

9:30 a.m.

Agenda Item: _____

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS**

WORKSHOP SUMMARY

Meeting Date: January 27, 2015

Department: Environmental Resources Management

I. EXECUTIVE BRIEF

Title: Mosquito Control Operations and Challenges

Summary: This workshop will provide an introduction to the integrated mosquito control program utilized in Palm Beach County. The staff presentation will include: a brief summary of mosquito control techniques used; surveillance activities employed to monitor mosquito populations; an overview of mosquito biology; a brief discussion of strategy and decision making behind helicopter and ground truck spraying; and the problem of container breeding on residential properties.

Background and Policy Issues: Mosquito Control was established as a Division within Palm Beach County government in 1941. The program is overseen and regulated by the Florida Department of Agriculture and Consumer Services. The Florida legislature declares in Chapter 388 F.S. that it is the public policy of this state to achieve and maintain such levels of arthropod control and protect human health and safety and foster the quality of life of the people, promote the economic development of the state and facilitate the enjoyment of its natural attractions by reducing the number of pestiferous and disease carrying arthropods.

Attachments:

1. PowerPoint Presentation
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Recommended by:



Department Director

8/29/14

Date

Approved by:



County Administrator

10/16/14

Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2015	2016	2017	2018	2019
Capital Expenditures	_____	_____	_____	_____	_____
Operating Costs	_____	_____	_____	_____	_____
External Revenues	_____	_____	_____	_____	_____
Program Income (County)	_____	_____	_____	_____	_____
In-Kind Match (County)	_____	_____	_____	_____	_____
NET FISCAL IMPACT	_____	_____	_____	_____	_____
# ADDITIONAL FTE POSITIONS (Cumulative)	_____	_____	_____	_____	_____
Is Item Included in Current Budget?	Yes _____		No _____		
Budget Account No.:	Fund _____	Department _____	Unit _____	Object _____	
	Program _____				

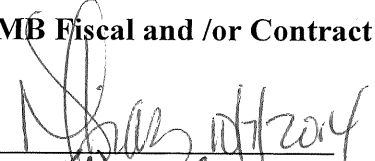

B. Recommended Sources of Funds/Summary of Fiscal Impact:

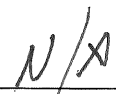
C. Department Fiscal Review:



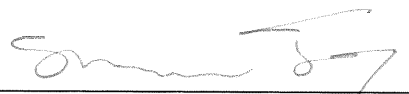
III. REVIEW COMMENTS

A. OFMB Fiscal and /or Contract Dev. and Control Comments:


 OFMB  10/6


 Contract Development and Control

B. Legal Sufficiency:

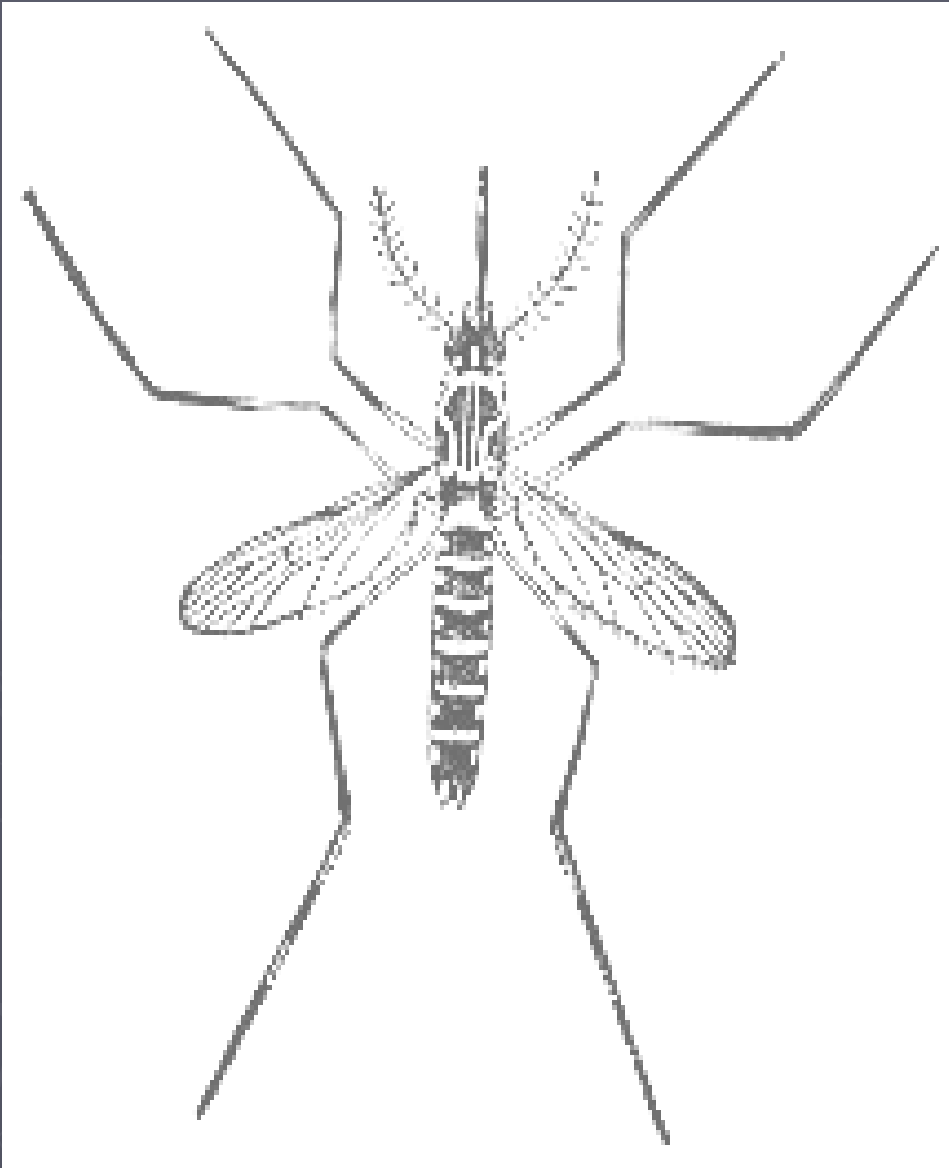

 Assistant County Attorney

C. Other Department Review:

 Department Director

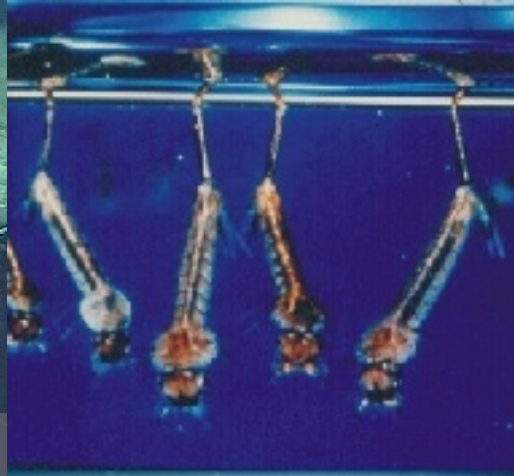
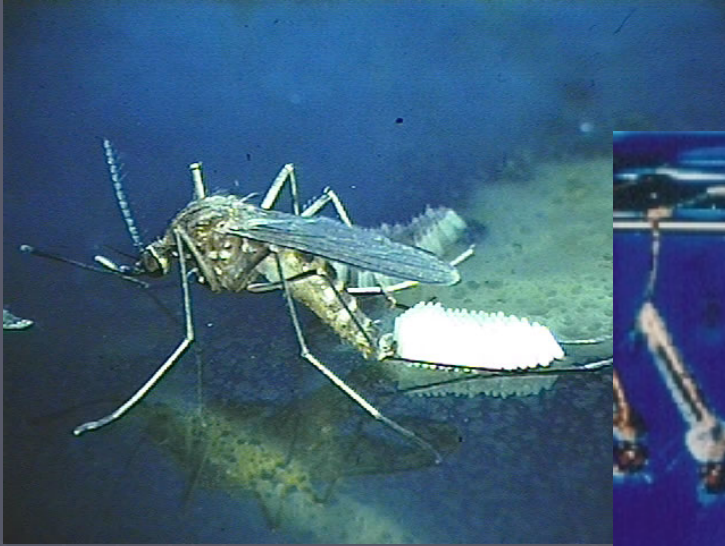


Palm Beach County Mosquito Control



- Monitor:
 - Light traps
 - Catch basins
- Treat:
 - Larvacide
 - Adulticide
- Educate:
 - Code/Health Compliance
 - Public contact

All Mosquitoes Require Standing Water to Complete Life Cycle











SENTINEL FLOCK #1
DO NOT DISTURB
ARBOVIRUS SURVEILLANCE
KEEP ANIMALS HEALTH CONTROL UNIT 801 000

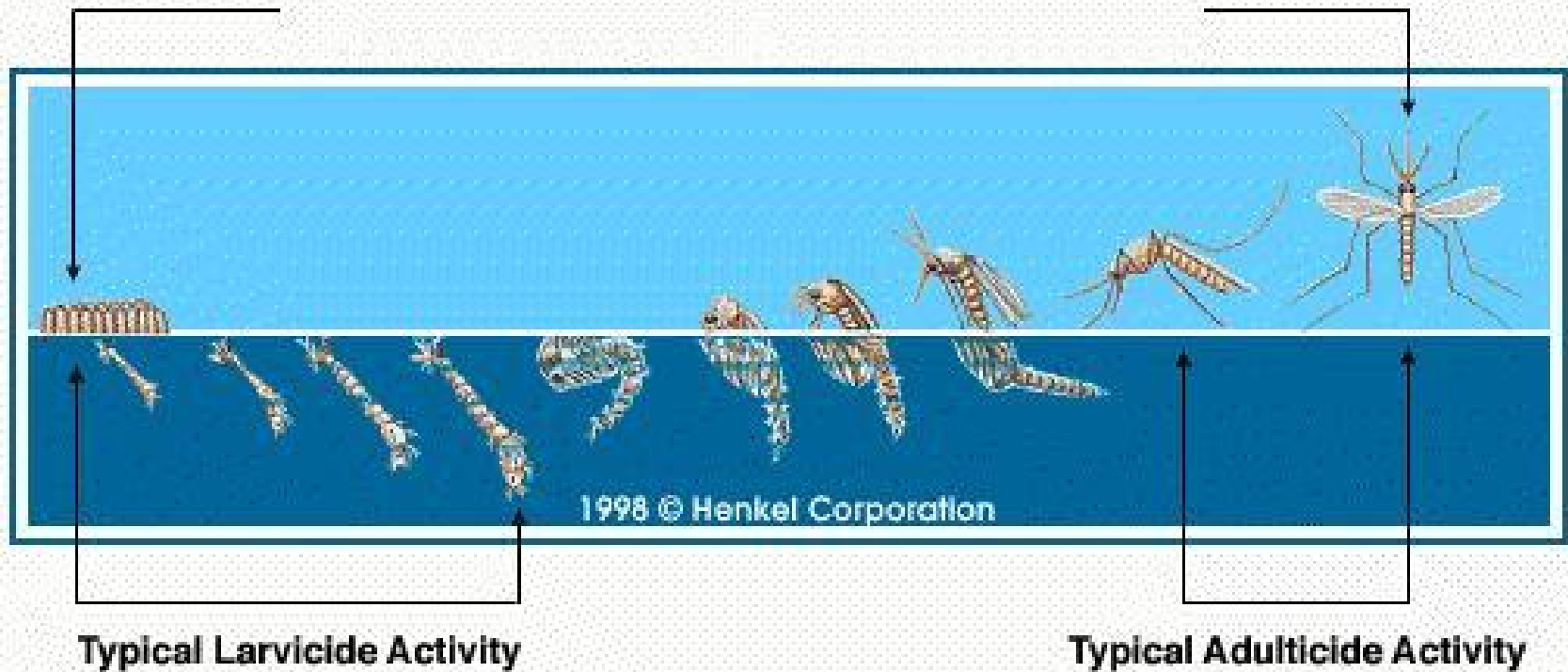




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Mosquito Control Strategies

MOSQUITO LIFE CYCLE



Larviciding is effective but expensive. Adulticiding is less effective but more targeted to regions where human contact occurs.





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SPEED
LIMIT
15

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Mosquito Control Lends A Hand



Mosquito Control Relies On Residents To Maintain Properties Free of Mosquito Sources



'Container mosquitoes' are day fliers. Source removal is the only means of controlling these nuisances.







