

Barrow Science

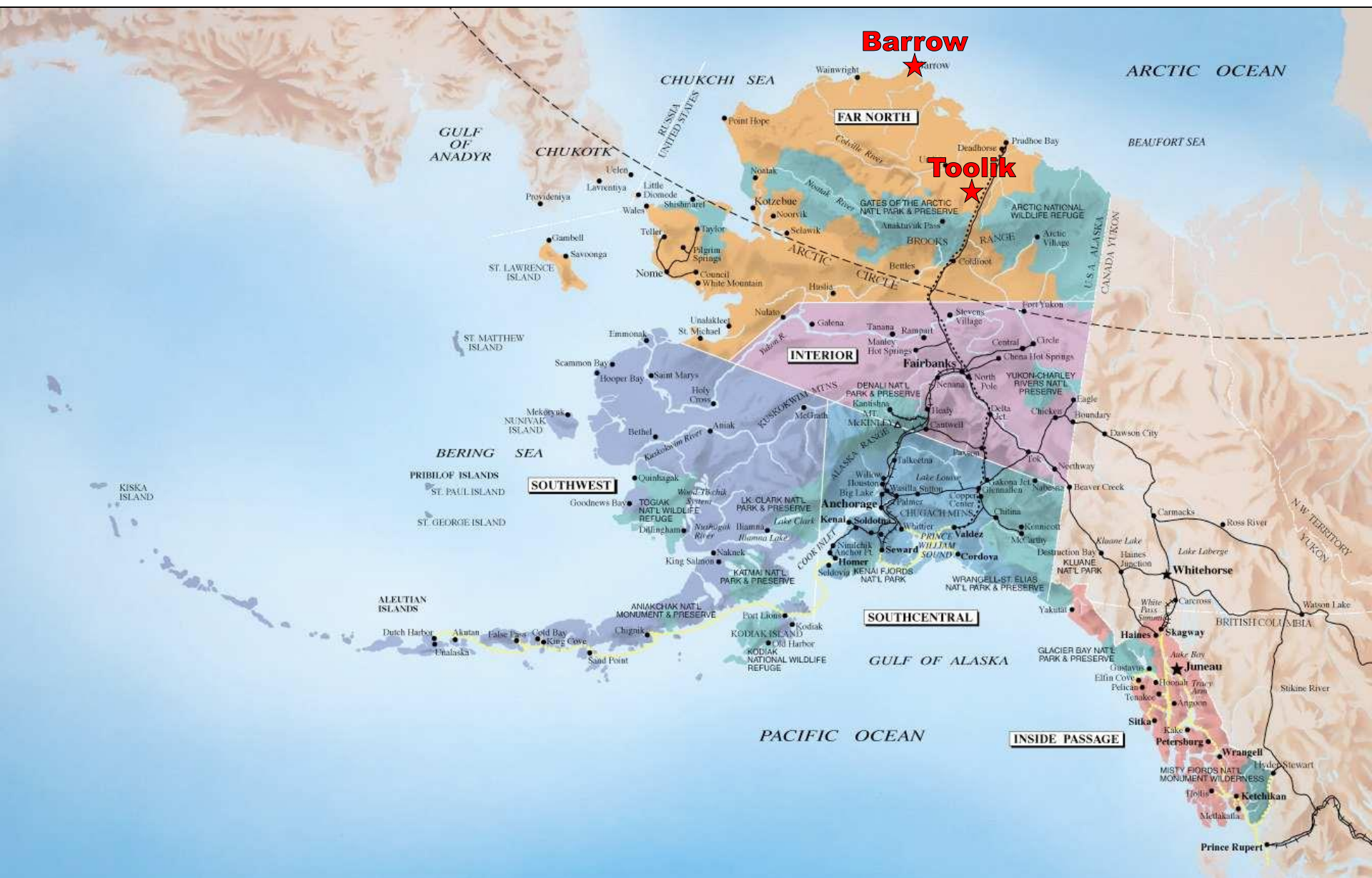
Cody R. Johnson
Polar Field Services



An illustration of an Arctic landscape. The top portion of the slide features a dark sky with a bright yellow and green aurora borealis on the left and a small white circle representing the sun or moon on the right. Below the sky, there are white, jagged shapes representing icebergs or snow-covered land. The bottom two-thirds of the slide is a solid light blue background.

Overall CPS Alaska 2011

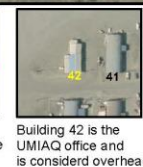
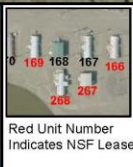
- Of 157 CPS-supported projects, 83 in Alaska (53%)
- Of 83 projects in Alaska, 33 in Barrow area (40%)
- Of 83 projects in Alaska, 33 in Toolik area (40%)







