

# Mosquito Studies

## Light Trap Collection of Adults- Site Record

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During the summer of 2004, two CDC Miniature light traps were deployed in a number of sites in order to attempt to document the presence of adult mosquitoes. Traps were placed in a variety of sites either in conjunction with other studies or in response to reports of biting activity encountered in the field by research personnel

### UPPER SITE

A light trap was maintained at the confluence of the beaver pond (bog) and area IV environs near the point of departure for larval collection. Traps were activated in late afternoon and picked up early the following morning on the following dates: 30 June; 8, 12 and 27 July; 3, 18 and 25 August; 2, 14, 21 and 29 September.

Species numbers and dates of collection are as follows:

<i>Coquilletidia perturbans</i> (Walker)	12 July (3)
	28 July (6)
	3 August (22)
<i>Anopheles walkeri</i> Theobald	12 July (1)
	3 August (1)
	18 August (3)
	29 September (1)

### THAYER FARM

In response to Dr. T. Horvath's report of biting activity, a light trap was positioned at the Thayer Farm at a site about 30 yards northeast of the Interpretive Center. The trap was activated on 12 and 26 July.

Species numbers and dates of collection:

<i>Anopheles quadrimaculatus</i> Say	12 July (1)
<i>Coquilletidia perturbans</i> (Walker)	26 July (14)

### GOODYEAR SWAMP SANCTUARY

On 28 July, the light trap was removed from the Thayer site and positioned downhill from point 18 on the boundary trail at Goodyear Swamp Sanctuary. On 24

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August, it was re-located to a point just north of the end of the main walkway at water's edge. The trap was activated on 3, 10, 17, and 24 August.

Species number and dates of collection:

*Coquillettidia perturbans* (Walker) 4 August (1)  
*Anopheles quadrimaculatus* Say 24 September (1)

### SHADOW BROOK

On 25 August, the trap was removed from Goodyear Swamp Sanctuary and placed along Shadow Brook about 150 yards down stream from the Mill Road Bridge following reports from Matthew Albright of biting activity. The trap was repositioned at a point just south of the bridge near the equipment locker maintained at that site. The trap was activated on 1, 12, 20 and 28 September.

Species number and date of collection:

*Anopheles quadrimaculatus* Say 21 September (1)

### DISCUSSION

All species collected develop in permanent or long term semi-permanent water sources and are typical of the low level of development of populations of such species in the areas studied. Although commonly encountered, these species do not appear to occur in large numbers and are probably a minor component of local pest mosquito populations.