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MRS/

ation Form 2022

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Mountain Research Station Research Application Form 2022

Completing this form is required for researchers wishing to use Niwot Ridge, the Green Lakes Valley in the City of Boulder Watershed, or the CU property around the Mountain Research Station for their work. This form will allow us to catalog the research projects and their location, and evaluate whether additional permission is needed from the US Forest Service (e.g. projects involving significant ground disturbance, the use of potentially toxic chemicals, or significant infrastructure such as towers or buildings).

For summer research we request forms be submitted before May 1. Forms submitted after May 1 requesting access to the City of Boulder watershed are unlikely to be approved.

IMPORTANT: Research activity may again be restricted this summer due to safety issues associated with the COVID-19 pandemic. The MRS, Niwot Ridge LTER Program, US Forest Service, and the City of Boulder may require certain protocols to minimize endangering researchers, field technicians, and first responders. Please stay tuned as access to Niwot Ridge, the City of Boulder Watershed, and the Columbine Springs Preserve (CU Boulder property at MRS) may be restricted.

Thank you for your cooperation.

*indicates required field

Q1



*Last (family) name

Q2



*First name

Q3



Department / University or Organization

Q4



*Contact phone number

Q5



*Email address

Q6



Emergency contact

Name

phone number

Q40



Field Safety Plan

All groups must have a field safety plan in place and on-file (include below or e-mail to mrs@colorado.edu) with their MRS research permit that addresses relevant hazards they may come across during their research, how those hazards can be avoided and/or mitigated, and how to respond should an incident occur. An example template safety plan is available on the MRS web site at <https://www.colorado.edu/mrs/research-natural-history/research-application-form>, although any format is acceptable.

Please also review CU Boulder COVID policies here: <https://www.colorado.edu/covid-19>

Q38



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* Have you previously done research a... if no Is Selected

** Please note that working on Nivot Ridge and the Green Lakes Valley involves significant risk associated with rapid changes in weather, high elevation, lightning, overexertion, and rough terrain. If you are injured it will take significant time for you to receive medical attention. We strongly encourage everyone doing research to carry a first aid kit and receive first aid training, preferably Wilderness First Aid.*

Have you taken any first aid training?

- yes
 no

Q39



Please indicate what first aid course you've taken, and the latest year you were certified:

Q7



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Logistical Requirements If you wish t... if No Is Selected

Skip destination

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* Have you previously done research at MRS/ Niwot Ridge?

- Yes
- No

Q8



What year(s) have you done research at MRS/ Niwot Ridge

Q9



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Logistical Requirements

If you wish to rent a cabin at MRS, please contact the station manager (mrs@colorado.edu, 303 492-8842). Housing options and rates can be found at <https://www.colorado.edu/mrs/general-info/user-fees>.

*Will you be:

- commuting to MRS / Niwot Ridge
- Staying at MRS

Q10



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*Are you affiliated with the Niwot Ri... if No Is Selected

*Will you require office or laboratory space (including the Tundra Lab)? Please review fee schedule for the charges associated with using MRS facilities.

- Yes
- No

Q37



Describe your logistical needs from the MRS (lab/ office space). Lab and office space rents may be found at <https://www.colorado.edu/mrs/general-info/user-fees>.

Q19



Skip destination

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*Are you affiliated with the Niwot Ridge LTER Program

Yes

No

Q11

Research Plan

Please enclose a research proposal with the following information if available.

Q12



*Title of Research Program

Q13



*Brief description of major research Objective(s)

Q14



Please describe in a paragraph your research plan, including:

- * the organisms or features to be studied
- * the specific methods to be used, including sample sizes for soil, plant, and animal collection
- * the period during which your research will be conducted this season,
- * the length of the research program.

Include as much detail as you can. Please note that substantial soil collection, collecting listed threatened or endangered species, or projects with substantial visibility impacts will require US Forest Service approval.