NARL

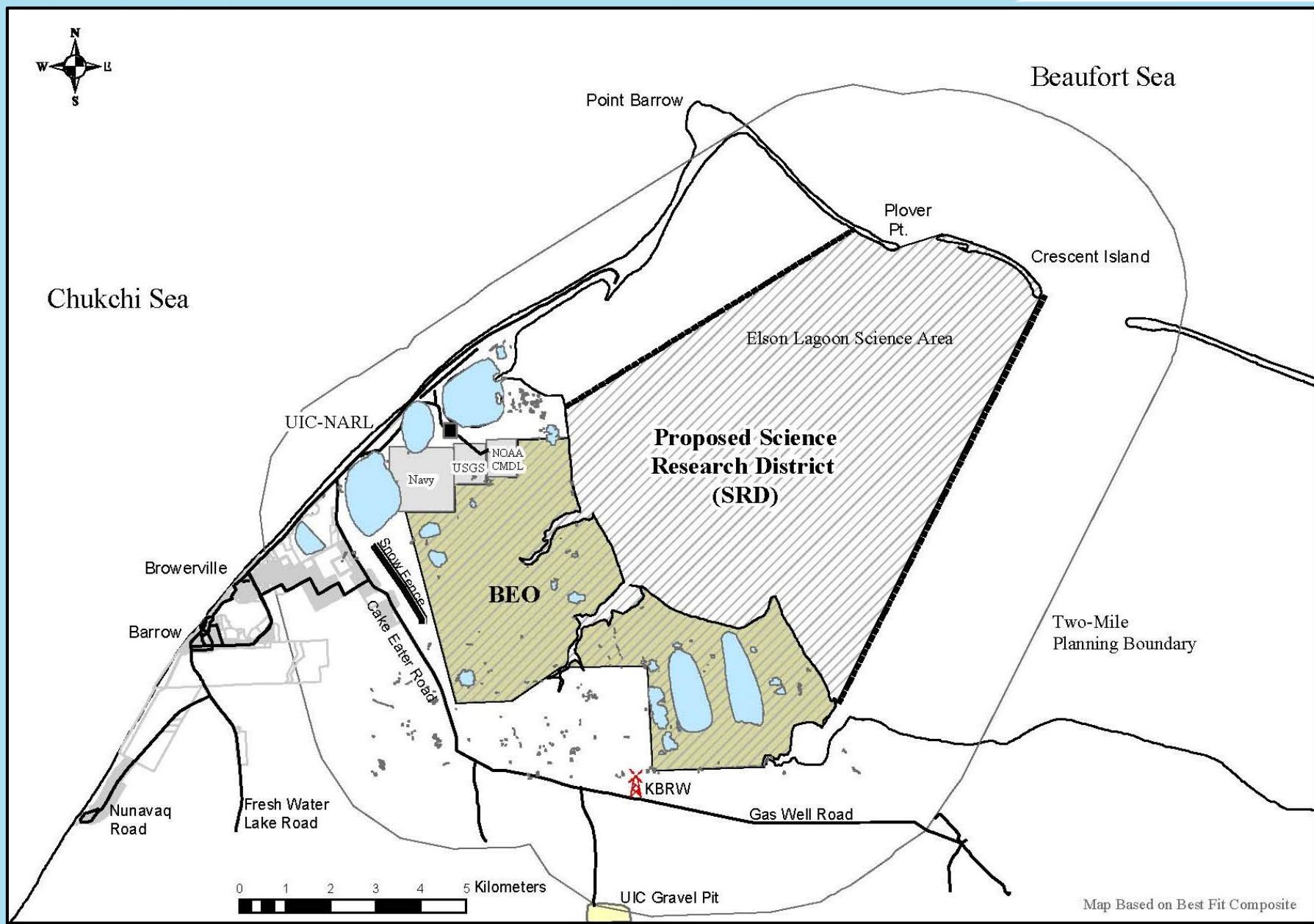


NSF Leases Within UIC/NARL

DISCLAIMER

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Figure:	1a
Scale:	1 inch = 300 feet 0 150 300 Feet
Date:	3/11/2011



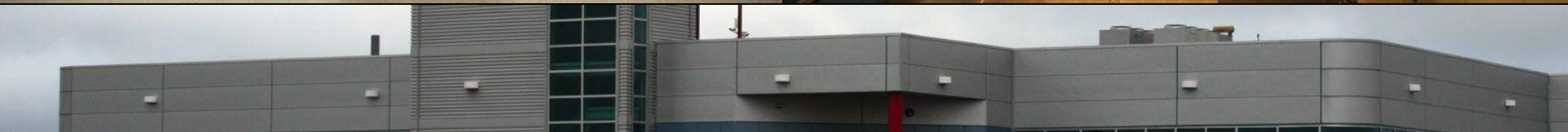
Barrow as a Research Hub

- NARL has capacity for 32 NSF researchers (64 NSF + non-NSF projects)
- Researchers in Barrow year-round
- Three 'peaks' in researchers using Barrow as base of operations
 - January
 - Mid-March – mid April
 - Late May – end of August
- Large range of research disciplines
 - Tundra (terrestrial & aquatic)
 - near-shore
 - off-shore
 - sea ice
 - social science



An illustration of an Arctic landscape. The top portion of the image shows a dark sky with a bright yellow and green aurora borealis on the left and a small white circle representing the sun or moon on the right. Below the sky, there are white, jagged shapes representing icebergs or snow-covered land. The bottom two-thirds of the image is a solid light blue color.

