

# WELCOME TO ZACKENBERG

# STATION BRIEFING

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## Agenda

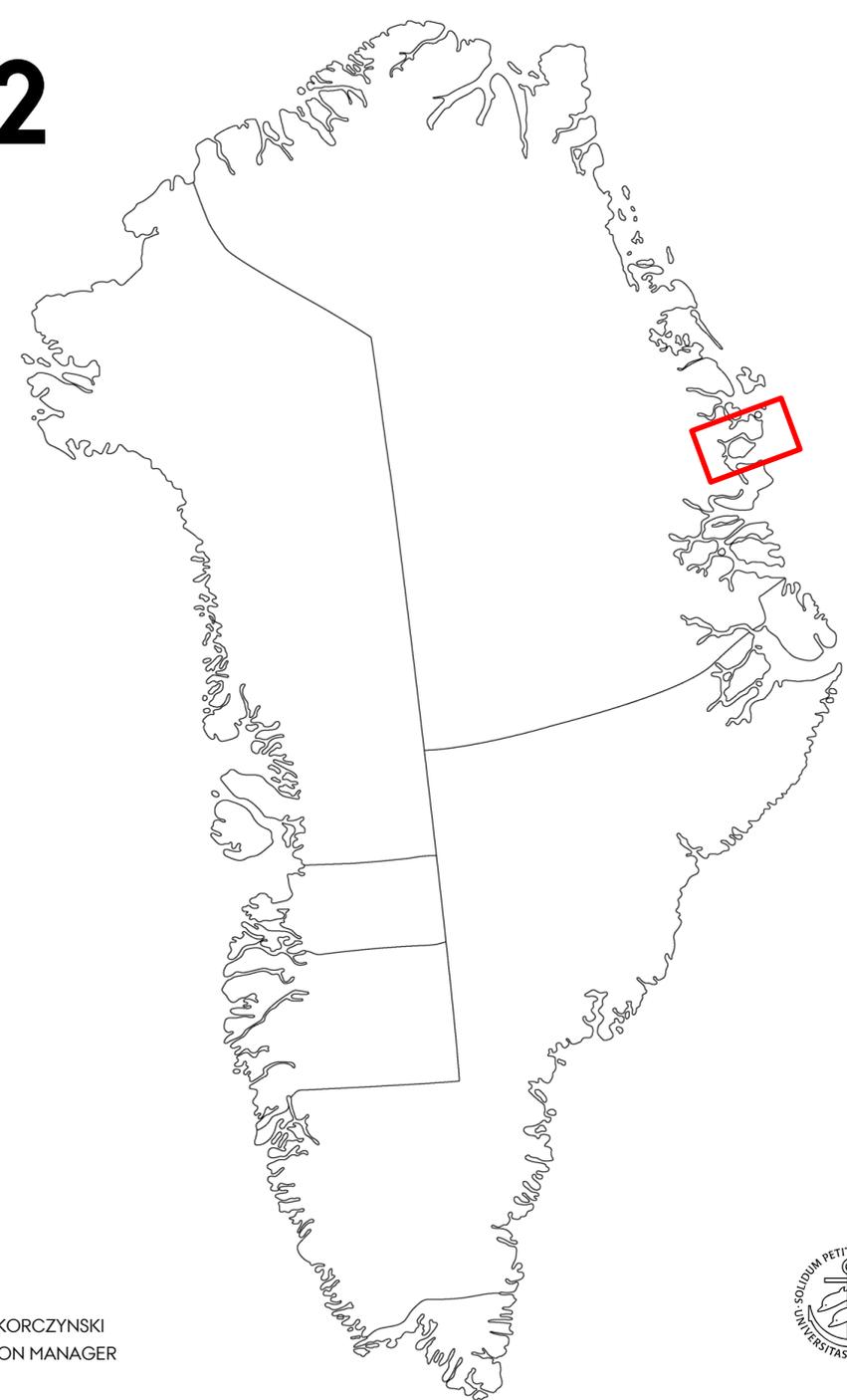
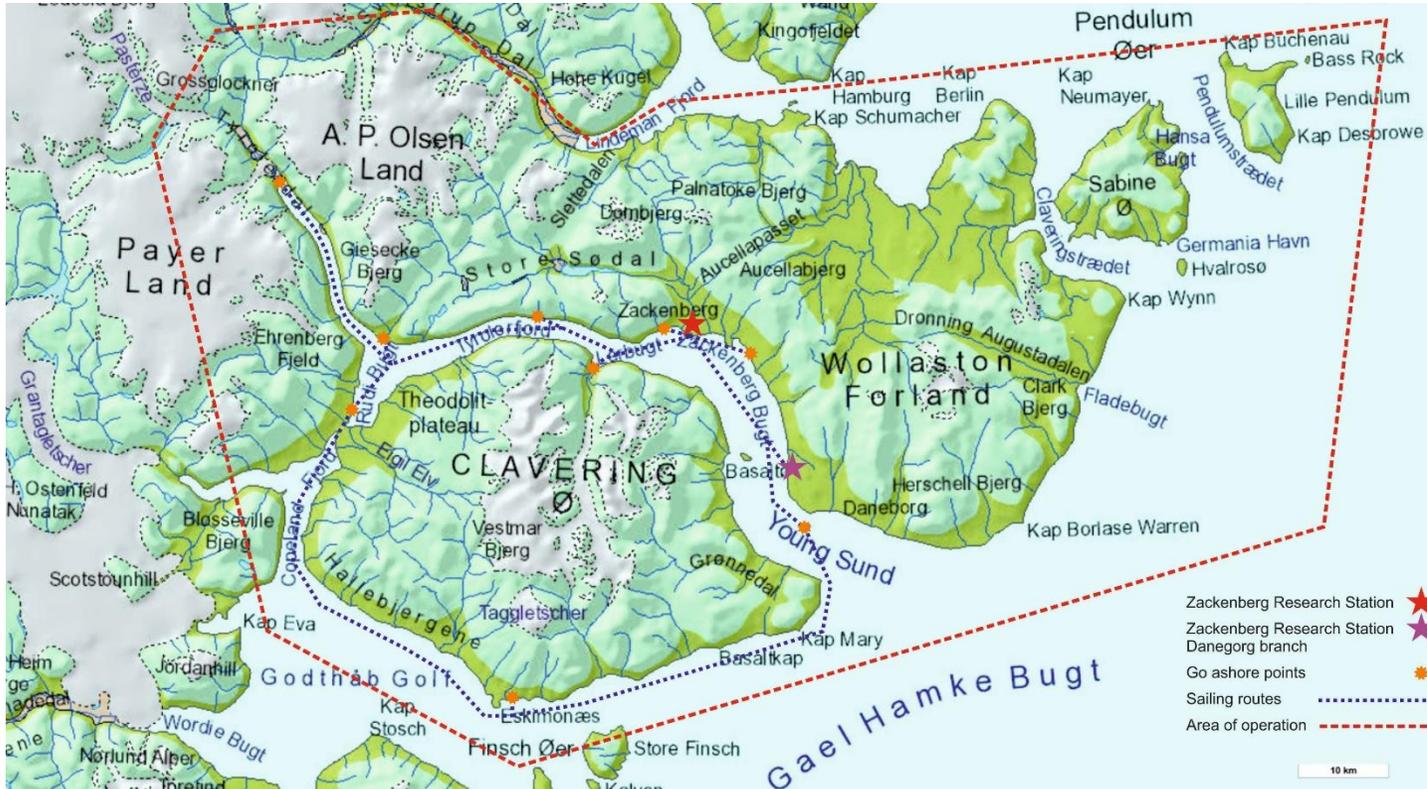
- General overview
- Station area safety
- Communication
- House rules
- Research zone rules
- Field safety
- Wildlife
- Station walk
- Practical introduction to VHF radio and weapons

