

**UNIVERSITY OF ALASKA FAIRBANKS  
MASTER PLANNING COMMITTEE (MPC)  
MEMORANDUM**

DATE: January 11, 2008

TO: Chancellor Steve Jones *Approved 1/15/08 SBT*

FROM: Richard D. Boone *Richard D. Boone*  
Chair, Master Planning Committee  
r.boone@uaf.edu; x7682

RE: Correction to MPC Recommendation 08-02 (On-campus location of LIDAR Equipment for Javier Fochesatto, Geophysical Institute)

There was an error in the January 7, 2008 memo that I sent you regarding the MPC recommendation (supported unanimously 10-0) on the location of the LIDAR equipment for Javier Fochesatto, Geophysical Institute. The corrected motion is below (with the change underlined and in bold):

*The MPC recommends that the following locations be considered for the temporary (4 mo) location of the LIDAR equipment with the following order of priority: 1. Area immediately east of the Butrovitch Building, 2. Area adjacent to Haida Lot, and 3. Area to the west of the IAB Greenhouse. The location choice should be made by Facilities Services in consultation with the Principal Investigator (Javier Fochesatto).*

I apologize for the mistake and any confusion it may have caused.

Cc: Ro Bailey, Vice Chancellor for Administrative Services  
Javier Fochesatto, Geophysical Institute  
Mary Farrell, Geophysical Institute  
Dave Miller, Division of Design and Construction

**UNIVERSITY OF ALASKA FAIRBANKS  
MASTER PLANNING COMMITTEE (MPC)  
MEMORANDUM**

DATE: January 7, 2008

TO: Chancellor Steve Jones

FROM: Richard D. Boone *Richard D. Boone*  
Chair, Master Planning Committee  
r.boone@uaf.edu; x7682

RE: MPC Recommendations 08-01 (Naming of Troth Yeddha) and 08-02  
(On-campus location of LIDAR Equipment for Javier Fochesatto,  
Geophysical Institute)

*1/17/08  
Approved w/ noted  
edits.  
SDT*

The Master Planning Committee (MPC) met on Thursday December 20, 2007 and completed review of two proposals: 1. Proposed naming of Troth Yeddha (area west of Reichardt Building and east of UA Museum), and 2. Temporary location of LIDAR equipment to the west of the IAB Greenhouse. MPC members attending were Deb Horner (Vice Chair of MPC), Doug Braddock (FNSB representative), Bill Krause (Risk Management), Hans Nielsen, Gary Newman, Chris Bennett, Joe Hayes (Alumni Association), Gary Newman (Staff Council), Luke Hopkins (Ex Officio, and North Campus Manager), and myself. Dave Miller was serving as Facilities Services representative in lieu of Mark Wohlford. Guests attending were Scott McCrae, Rich Seifert, Dianne Milke, Aldona Jonaitis, Mary Farrell (GI), Amy Geiger (UA Museum), and Javier Fochesatto (GI).

The MPC approved the formal naming of the Troth Yeddha area west of the Reichardt Building and east of the UA Museum. The following motion (proposed by Dave Miller, seconded by Gary Newman) was unanimously (10-0) approved:

*The MPC approves the naming of Troth Yeddha for the area originally identified in the 2002 Campus Master Plan with minor revisions as may be required to accommodate possible expansion of the Reichardt Building on the west end.*

The MPC believes the formal naming and designation of the parcel will properly recognize the historical significance of the land to Interior Alaska Native groups, and creates the permanent open space as called for in the 2002 Campus Master Plan.

