

## LINCOLN REPORT OUTLINE

### Introduction

Purpose:

How accomplished:

### Data - Numbers refer to stops on the trip

Precambrian basement ( 1 )

Upper Precambrian - Lower Cambrian Metasediments

    Pinnacle (1, 2, 3)

    Fairfield Pond (4)

Cambrian

    Cheshire Quartzite (5)

### Interpretation

- 1) Interpret the following sequence in terms of a Precambrian - Cambrian rifting model (include a diagram):
  - Precambrian basement (Mount Holly Formation)
  - Pinnacle and Fairfield Pond Formations
  - Cheshire Quartzite
  
- 2) How much time is represented by the basal unconformity between basement and overlying sediments? What proportion of time since the Grenville orogeny is represented by this contact?
  
- 3 ) Sketch a cross section through the Lincoln Massif (*from lecture notes*). Do lithological descriptions suggest that the Underhill correlates with Pinnacle/Fairfield Pond? Briefly describe the deformational history of the entire sequence.

### Figures

Geology map of Vermont

    Mark location of this and other trips

Topographic map (737)

Crash Bridge map (736)

Pre-Cheshire Stratigraphy (738)