# ZACKENBERG RESEARCH STATION

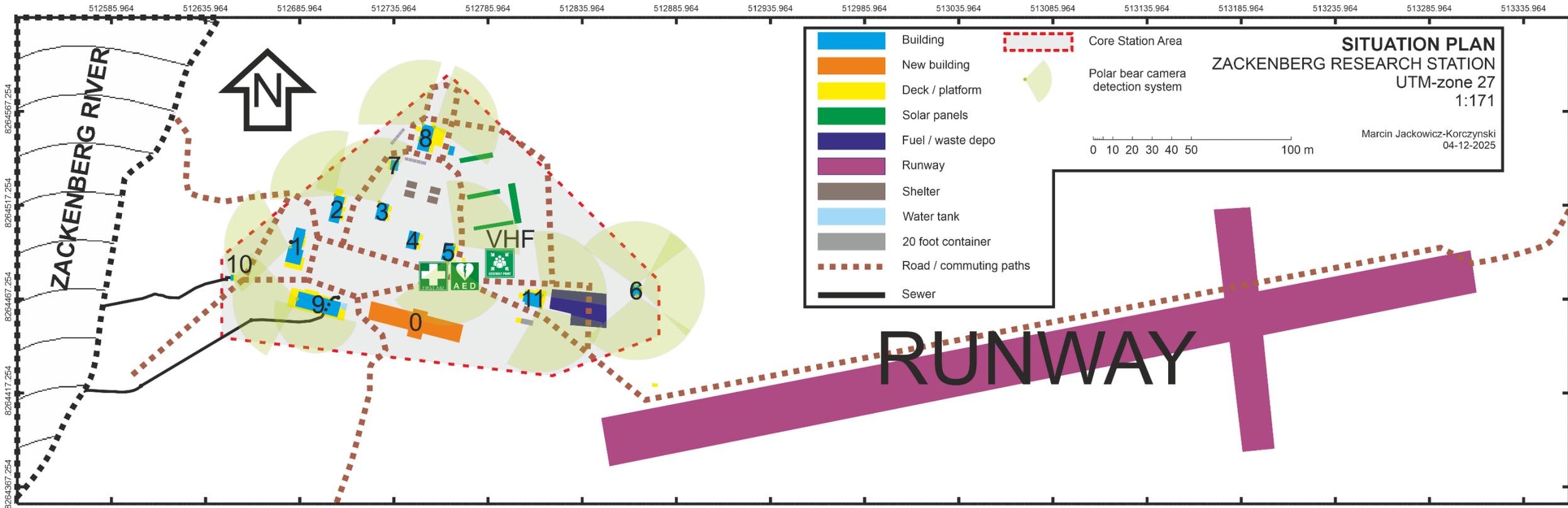
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- Zackenberg Research Station is an ecosystem research and monitoring facility at Zackenberg (74°28' N, 20°34' W) in Northeast Greenland. A branch facility is situated at Daneborg, 25 km south-east of Zackenberg
- Zackenberg welcomes national and international scientists and students who wish to carry out research projects or run a course.
- In addition to individual research projects and programs, a comprehensive environmental monitoring program, is operating at Zackenberg since 1995. This program is coordinated with a monitoring program in Nuuk and in Disko in West Greenland under the Greenland Ecosystem Monitoring program.
- Zackenberg is owned by The Government of Greenland and is operated by the Department of Ecoscience, Aarhus University.