The MPC also considered a proposal (attached) from the Geophysical Institute to locate ice fog and boundary layer research equipment (LIDAR) to the west of the IAB Greenhouse (to the south of Yukon Drive and west of the Butrovitch Building) for approximately 4 months, starting as soon as possible. The equipment is currently located at the Poker Flat Research Range. Javier Fochesatto, the GI scientist who is carrying out

*But*

the research, explained the reason for his request. He has a NSF funded project to measure ice fog and boundary layer particles over Fairbanks during the 2007-08 winter; the research has public health and climate change implications. Aldona Jonaitis and Amy Geiger (both UA Museum) spoke in opposition to the proposal; they believe the equipment (if located by the IAB Greenhouse) will negatively affect the viewshed south of the Museum, possibly compromising visitorship to the Museum. The proposal generated considerable discussion. Several other locations were identified as possibilities: the area immediately to the east of the Butrovitch Building, and the Haida Lot west of the Chapman Building and below the MBS complex. The MPC believes that the IAB Greenhouse location is acceptable if no alternative locations are found that are satisfactory to Fochesatto and Facilities Services. The following motion (proposed by Miller, seconded by Newman) was passed unanimously (10-0):

*The MPC recommends that the following locations be considered for the temporary (4 mo) location of the LIDAR equipment with the following order of priority: 1. Area immediately ~~west~~<sup>east</sup> of the Butrovitch Building, 2. Area adjacent to Haida Lot, and 3. Area to the west of the IAB Greenhouse. The location choice should be made by Facilities Services in consultation with the Principal Investigator (Javier Fochesatto).*

Your consideration of these recommendations is greatly appreciated.

Cc: Ro Bailey, Vice Chancellor for Administrative Services  
Javier Fochesatto, Geophysical Institute  
Mary Farrell, Geophysical Institute  
Dave Miller, Division of Design and Construction



**GEOPHYSICAL INSTITUTE** University of Alaska Fairbanks  
903 Koyukuk Drive • P.O. Box 757320 Fairbanks, Alaska 99775-7320

To: Rich Boone, Chair  
Master Planning Committee

From: Mary Farrell  
Assistant Operations Manager

Date: December 6, 2007

Subject: Ice Fog and Boundary Layer Research Equipment Relocation

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This is a request from the Geophysical Institute (GI) to review relocation of research equipment. The equipment, currently located at the Poker Flat Research Range, includes a scanning (eye-safe) LIDAR, a receiving telescope and a computer acquisition system. A LIDAR (Light Detection and Ranging) is an optical remote sensing device that measures properties of scattered light to find range and/or other information of a distant target. The LIDAR equipment is completely self-contained in a box measuring 20'x9'x9' (see attached photos). It requires temporary electrical service and telephone/internet connections. There are no fumes, odors or noises emitted from the equipment. The unit is kept at operating temperature via electric baseboard heat.

The researcher is Javier Fochesatto of the GI Atmospheric Science Group. He has a National Science Foundation research project designed to measure ice fog and atmospheric boundary layer particles over Fairbanks for approximately four months during the 2007-08 winter. Dr. Fochesatto's experiments require measurement of ice fog plumes and their interaction with the stable boundary layer over Fairbanks. He has determined that the best location for his equipment is directly to the west of the Institute of Arctic Biology's (IAB) Greenhouse on West Ridge (see attached map). At the end of the project, the equipment would be removed and the site returned to its original condition.

Preliminary discussions have been held between Roger Smith, Brian Barnes, Mike Abels, Javier Fochesatto, Heather McIntyre and myself regarding this relocation. IAB does not have any objections to GI utilizing this space on a temporary basis. We are aware that this location is in a high visibility location on campus, however the elevation above Fairbanks and the ability to measure numerous ice fog plumes make it the ideal location for this research project. We are hoping that the temporary timeframe of this experiment and the relatively low visual impact of the unit offsets this concern.

I look forward to hearing from the Master Planning Committee regarding this request. If there are further questions, please contact Javier Fochesatto (474-7602, [foch@gi.alaska.edu](mailto:foch@gi.alaska.edu)) or Mary Farrell (474-7292, [mfarrell@gi.alaska.edu](mailto:mfarrell@gi.alaska.edu)).

