

Request to Conduct Research on the Bartlett Experimental Forest

Our review process has two deadlines to submit proposed work – April 1 and October 1. We try to get approvals back within a month. Providing a complete set of information will facilitate the review process. Be as specific as possible regarding your potential sampling locations and methods.

I. Investigator(s) Name(s), Affiliation(s), E-mail address, and if you've worked at BEF: add additional lines if necessary

<u>Name</u>	<u>Affiliation</u>	<u>E-mail address</u>	<u>Prior work (y/n)</u>
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II. Proposal information

Title:

Major hypotheses:

Funding sources (please indicate both pending or currently available sources:

Proposed study start date:

Estimated duration of study:

III. Type of system involved/work proposed. Please address items a-c:

a. System (check all that apply):

Terrestrial Aquatic Watershed Atmosphere Other

b. Type of work proposed:

Large-scale manipulation (e.g., compartment/watershed treatment of vegetation/site)

Small-scale manipulation (e.g., plot level treatment of vegetation/site)

Large/small-scale non manipulative measurements

Type of sampling proposed (check all boxes that apply):

Non-destructive sampling

Destructive sampling

Long-term monitoring

Other

c. Key words – check any descriptors that apply to your proposal:

Forestry

Hydrology

Community Ecology

Autecology

Wildlife

Remote Sensing

Population Biology

Physical Ecology

Soils

Physics

Biogeochemistry

Chemistry

Geology

Landscape Ecology

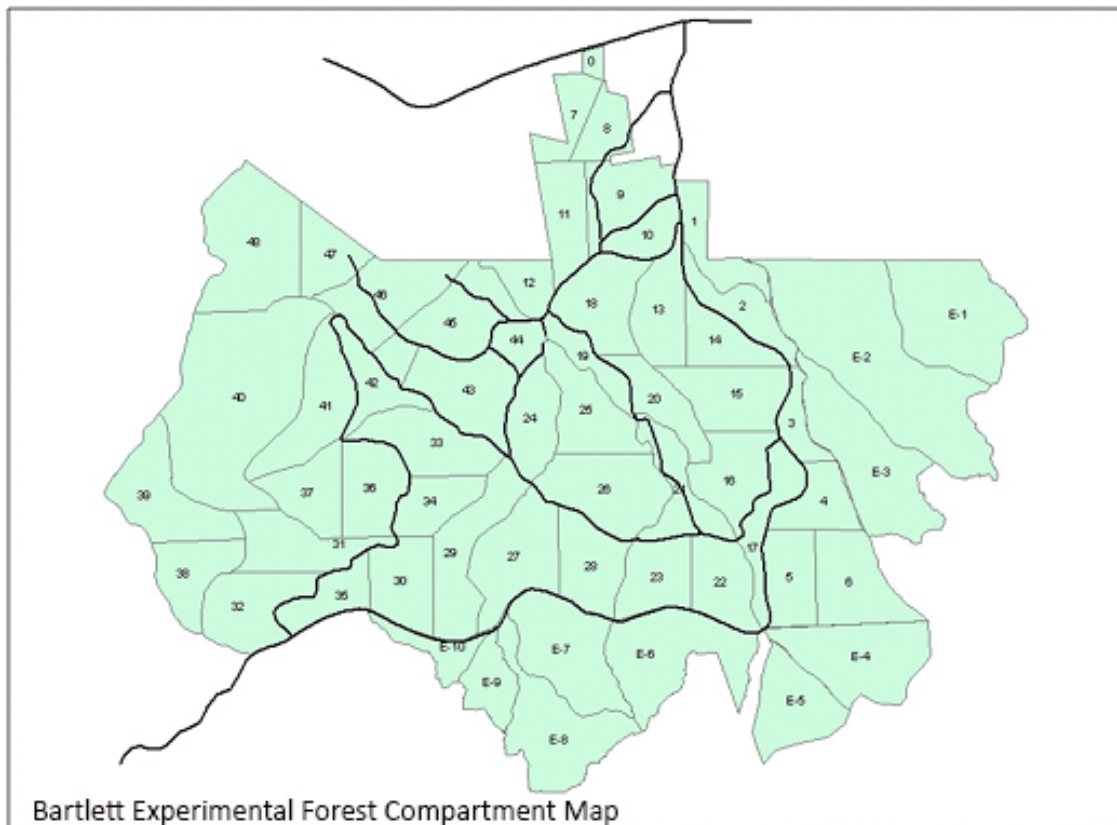
Choice 1

Choice 2

List the types of organisms or substances you intend to study (e.g., trees, amphibians, mammals, soils, calcium, etc)

IV. In which Bartlett compartments would you like to work?

Have you discussed these sites with either Bill Leak / Mariko Yamasaki and if so when?



V. What Bartlett ongoing research or publications are related to your proposed research?

VI. Proposal abstract (or a brief description of your proposed research attached to this form):

VII. Proposed field methods and sampling procedures with sufficient information to determine potential disturbance and sampling impacts:

VIII. Safety-The USFS is committed to increasing safety awareness among its employees and research cooperators. The WMNF and the Bartlett Experimental Forest occur on rugged terrain with severe weather patterns throughout the year and appropriate preparations are necessary prior to engaging in field work. Please provide us with a description of your safety guidelines for personnel working in both the field and in the lab. For example, your check in/check out procedures, job hazard analysis, relevant training, safety equipment.

Special considerations – If the proposed research involves potentially hazardous techniques (e.g., shotgun sampling, tree/tower climbing) provide specific information about the techniques and materials, including justifications for use, potential problems and concerns, and any statements on necessary precautions and safety factors that will be utilized in the process.