# EXPEDITION PERMIT D-25-02



# SITUATION PLAN



# STATION AREA SAFETY

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- General consideration – we are in a remote area - be more risk averse than you would at home
- LOG in charge of the safety - but you might be asked to help in case of fire, first aid or polar bear situation
  - Always carry a VHF radio
  - Always check if it is safe to go outside (windows and corners)
- Do not leave open doors or windows – especially at night - if needed open top ventilation in House 9
- We are testing a new polar bear detection camera setup
- Weapons are not to be carried when inside the station
- Weapons in the houses are for station safety (not field use) and primarily for **LOG use**

# STATION AREA SAFETY

## FIRE

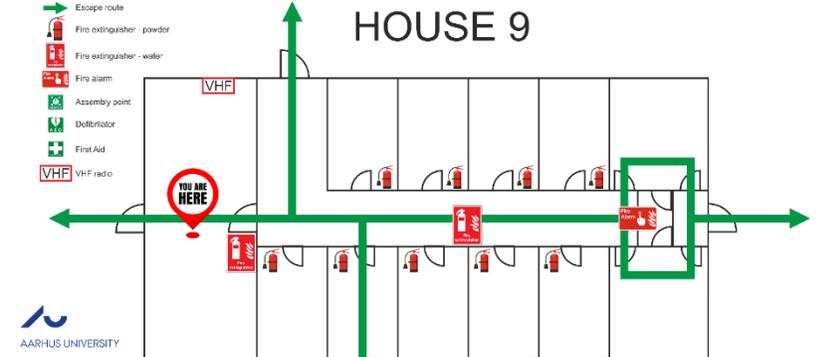
- Keep evacuation routes free of obstacles
- No open fire within station area
- Tools which might cause fire can only be used in safe manner, outside the buildings
- Smoking only allowed outside (ashtray @ House 1 & 5)
- Li-Po batteries can not be charged unattended
- Do not leave active kitchen stove unattended

## FIRST AID

- Iridium sat-phone and ALARM CALL list in House 5
- AED + MedChest B in House 5
- Eye rinsing distilled water in House 1, 2, 5, 8

## EVACUATION PLAN

### HOUSE 9



The diagram shows a floor plan of House 9 with several fire extinguishers (red icons) and a VHF radio (red icon with 'VHF' text). Green arrows indicate escape routes leading out of the building. A red circle with 'YOU ARE HERE' is placed on the left side of the plan. A legend on the left lists symbols for escape routes, fire extinguishers (powder and water), fire alarm, assembly point, defibrillator, first aid, and VHF radio. The Aarhus University logo is at the bottom left of the diagram.

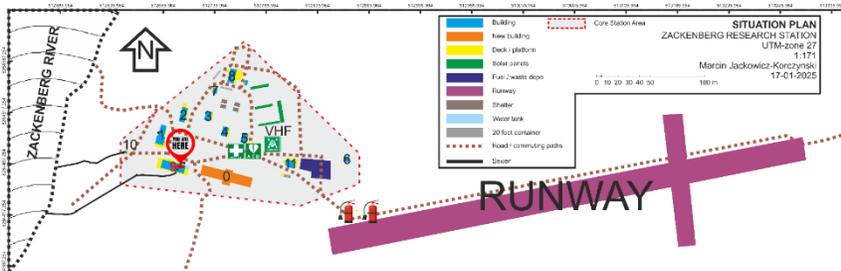
**SAVE**  
Assist anyone in immediate danger if you can do so safely without putting yourself at risk

**ALARM**  
Notify others via VHF radio channel 12  
"ALL ZACKENBERG ALL ZACKENBERG, [report WHAT and WHERE]"

**EXTINGUISH**  
If safe, use available equipment to extinguish the fire. If unable, close the door to limit its spread

**EVACUATE**  
Exit the building using the designated evacuation route. Avoid smoke and use alternative exits if needed

**ASSEMBLE**  
Go to the assembly point and await further instructions



The situation plan shows the layout of the Zackenberg Research Station. It includes a legend for buildings (New building, Deck platform, Solar panels, Fuel/water dip), fuel tanks, shelter, water tank, 20-foot container, road/contouring paths, and sewer. A large purple 'X' is drawn over the runway area. The station is located near the Zackenberg River. The map includes a north arrow, a scale bar (0-100m), and a title block with the station name, UTM coordinates, and the manager's name and contact information.

