VMC COOPERATOR"S DATA LIBRARY PROJECT INFORMATION FORM
(Please provide the following information.)

Project Abbreviation (8 charcters 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 m^2)
Meso (>1 m^2 and <10 m^2)
Macro (>10 m^2) X

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

Aquatic

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        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
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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
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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 are, 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.