Att: Photos of mobile LIDAR lab (2), Map of proposed location

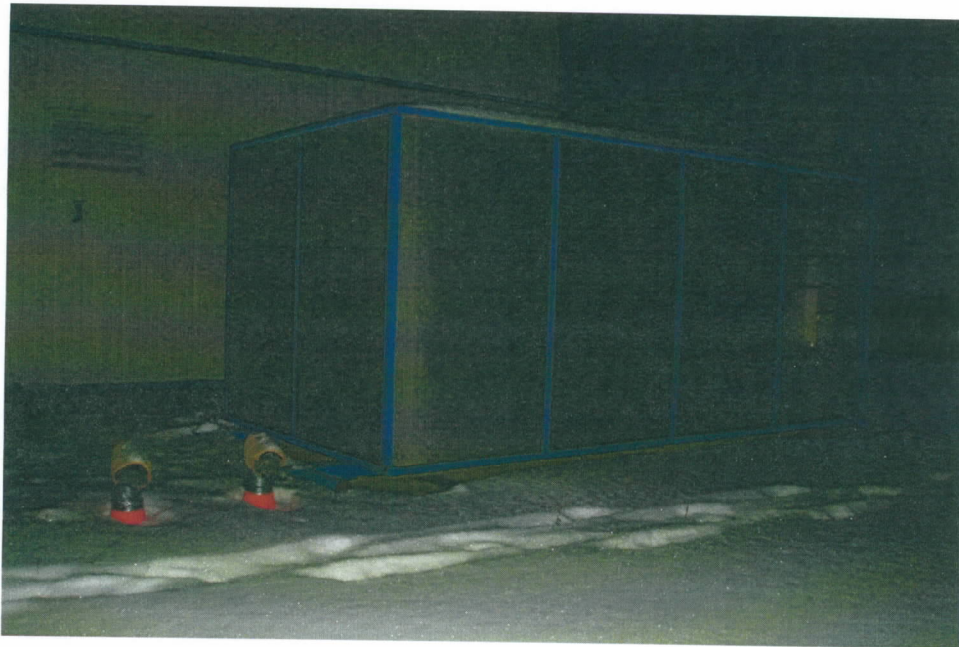


PHOTO 1: The LIDAR laboratory unit. Housing appears dark, but it is actually white with blue trim (see photo 2).

