

A preliminary survey of the **Butterflies** and adult **Odonata**
of the Anderson Properties,
Lincoln and Bristol, Addison County, Vermont
during part of the 2001 field season.

Report to the Colby Hill Ecological Project

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Introduction

This is the third consecutive annual report on the adult butterflies and odonata of the Colby Hill Ecological Project (CHEP) in Lincoln and Bristol Townships, Addison Co., Vt. on the farm properties of Mr. Lester Anderson. During the 2001 season, I also did a preliminary and very limited inventory of moths.

Previously surveys were conducted at three farms: Guthrie/Bancroft, Pierce, and Wells. During the 2001 season, no surveys were conducted on the Wells farm for two reasons: 1) data from the two previous seasons indicated that the biodiversity of the target taxa was relatively lowest on the Wells farm and 2) because of this and a more limited field agenda in 2001, I decided not to inventory at the Wells farm and instead concentrated my efforts at the other two farms.

I followed essentially the same field protocols as during the 1999, and 2000 field seasons (see Appendix I for specific details on the daily routes I took at each farm). A running total of all adult species of butterflies and odonata for the three seasons (1999 through 2001) was compiled, with additional details by specific sites (Tables 1-6).

Methods

For the inventories of the adult butterflies and odonates, I used the same general procedures as for the 1999 and 2000 surveys. This consisted of: 1) random searches through the major habitats (meadows, swamps, marshes, fields, and woodlands), 2) a general survey along transects in some areas (especially along the wooded part of Isham Creek) and 3) intensive point surveys at several loci, particularly at Guthrie Pond. At the latter relatively high biodiversity site, I also attempted (as during the previous years) a limited mark/recapture of odonata and a more or less temporal survey of the daily flight activity of selected species of odonates at Guthrie Pond.

I was in the field during all or parts of five days: 8 June, 16 July, and 7,8, and 9th of August 2001 (Appendix I).

I attempted to blacklight for moths in 2000 at the Pierce farm but the results were limited by untoward cold weather conditions. In 2001, I placed a standard (Bioquip) pail-type fluorescent blacklight at two sites for one night each at the Pierce