# UAV USE

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- Follow the drone flight regulations at [Zackenberg web](#)
  - No low flying over people not involved in the mission
- Indicate your mission details, incl. time and date, on the map in House 5
- Fill drone mission form at Zackenberg web

# COMMUNICATION

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- Stationary VHF radio in all houses
- Personal VHF radio – always carry
  - Chargers in all rooms, spare batteries available
- VHF channel 12 – ALL @ ZACKENBERG – ONLY IN ENGLISH
- VHF other channels – internal talk
  
- Internet use – StarLink – low data mode
  - Internal WiFi “ZackenbergWAN” – be mindful – Internet Code of Conduct
  - Station web interface 192.168.0.10
  
- Iridium phone (**take picture of numbers now - if needed**)
  - House 5: Stationary (Pilot) +8816 7775 4727 (Siemens) +8816 7775 4728
  - Handheld 1 +8816 2247 9084
  - Handheld 2 +8816 2349 6489

# HOUSE RULES

## Be considerate – we are living together and working long hours

- Quiet hours 22:00 – 06:00
  - House 9 has thin walls (talking, walking, doors)
- Code of Conduct – be respectful to each other

### Zackenberg Code of Conduct

In a small community, like Zackenberg Research Station, good communication is essential, both in the field and at the station, to ensure everyone is safe and a good environment is always maintained. Respect and be considerate of others, be honest and accountable, and ask for help when you need it and respect those who ask for help. Unacceptable behavior include physical or verbal abuse, harassment, intimidation or bullying, manipulation and gender based, race based, age-based, ability-based, or sexual harassment.

#### Reporting procedures

No matter your home institution or affiliation, you can disclose an incident that you experienced, observed or were told about.

#### Possible points of contacts:

- Marcin Jackowicz-Korczyński, Station Manager at Zackenberg, Department of [Ecoscience](#), Aarhus University. [mjk@ecos.au.dk](mailto:mjk@ecos.au.dk) mobile +45 31413021
- Torben Røjle Christensen, Scientific Leader of Zackenberg, Department of [Ecoscience](#), Aarhus University. [torben.christensen@ecos.au.dk](mailto:torben.christensen@ecos.au.dk) mobile +45 93509049

If you feel uncomfortable with these options, you can report incidents to the following:

- Mikkel Tamstorf, Head of Department, Department of [Ecoscience](#), Aarhus University. [mpt@ecos.au.dk](mailto:mpt@ecos.au.dk) mobile +45 53575044
- Helene Nyegaard Hvid, Head of secretariate, Department of [Ecoscience](#), Aarhus University. [helenehvid@ecos.au.dk](mailto:helenehvid@ecos.au.dk) mobile +45 93522135

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## House 1 – kitchen and the social stuff

- Breakfast @ 08:00
- Lunch @ 13:00 (note on info board if in/out)
- Dinner @ 19:00 (try to be on time – call if late)
- Respect if the cook made different items for different dietary needs
- Help in the kitchen after meals (dishwasher etc.)
- Sunday: breakfast and lunch on your own. Dinner will be served by LOG
- **Announcements** are made during breakfast and dinner and written on the info board
- Photo night, scientific presentations, social gatherings, entertainment
  - Remember consent before sharing on SoMe
- No phones at the dinner table

# HOUSE RULES

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## Hygiene

- Use grates and boot-brooms to clean boots
- No shoes indoor
- Wash hands (for the sake of others)
- Clean up after yourself
  - Dishes
  - Wash area (incl. toilet and shower)
- No scientific samples in common areas, in house 1 and house 9
- Common area cleaning once a week by LOG (usually Tuesday)
- On the day of departure you are expected to clean your own room

## Energy- and Waste management:

- Conservative water and electricity use
- Sorting the waste
  - Food in shredder (House 1 kitchen sink)
    - It is strictly prohibited to feed animals!
  - Burnable (paper, wood, cardboard) RED
  - Plastic+ (soft/hard) BLUE
  - Metal (waste station House 1 and 8)
  - Glass (waste station House 1 and 8)
  - Electronic (waste station House 8)
  - Batteries (waste station House 8)
  - Chemicals (House 2)

