and 8/6/21 to be resampled yearly into the future. Vegetation recovery is a long-term process, so the timeline for this monitoring research is indefinite. We request a 2 year permit and will seek renewal to continue the monitoring effort over time.

### **Access**

We will access the site on foot from Weston Road using trails as soon as we receive approval to install transects and collect initial fire effects data. We will access the site at least annually, in summer, to collect vegetation recovery data. We will also access the site during the snow-free season, as opportunity arises, for educational/demonstration purposes such as school field trips and training UAF students in data collection techniques.

### **Location**

We do not yet have lat-long for any transects. Locations will be randomized inside the burn to avoid suppression actions and not within 50 m of the edge. We will install one control transect nearby but at least 50 m outside the burn perimeter. The burn is 3.57 acres at approximately 64.86 X -147.85 approximately 500 feet south of Weston Drive. See attached map with fire perimeter from Alaska Interagency Coordination Center Wildland Fire Dashboard.

### **Size and dimensions of study area**

The study area is the Yankovich Burn. Fire polygon is 3.57 acres.

### **Site modifications**

Site modifications include placement of two metal rebar stakes to mark the ends of each 30 m transect. Five soil pits approx 10 cm X 10 cm will be dug to describe the soils, then back-filled. No other modifications are anticipated. The number of transects that we can install depends on time and staffing, but no more than four.

### **Utilities**

No power or utilities are required.

### **Potential hazards**

The field team is familiar with hazards associated with working in a recent fire scar, will be led by an experienced fire ecologist, and no significant hazards are anticipated.

**Potential conflicts**

We do not anticipate any conflicts with other users.

**Restoration**

We would prefer to leave two rebar stakes to permanently mark each transect's end points. If this is not permissible then we can relocate the transect end points using lat-longs and photographs.

## Alaska Interagency Coordination Center Wildland Fire Dashboard



Yankovich Road fire perimeter, 2021.