

VMC COOPERATOR'S DATA LIBRARY PROJECT INFORMATION FORM

(Please provide the following information.)

Project Abbreviation (8 characters or less): NBSMNI

(Nettle Brook Snowmelt Nitrate)

Primary Contact (Provide information for one person who has or shares the major responsibility for the project. Additional cooperators and their affiliation will be entered later.)

Name: Dennis M. Daly

Title: Graduate Student

Organization: UVM

Mailing Address: SNR, Aiken Center, University of Vermont

City: Burlington

State: Vermont

Zip Code: 05405

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Project Information (Enter the full title of the project as it is presented in VMC publications. Provide an objective for the project, limiting your entry to 40 words.)

Project Title: Nitrate Transport in Snowmelt in the Green Mountains, Northern Vermont

Objective: To determine processes important to the transport of nitrate in snowmelt and quantify overwinter nitrate inputs and outputs (Master's Thesis).

(Provide the start and end date for the project. If the project is still active, write active in the space provided for end date.)

Start Date: 1 October 1993

End Date: 1 October 1994

(Provide the elevation or elevational range for the project study areas.)

Elevation or Elevational Range: 1450-2200 ft.

(Identify one primary key term that best fits the project, with a X.)

Fauna

Flora

Surface Waters X

Atmospheric

Geological

Soils

(Indicate whether the project is local or part of a larger umbrella project and provide the name of the umbrella project.)

Local X

Statewide

Regional

National

International

Specify umbrella project:

(Choose as many locations as fits your project.)

Lye Brook

Mt. Mansfield X

Other: (Specify the spatial scale at which your project is collecting data. Check all that apply.)

Micro (<1 m²)Meso (>1 m² and <10 m²)Macro (>10 m²) X

(Choose up to 5 terms that best describe your project.)

Aquatic

Lake
Stream X
River
Groundwater
Terrestrial
Forest X
Grassland
Alpine
Wilderness
Park lands
Managed system
Park lands
Managed system
Protection
Disease
Silvicultural treatment
Recreation
Fire
Flora
Vascular
macrophytes
herbs
shrubs
trees
Non-vascular
bryophytes
lichens
algae
Fauna
Vertebrate
Avian
Amphibian
small mammal
large mammal
Invertebrate
arthropods
worms
Air Quality
oxidants
trace metals
nutrients
precipitation chemistry
radiation
aerosols
gases
Water quality
hydrology X
nutrients X
contaminants
acidity
Deposition
particulates
precipitation
gases

Weather and Climate
 precipitation
 temperature
 radiation
 wind
 extreme events

Ecological Process
 mortality
 growth/productivity
 nutrient cycling X
 decomposition
 reproduction

Ecological Structure
 diversity
 abundance
 population dynamics
 community

Earth Sciences
 Bedrock
 Soils
 structure
 chemistry

Associated Project Participants (Provide information on other project participants.)

Name: Dr. T. Scherbatskoy
 Title: Assistant Research Professor
 Organization: University of Vermont
 Mailing Address: SNR, Aiken Center., U. of V.
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Publications and References (List publications and references relevant to the motivation, design, methods, and or results of this project. Include VMC publications where methodologies and results are presented.)

None published as of 6/1/1995. Possible publication by end of year. Will update when appropriate.

VMC COOPERATOR'S DATA LIBRARY DATA FILE DOCUMENTATION
 (This information needs to be completed for all Data Files.)

Project Abbreviation: NBSMNI

Provide the name of the data file.

Filename: NB CHEM DATA

What is the date of the last update to this file.

Latest Update: 29 NOV 1994

In what operating system and in what format are the data stored

(e.g., Mac, PC, UNIX/Lotus, Voyager, ASCII, dBase...).

Data Format: MAC EXCEL 5.0

What access restrictions do you want to place on this data file? NONE

Class I Internet Access

Class II Internet Access with prior written permission.

Class III Internet Storage of data. No access at this time.

Describe the spatial characteristics of sampling (number and size of plot, distribution of plots within study area, etc.).

Spatial Intensity: 54 STREAM WATER SAMPLES OBTAINED AT WEIR

DRAINING

11 HECTARE CATCHMENT

VARIABLE TABLE (Probably the most important information.)

Variable Name	Units	Sampling Frequency	QA/QC	Resolution
NO3-N	mg/L	Monthly/snowmelt-2x daily	c >0.05	
SO4-S		mg/L Monthly/snowmelt-2x daily	c	>0.05
PO4-4		mg/L Monthly/snowmelt-2x daily	c	>0.1
Cl		mg/L Monthly/snowmelt-2x daily	c	>0.05
Ca		mg/L Monthly/snowmelt-2x daily	c	>0.05
K		mg/L Monthly/snowmelt-2x daily	c	>0.05
Mg		mg/L Monthly/snowmelt-2x daily	c	>0.05
Na		mg/L Monthly/snowmelt-2x daily	c	>0.05
Al		mg/L Monthly/snowmelt-2x daily	c	>0.05
Si		mg/L Monthly/snowmelt-2x daily	c	>0.05
NH4-N		mg/L Monthly/snowmelt-2x daily	c	>0.05

Variable Table Instructions:

- 1.) Give the full name of each variable.
- 2.) Provide the Units of measurement.
- 3.) How often are samples taken.
- 4.) What is the level of Quality Assurance (QA/QC) for data collection and entry:
 - a.) None (you are on your own),
 - b.) in progress, and
 - c.) complete (done to the investigators best ability).
- 5.) What is the resolution for the measurement of this variable.