# HOUSE RULES

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**Remember we are all responsible for creating a good culture at the station!**

## Using station tools and equipment

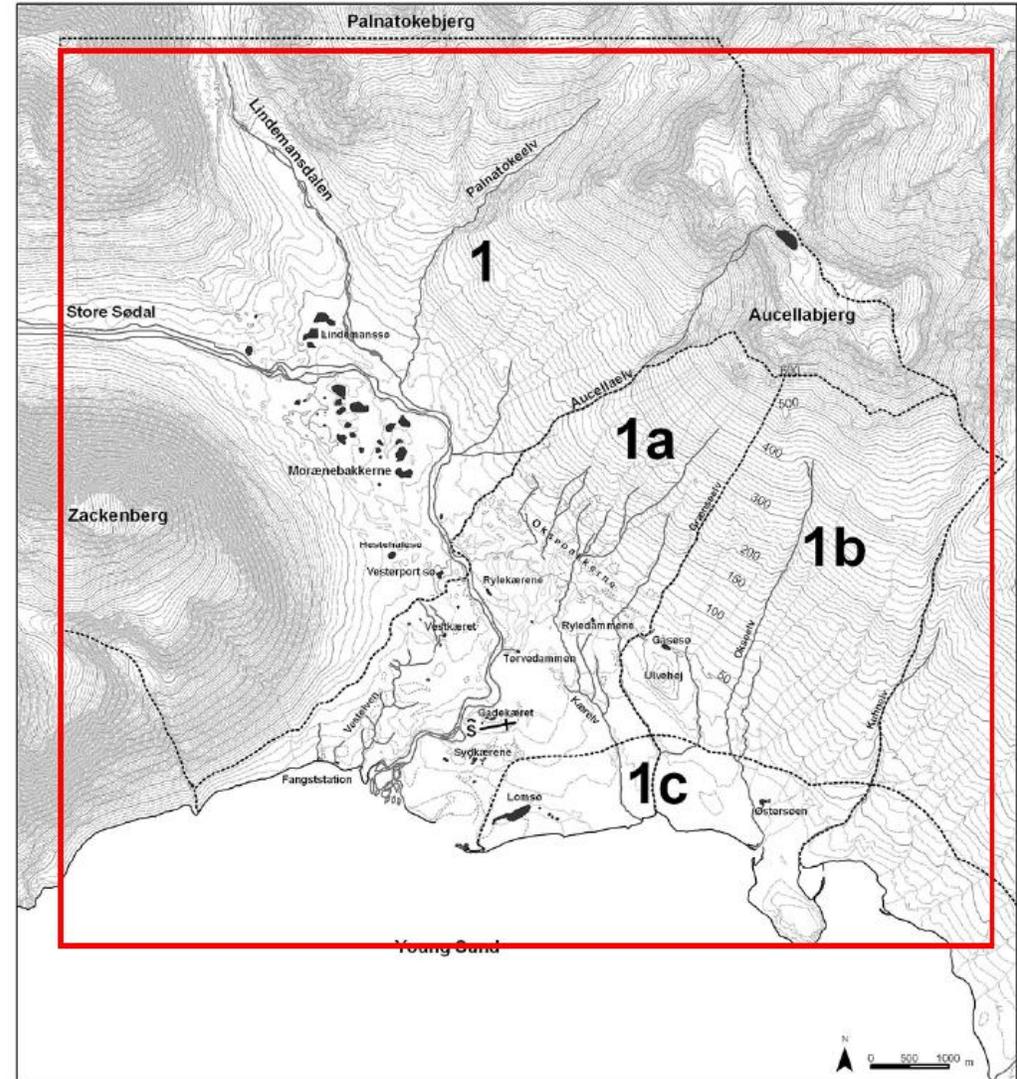
- Consult LOG before
  - Using the workshop in House 8
  - Using station equipment from the storage in House 11
- Do not remove provisions from the storage in House 11
- Report malfunctions to LOG
  - AND if weapons have been dropped
- Let LOG know if anything is needed – **we are here to help!**

## Feedback is needed and wanted

- We encourage ongoing issues to be brought to attention – as appropriate:
  - Person to person
  - To station manager or scientific liaison
  - To AU management
- Formal evaluations via [link](#) after stay
- Debriefings are held in case of incident or emergency
- We also welcome general feedback on how you experience life at the station

# RESEARCH ZONES RULES

- **1a + 1b** core monitoring area
- **1c** Access prohibited between 20 Jun 10 Aug
- Keep min 20 m distance from markers/installations
- Use paths for commuting, follow walkways
- Use the bridge to cross the river
- Leave broken markers take photo + GPS coordinates and report
- Don't feed animals
- Leave historical items (>50 yo)
- Register invasive sampling / project
- Tundra toilet > 50 m from standing or running water



# FIELD SAFETY WITHIN VHF RANGE

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## Mandatory:

- Written itinerary (OUT/IN time, route / path)
- 1x Tikka riffle cal. 30.06 half loaded with 5x bullet magazine
- 1x spare 3x bullet magazine
- 1x Geco flare gun cal. 26.5 mm
- 3x cal. 26.5 maroon “bang” cartridges
- 1x whistle

## Recommended:

- 1x field first aid kit
- 1x GPS
- In bad visibility - go in pairs
- Always plan trip accordingly

# FIELD SAFETY OUTSIDE VHF RANGE

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## Mandatory:

- Written itinerary (OUT/IN time, route / path)
- Team of min 2 people
- 1x Tikka riffle cal. 30.06 half loaded with 5x bullet magazine
- 1x spare 3x bullet magazine
- 1x Geco flare gun cal. 26.5 mm
- 3x cal. 26.5 maroon “bang” cartridges
- 1x whistle
- 1x PLB
- 1x iridium (call / check in time must be agreed with LOG)
- 1x field first aid kit
- 1x GPS
- Additional safety equipment might be needed depending on the nature of the operation – consult with LOG

# WILDLIFE SAFETY

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- Polar Bear
- Musk Ox
- Arctic Wolf
- Foxes



# POLAR BEAR INSTRUCTION VIDEO

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Video (DVD) in House 1 or

[https://www.youtube.com/watch?v=kLWG\\_73v948](https://www.youtube.com/watch?v=kLWG_73v948)

# WILDLIFE SAFETY GENERAL RULES

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## Observe

- Be aware of your surroundings at all times – look up from the ground

## Communicate

- If you see a polar bear (no matter the time of day) notify on VHF: WHAT, WHERE, HEADING

## Act

- If safe distance encounter; move slowly away
- If close distance encounter; group together and make yourself visible and prepared

## React

- Use your voice/whistle to make yourself known and initiate the hazing
- If needed engage the flare gun to **escalate** the hazing
- Be ready to use the rifle to kill (in a safe manner for your colleagues)

## Afterwards

- Debriefing
- An encounter must be registered in our polar bear form out as soon as possible hereafter

# POLAR BEAR - EXAMPLE OF COMMON ENCOUNTER

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# PRACTICAL INTRODUCTION

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- **Set your clock to manual 0 UTC / GMT +00**
- Station walk and orientation
  - Use common objects and compass directions
  - From STATION & BOARDWALK
    - NORTH: LINDEMANN VALLEY & PALNATOKE MOUNTAIN
    - WEST: THE RIVER & ZACKENBERG MOUNTAIN
    - SOUTH: YOUNG SUND
    - EAST: THE RUNWAY & ULVEHØJ
- House 5 check out procedure
- VHF radio hand-out and usage
- Weapon handling and shooting practice

Rifle with crooked notch





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# CODE OF CONDUCT

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