

# Mosquito Surveillance Report\*

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Period June 10-June 23, 1983

## Introduction

During the middle of June, the average rainfall was below average for most areas of New Jersey. Thunderstorms created localized flooding in some areas of southern New Jersey. The temperature was well above average for the week ending June 20, as shown in Table 2. The high temperatures resulted in increased activity of adult mosquitoes and drying of standing water in many areas.

## Salt Marsh Mosquitoes

The first large brood of Aedes sollicitans was on the wing during the second week of June. This brood caused considerable annoyance along the Atlantic Coast but was much less evident along the Delaware Bay. State airsprays were performed to control the adults of this brood. Populations of Aedes cantator remain fairly high along coastal areas of the state. This species is very annoying and will readily enter houses in search for a blood meal.

## Floodwater and Culex

The warm weather in the middle of June resulted in higher than average collections of Aedes vexans in nearly all areas of the State. The North Rural region was somewhat below average, but the results have not been received from all of the traps in that area, making comparisons with previous years quite difficult.

The Culex collections in the South Urban region were higher than the average over the past 5 years. These mosquitoes serve as the vectors of St. Louis encephalitis and will be monitored closely. The populations along the Delaware Bay and in the North Urban region were somewhat below average.

## Freshwater Swamp Mosquitoes

Populations of the permanent water mosquitoes such as Coquillettidia perturbans, Culiseta melanura, and Anopheles species are increasing in many areas of the State. Population levels of these species will increase through the summer.

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Table 1. Average Weekly Rainfall for the North, Central and South Areas of New Jersey.\*

<u>Week Ending</u>	<u>North</u>	<u>Central</u>	<u>South</u>
June 6	1.08	0.96	0.74
June 13	0.39	0.01	0.18
June 20	1.11	0.18	0.75

Table 2. Average departure from normal temperature for the North, Central and South areas of New Jersey.\*

<u>Week Ending</u>	<u>North</u>	<u>Central</u>	<u>South</u>
June 6	-3	-2	-2
June 13	-1	0	-1
June 20	+7	+6	+5

\* These data were gathered from 6-8 weather stations in each area and reported in the New Jersey Weekly Digest.

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Cooperating County Mosquito Control Agencies:

Atlantic	Middlesex
Bergen	Monmouth
Burlington	Morris
Camden	Ocean
Cape May	Passaic
Cumberland	Salem
Essex	Somerset
Gloucester	Sussex
Hudson	Union
Mercer	Warren

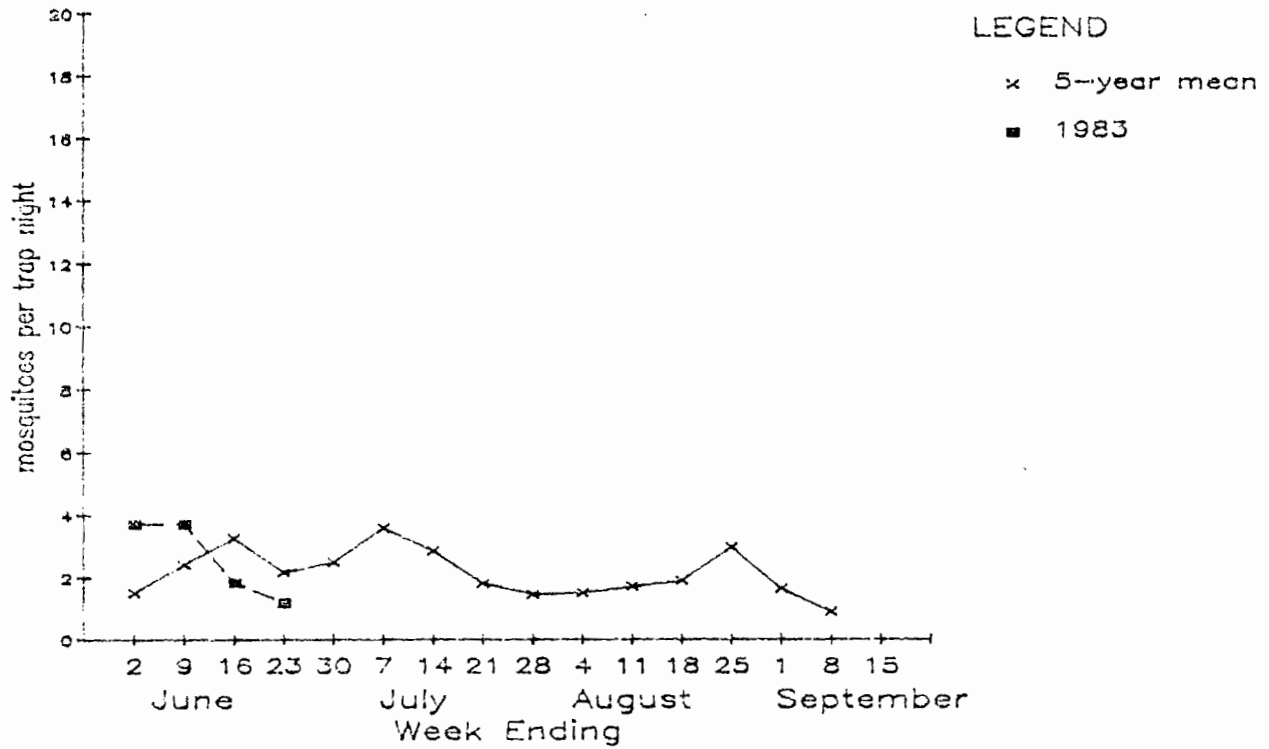
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James Caspari	Allen Koplin
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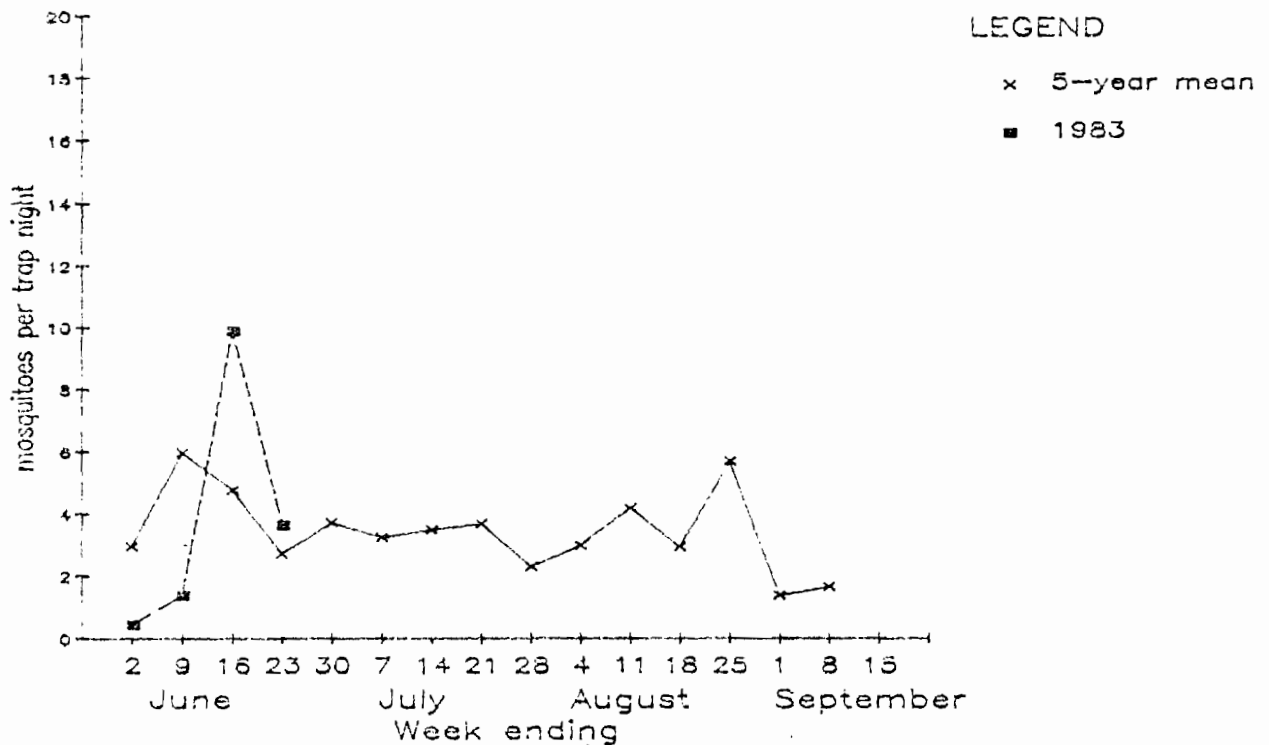
Region A  
North Rural

*Aedes vexans*



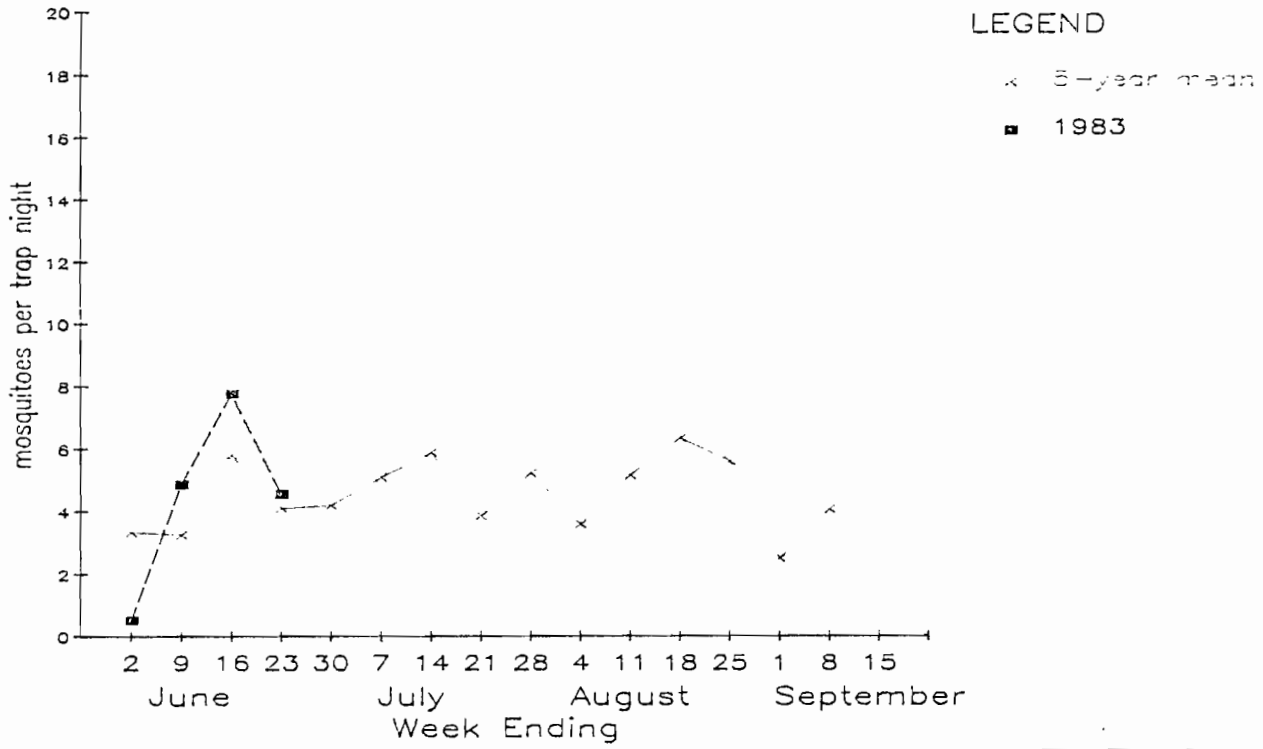
Region B  
Passaic Valley

*Aedes vexans*



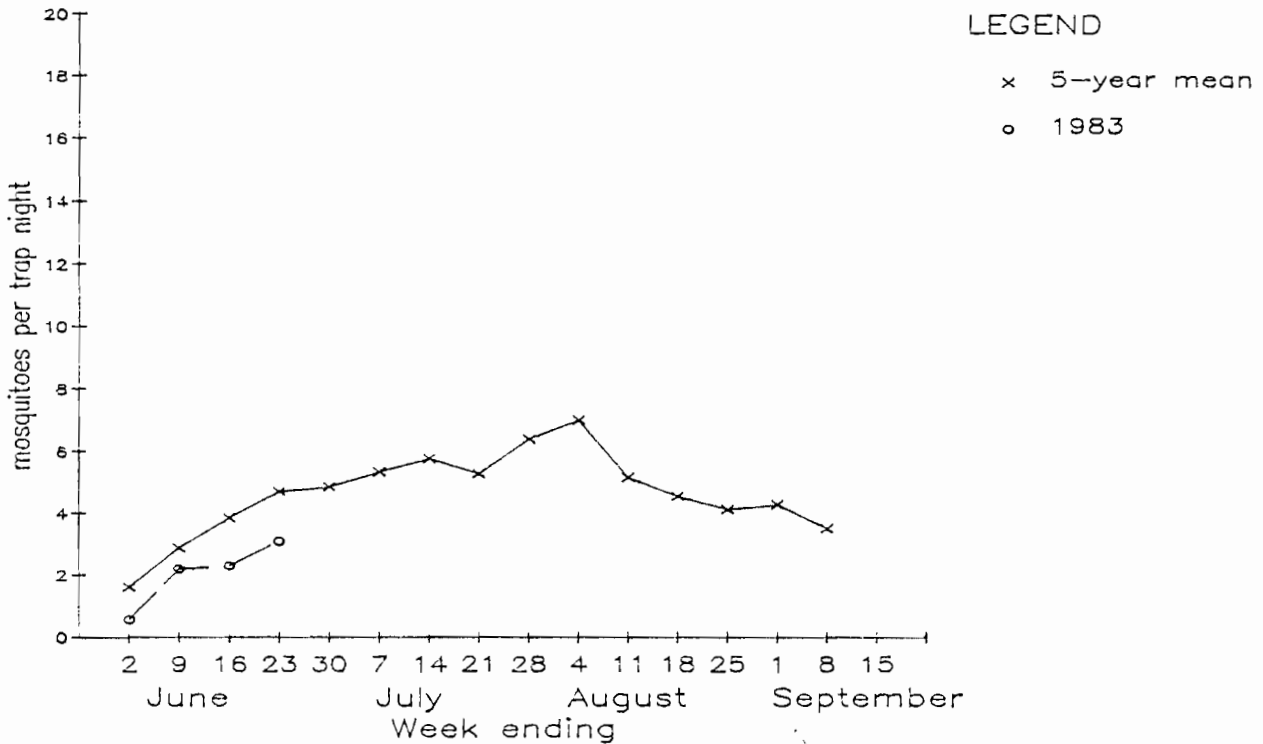
Region E  
South Urban

*Aedes vexans*



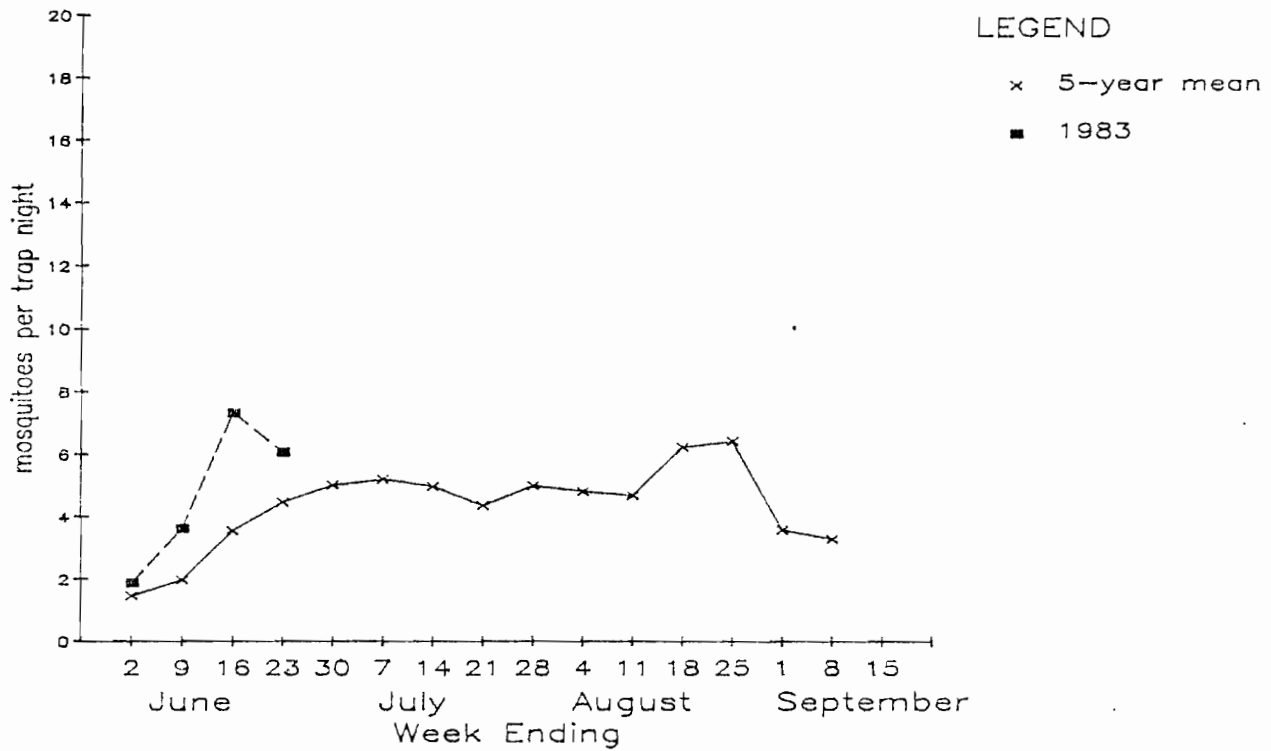
Region D  
North Urban

*Culex*



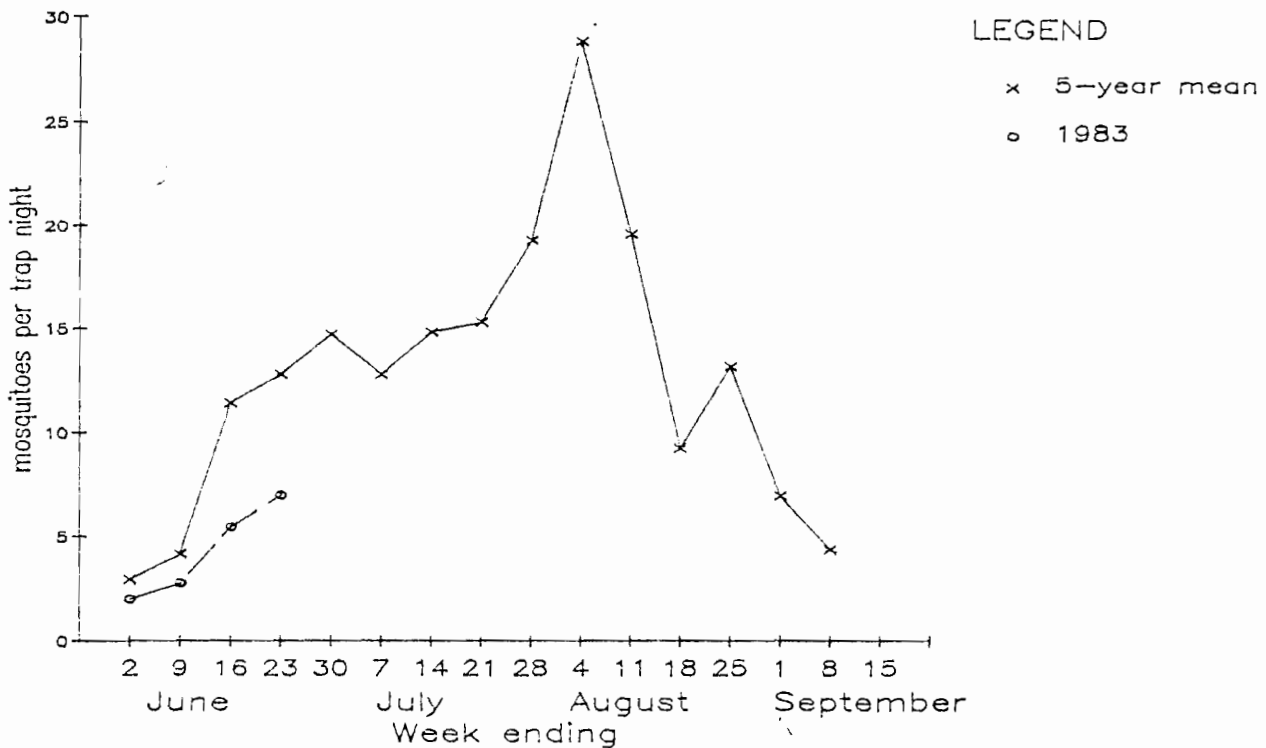
Region E  
South Urban

*Culex*



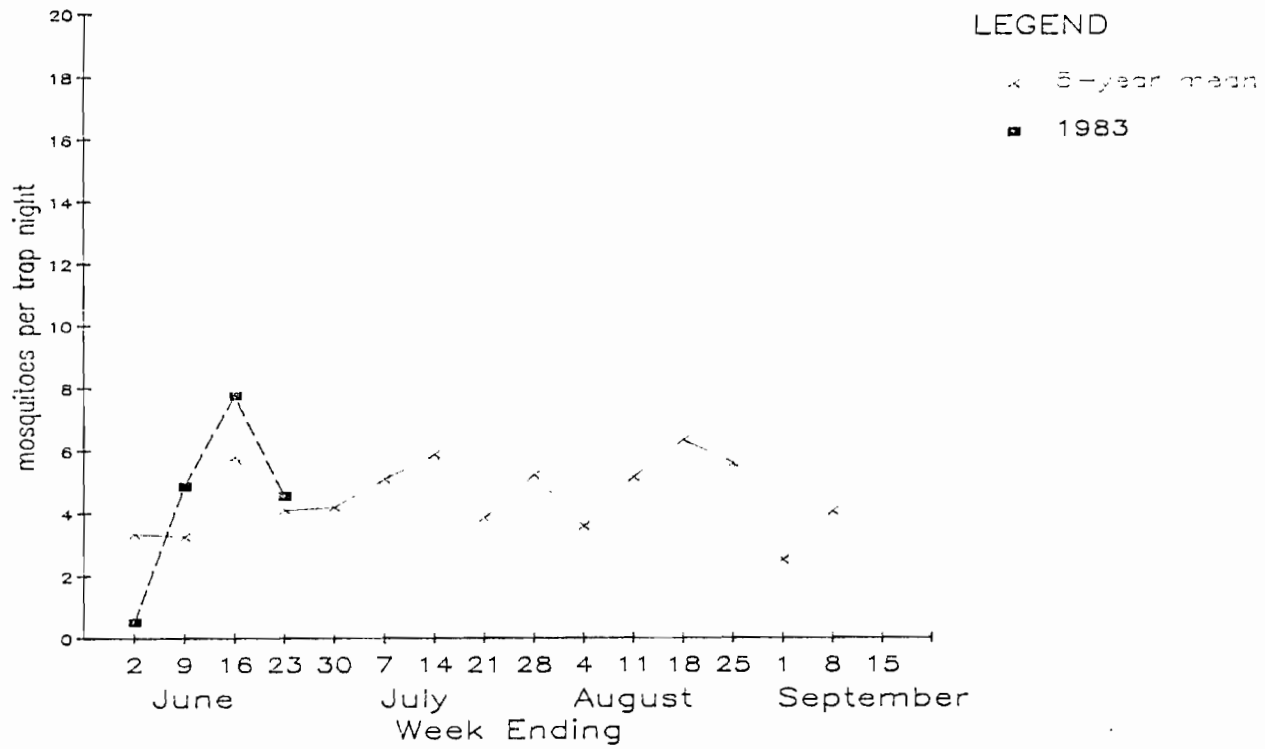
Region H  
Delaware Bay

*Culex*



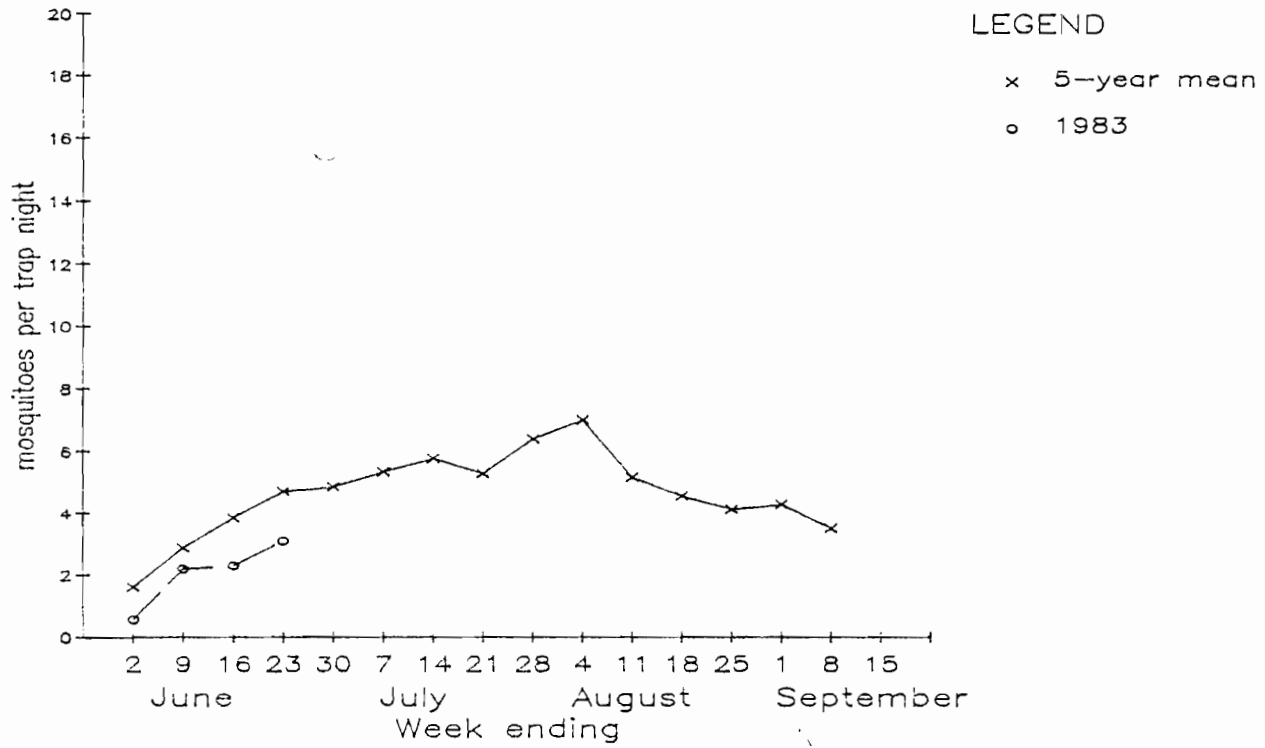
### Region E South Urban

*Aedes vexans*



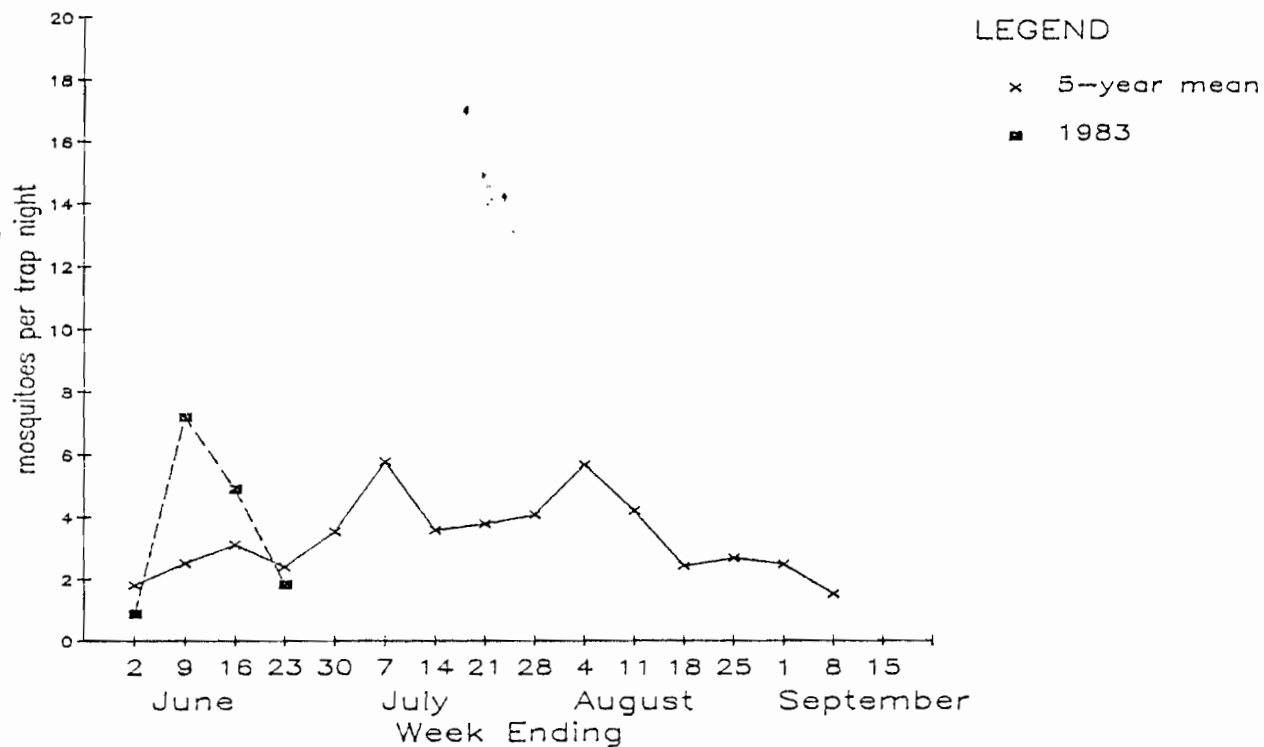
### Region D North Urban

*Culex*



Region G  
Atlantic Coast

*Aedes sollicitans*



Region H  
Delaware Bay

*Aedes sollicitans*