Q15



* Specify the research areas you plan to use (if known):

- Niwot Ridge Biosphere Reserve near D1
- Niwot Ridge Biosphere Reserve near Saddle
- Niwot Ridge Biosphere Reserve east near T-van
- Green Lakes Valley/ City of Boulder Watershed (requires a permit)
- C1 Climate Station
- MRS property (Elk Meadows, Como Creek near camp, nearby forest)
- Not sure at this time
- Other not listed above (describe in the blank)

Q16



Please list the funding sources for your proposed project including funding agency, funding period, and amount. This info is useful when reporting to CU administration.

Q17



* Will you be collecting or handling vertebrate animals as part of your research? If "yes" then please send a copy of your approved IUCAC form as an email attachment to mrs@colorado.edu

- Yes
- No

Q18

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* Will you be using any chemicals, ha... if No Is Selected

*Will you be using tracers (chemical, enriched isotopes)?

- Yes
- No

Q19



Please indicate the concentration, describe how large a dispersal area, and what is the expected increase over background concentration?

Q20



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Plot Markers If you are using researc... if No Is Selected

[Skip destination](#)

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* Will you be using any chemicals, hazardous or not, in the field or lab? **MRS does not have a chemical lab. If your research requires chemical work you should coordinate with a lab on CU Boulder main campus.**

Yes

No

Q21



Describe the chemical, what it will be used for, and its concentration.

Q22



No on-site waste disposal is available. Describe how the chemical waste will be disposed. Waste disposal must meet CU Boulder Environmental Health and Safety (EH&S) guidelines, and users may be required to take the EH&S hazardous waste disposal course.

Q23



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Plot Markers

If you are using research markers, please describe them here (e.g. large nails). Please refrain from using markers that may be hazardous (e.g. protrude substantially from the soil and present a tripping or impaling hazard) or those that degrade quickly and disperse across the landscape (flagging, whiskers). Rebar is not permitted as a marker as per a USFS request.

Q24



Plot/ sampling Location(s)

* Please list the coordinates of your research area(s) below (each site on a separate row). It is preferable that you use decimal latitude/longitude with NAD83 datum. If you aren't certain where your plot(s) will be then indicate that in the blank. Many of the current research plot locations are shown at this link: <https://nwt.lternet.edu/research-plots>. Please use this map as a guide to find the coordinates of plots as well as to see that there is already a marker or plot listed for your sampling or observational plot.

Q25



If known, please list the names of your research assistants.

Q26



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Thank you for filling out the research... if No Is Selected

City of Boulder Watershed Permits

The City of Boulder provides access to their watershed in the Green Lakes Valley for a very limited number of researchers. The Mountain Research Station assists the City in regulating this use, and access requires a research application form as well as the information requested below. Researchers working in the Green Lakes Valley must follow the strict regulations set forth by the City of Boulder.

* Do you wish to apply to work in the Green Lakes Valley?

Yes

No

Q27



* State why the research must be done in the watershed, and could not be done elsewhere. It is not sufficient to indicate that a certain feature or organism is found in the watershed- there must be a compelling reason the research can only be done in the Green Lakes Valley.

Q28



* Indicate the exact location you wish to work, and whether you would enter on the watershed road or via Niwot Ridge. If approved this is the only site you can go to in the watershed.

Q29



* Indicate the frequency of your proposed visits (per week or per month), and if possible indicate the exact dates of visitation.

Q30



* Number of people that would enter the Green Lakes Valley on each visit- this should be kept to a minimum with justification for everyone's presence, although individuals will not be allowed to enter alone for safety reasons.

Q31



* Provide the names of your research assistants that you would like to be able to enter the watershed.

Q32



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Thank you for filling out the research application form. If there is a problem or information is missing you will be contacted. You will receive an email verification once it has been approved. Researchers receiving a Watershed permit will be contacted with information about protocols to be followed when working in the Green Lakes Valley.

Please contact the Mountain Research Station for questions (mrs@colorado.edu)



 Import from library

Add new question

[Add Block](#)

End of Survey

We thank you for your time spent taking this survey.

Your response has been recorded.