BARROW LAB FACILITIES



2012 Toolik Science Vision Workshop

BARC Lab Facilities

- High Speed Internet*
- Snorkel Hoods
- Refrigerators/Freezers
 - Household fridge & freezer in each lab
 - 3 walk-in fridge/freezers
 - -80 freezer
- DI Water
- Fume Hoods
- Drying Oven
- Double & Single Basin Sinks
- Autoclave
- 120 V and 220 V Outlets
- Muffle furnace
- Pass throughs for cabled instrumentation on the roof
- Rad Lab**





BARROW SERVICES







Equipment Available

- Trucks
- Snowmachines + Sleds
- ATVs + Trailers
- Boats & Outboards
 - Zodiacs
 - 16' Aluminum John Boat
- VHF & UHF Radios
- Generators
- Augers
- Workshop with tools
- Safety gear (pfd's, cold weather gear, etc.)



Services Available

- Bear Guards
- Permitting
- Airport Pick up and Drop Off
- Shipping and Receiving
- Facilitate Meetings with Community
- Temporary Labor
- Liaison work with native communities



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A stylized illustration of an Arctic landscape. The top portion of the image features a black sky with a bright yellow and green aurora borealis on the left and a small white circle representing the sun or moon on the right. Below the sky, there are white, angular shapes representing icebergs or snow-covered land. The bottom two-thirds of the image is a solid light blue color, representing the ocean or ice.

BARROW CHALLENGES









Challenges

- Competing with community and industry for resources
- Not on the road system
- Access to airstrip regulated by the TSA
- Operating within a large Alaska community
 - Need to be very sensitive to local culture
 - Potential for theft or vandalism at sites
- Endangered species
- Theft
- Few recreational opportunities for students
- Rustic living conditions
- **Nothing is free**



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BARROW INFORMATION

Barrow & North Slope villages Bookings - CPS/UMIAQ supported researchers only

This form should be used for:

- NSF funded researchers supported by CPS
- Non-NSF funded projects directly supported by UMIAQ

Please submit 1 reservation per person for each new trip you plan to take.

Exception - Frequent trips to/from Atkasuk: please make one overall reservation for Barrow and indicate your expected dates in Atkasuk in the "Special request/comments/Atkasuk dates" box.

NSF Researchers working in Barrow will be housed in multi-bedroom huts on the NARL campus. PIs and co-PIs will stay at the NARL Ukpik Nest hotel if rooms are available. For more information about available housing, please visit our Barrow website: <http://www.polarfield.com/barrow/>
UMIAQ supported researchers will be staying in a hut at NARL or in an apartment in town.

The existing reservations and reservation numbers can be viewed at (but cannot be edited):

<http://spreadsheets.google.com/pub?key=p71Sfa6itw-fgAXBsa-9bRQ>. You will be able to use to modify/cancel your existing reservation using your reservation number (by filling in the form: <https://spreadsheets.google.com/viewform?hl=en&formkey=cDcxU2ZhNm0dy1mZ0FYQnNhLTiUjE6MA>).

If you have problems either entering data, or viewing reservations page, please contact:

faustine@polarfield.com

Important: Your reservations must be entered using this form as early as possible before your trip to Barrow. You will NOT receive a confirmation email. Your reservation is automatically submitted once you press submit at the end of the form.

Non-CPS or UMIAQ supported projects should not use this form. Please contact faustine@polarfield.com for more details.

*** Required**

What would you like to do? *

Select one of the below choices

- ☐ New Reservation for Barrow only
- ☐ New Reservation for Barrow/Atkasuk
- ☐ New reservation for other villages
- ☐ Modify Reservation
- ☐ Cancel Reservation

Res.

If modifying/cancelling an existing reservation, enter the reservation # you wish to change. A reservation # will be assigned to each new reservation within 24 hours. See <http://spreadsheets.google.com/pub?key=p71Sfa6itw-fgAXBsa-9bRQ>.

barrow bulletin

Information for NSF funded research in the Barrow area

[HOME](#) [CPS](#) [UIC](#)

Welcome to the Barrow Bulletin

Thank you for your interest in happenings with science support in Barrow. We have created this forum as an outlet for news items, program updates, and an introduction to our support model including the staff and their organizations.

You can click on any of the Categories on the right to see postings related to each topic, or click on a Page to see information that doesn't change very often. The latest posts are available in reverse chronological order under the Archives. Clicking Home in the title bar will navigate you back to this page. Wherever you are within the Barrow Bulletin you can submit comments or questions which will be considered for future postings or updates. And finally, you can modify your profile at any time by clicking on Site Admin.

Welcome to Barrow!



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Important & Interesting Websites

- Barrow Registration

- <https://spreadsheets.google.com/viewform?hl=en&formkey=cDcxU2ZhNml0dy1mZ0FYQnNhLTliUIE6MA>

- Barrow Blog

- <http://www.polarfield.com/barrow/>

- Barrow Proposal Assistance

- Email CPS Alaska Science Planner naomi@polarfield.com