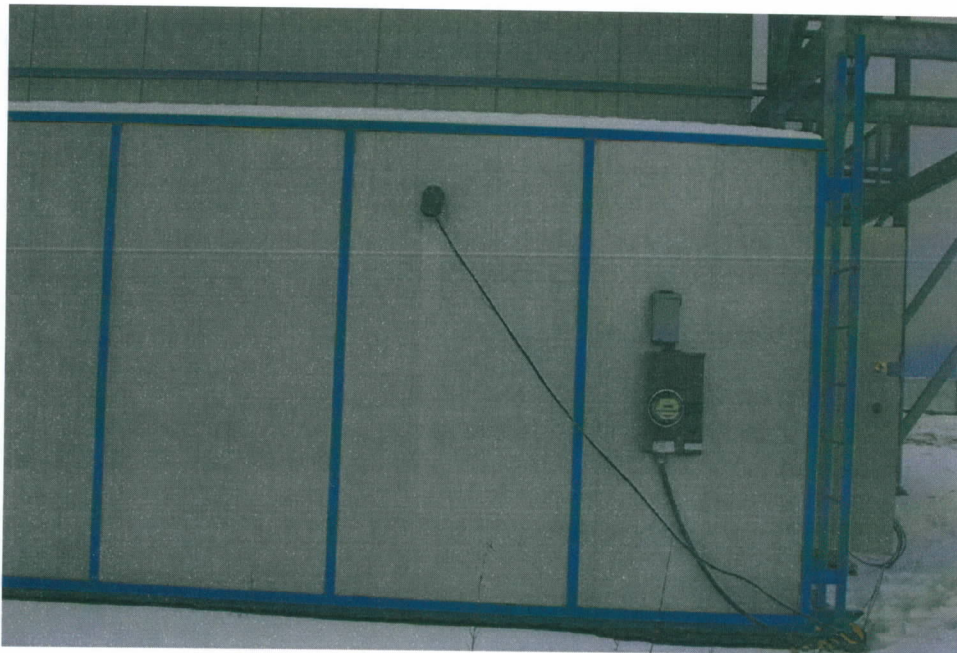
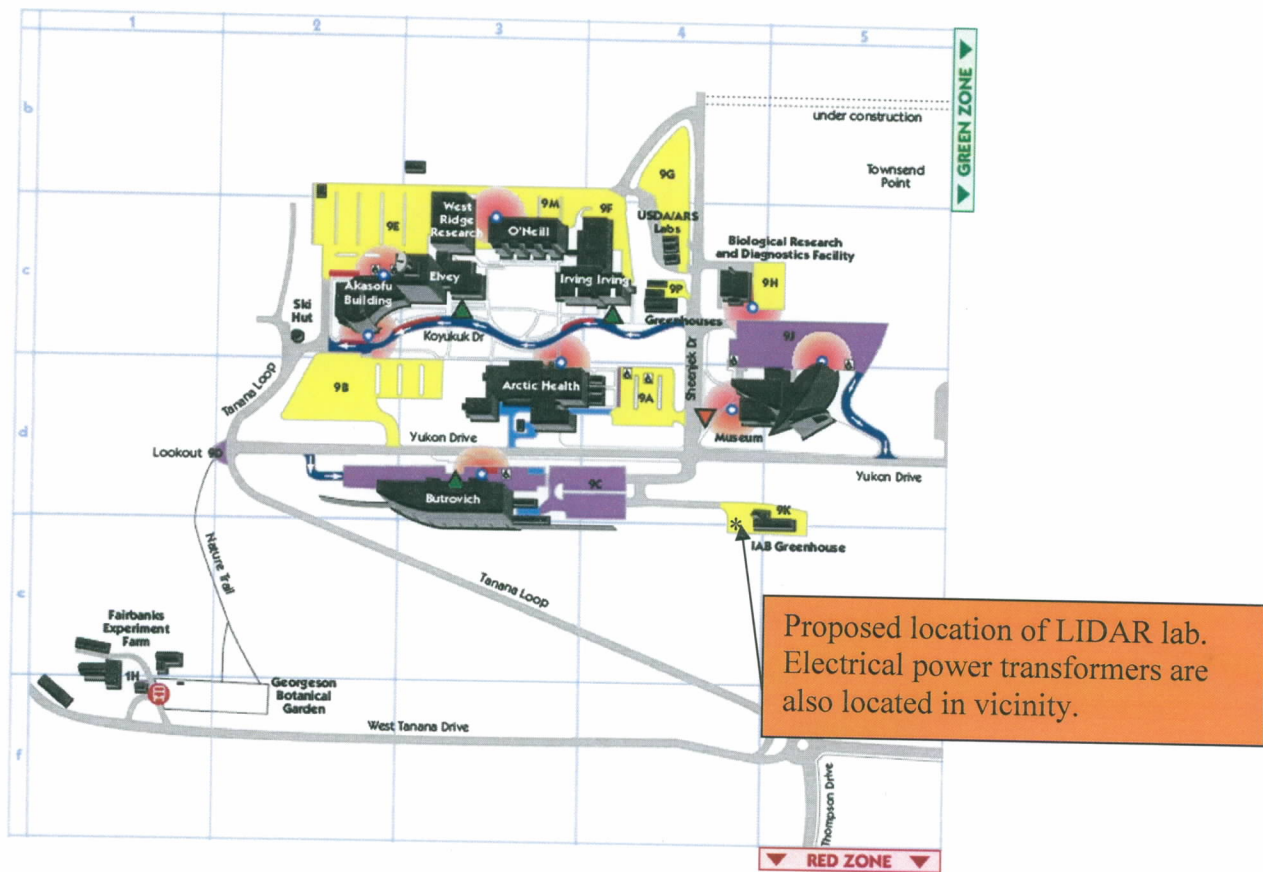


PHOTO 2: The LIDAR laboratory in daylight, showing true colors.  
Dimensions are 20' x 9' x 9'



MAP 1: Proposed location for LIDAR equipment.

Cc: M. Abels  
B. Barnes  
J. Fochesatto  
H. McIntyre  
R. Smith