Some degree of NEPA assessment on the part of the researcher will be required for any of the following manipulative treatments that use contaminating materials (e.g., isotopes, introduced plants or animals, fertilizers, insecticides, and herbicides). At a minimum, a scoping letter describing the proposed experiment will be sent to all BEF abutters and WMNF for comment and a letter to the file as a categorical exclusion will be needed. A determination of the degree and extent of assessment required will be made at the time of the proposal by the Project Leader. See this link for more information: <http://www.fs.fed.us/emc/nepa/>

Research Stipulations: If you are granted permission to work at BEF: (1) any plots you establish within compartments will need to be geo-referenced, size of plot documented, and a plot data file will need to be provided as soon as possible for our records; and (2) all researchers will be required to remove all field sampling material and equipment from plots and laboratory site at the conclusion of their work.

All GIS data shall be in the following format: Projection – NH State Plane, NAD83 Ft. Coordinates – Decimal Degrees

E-mail or mail this form to:

Mariko Yamasaki, Silviculture/Wildlife Team Leader
U. S. Forest Service, Northern Research Station
Forest Sciences Lab
271 Mast Road
Durham, NH 03824
Email: myamasaki@fs.fed.us

VIII. Safety-The USFS is committed to increasing safety awareness among its employees and research cooperators.

The WMNF and the Bartlett Experimental Forest occur on rugged terrain with severe weather patterns throughout the year and appropriate preparations are necessary prior to engaging in field work. Please provide us with a description of your safety guidelines for personnel working in both the field and in the lab. For example, your check in/check out procedures, job hazard analysis, relevant training, safety equipment.

Our crew leaders have a plan every day for the location of all personnel and are provided with emergency contact information.

Special considerations – If the proposed research involves potentially hazardous techniques (e.g., shotgun sampling, tree/tower climbing) provide specific information about the techniques and materials, including justifications for use, potential problems and concerns, and any statements on necessary precautions and safety factors that will be utilized in the process.

NA

Some degree of NEPA assessment on the part of the researcher will be required for any of the following manipulative treatments that use contaminating materials (e.g., isotopes, introduced plants or animals, fertilizers, insecticides, and herbicides). At a minimum, a scoping letter describing the proposed experiment will be sent to all BEF abutters and WMNF for comment and a letter to the file as a categorical exclusion will be needed. A determination of the degree and extent of assessment required will be made at the time of the proposal by the Project Leader. See this link for more information: <http://www.fs.fed.us/emc/nepa/>

We obtained a NEPA exclusion.

Research Stipulations: If you are granted permission to work at BEF: (1) any plots you establish within compartments will need to be geo-referenced with plot centers and corners identified; and a plot data file will need to be provided as soon as possible for our records; and (2) all researchers will be required to remove all field sampling material and equipment from plots and laboratory site at the conclusion of their work. All GIS data shall be in the following format:

Projection – NH State Plane, NAD83 Ft.
Decimal Degrees

Coordinates –

Site	USFS Designation	Age in 2004	Elevation (m)	Aspect	GIS Coordinates
C1	Davis Brook West Timber Sale	12	570	flat to SE	C1-1: 44.042824,-71.320720
					C1-2: 44.042538,-71.321201
					C1-3: 44.041931,-71.321822
					C1-4: 44.042574,-71.321958
C2	Saco RD Cmpt 51	14	340	NE	C2-1: 44.059038,-71.269333
					C2-2: 44.059480,-71.268800
					C2-3: 44.059813,-71.269119
					C2-4: 44.059526,-71.269901
C3	Saco RD Cmpt 52 stand 17	19	590	NNE	C3-1: 44.038185,-71.291325
					C3-2: 44.037742,-71.291219
					C3-3: 44.037665,-71.291834
					C3-4: 44.037222,-71.291729
C4	Saco RD Cmpt 52 stand 8	26	410	NE	C4-1: 44.053436,-71.268748
					C4-2: 44.053117,-71.268069

C5	no stand # on map	28	550	flat to NW	C4-3: 44.053147,-71.267087
					C4-4: 44.052826,-71.266443
					C5-1: 44.039193,-71.316669
					C5-2: 44.039836,-71.315839
					C5-3: 44.040121,-71.315342
C6	Saco RD Cmpt 51 stand 6	29	460	NNW	C5-4: 44.040463,-71.314936
					C6-1: 44.040352,-71.275200
					C6-2: 44.039902,-71.275202
					C6-3: 44.040350,-71.274576
					C6-4: 44.039900,-71.274579
C7	BEF cmpt 33/34	mature	440	ENE	C7-1: 44.052278,-71.302577
					C7-2: 44.052730,-71.303198
					C7-3: 44.053180,-71.303195
					C7-4: 44.053908,-71.303122
					C8-1: 44.054080,-71.297186
C8	BEF cmpt 33/29	mature	330	NE	C8-2: 44.053793,-71.297666
					C8-3: 44.053333,-71.297457
					C8-4: 44.054807,-71.299769
					C9-1: 44.043814,-71.278167
					C9-2: 44.043933,-71.278769
C9	Saco RD Cmpt 52 stand ?	mature	440	NE	C9-3: 44.043340,-71.279463
					C9-4: 44.044128,-71.279415

Approval Page

NEPA requirements have been reviewed and approved as follows:

This project can proceed without further assessment.

This manipulative project can proceed as a categorical exclusion after completing a scoping letter to the public and a letter to the file.

This manipulative project will require further environmental assessment work before approval.

Approved by:

Project Leader

Date: