

# **RICHMOND COUNTY MOSQUITO CONTROL**

## ***INTEGRATED MOSQUITO MANAGEMENT PROGRAM***

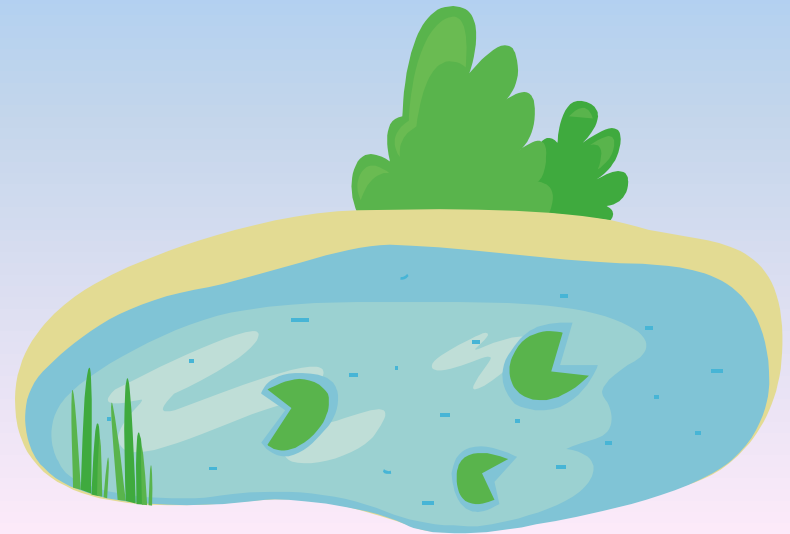
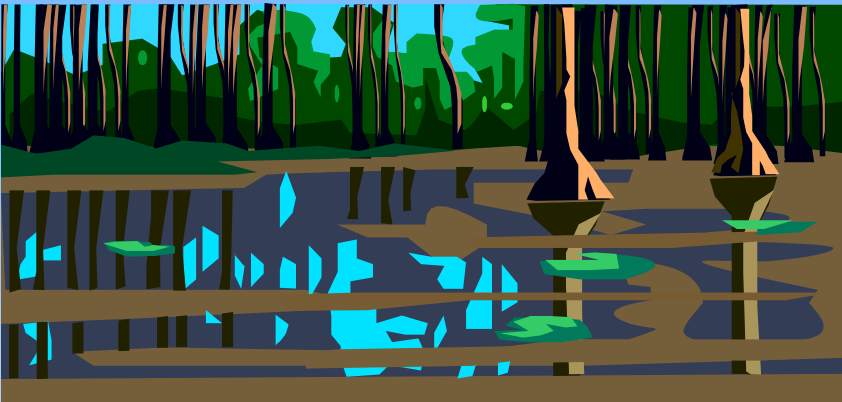
***Adopted January 2010***

***Full Implementation January 2011***

# ***Surveillance is the backbone of the IMM Program***

***VISUALLY CHECK FOR***

***Large scale larval habitats in rural areas***

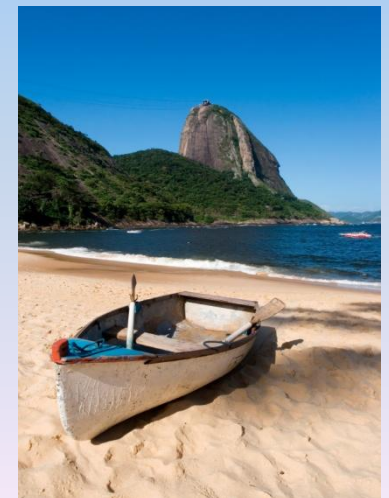


# ***Surveillance is the backbone of the IMM Program***

## ***VISUALLY CHECK FOR***



## ***Large scale larval habitats in Urban Areas***



# ***MOSQUITO POPULATION LEVELS***

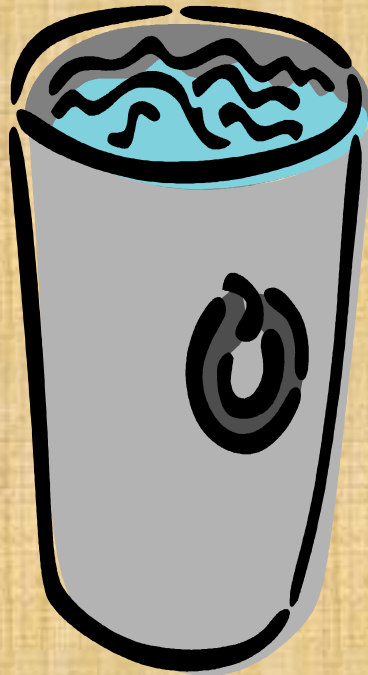
- ***ESTABLISHED BY:***
  - ***Landing rate counts***
  - ***Citizen complaints***
  - ***Trapping***
  - ***Prior history***

# ***PERIDOMESTIC MOSQUITOES***

- *Lay eggs in containers around human habitation*

*—Remove egg sites by:*

- *Source reduction*
- *Public education*



# ***MAPPING FOR MONITORING***

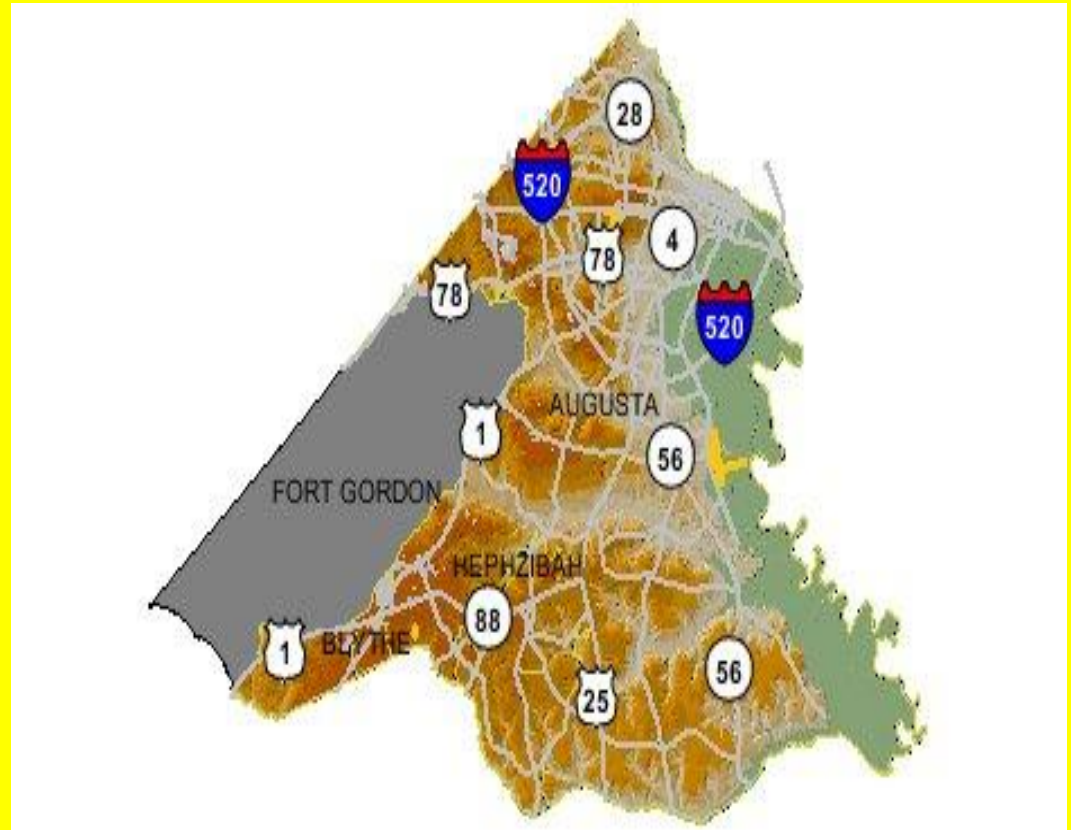
Continually  
monitor major  
sources of larval  
and adult  
mosquitoes





# ***MAPPING FOR BOUNDRIES***

Utilize GIS Mapping  
To establish spray  
Buffer zone for the  
Required 300 foot  
barrier from  
State waters



# WILLOW CREEK SUBDIVISION



1.	ARYAL ANUJ MANU (ROFS) 2304 Willow Creek Ct WILLOW CREEK (00100) 002-B	6.	BLACKSTOCK DAVID W 2541 Tupelo Dr WILLOW CREEK (00200) 001-A
2.	BERGMAN'S RESIDENTIAL PROPERTIES LLC 2507 Tupelo Dr WILLOW CREEK (00200) 018-A	7.	BOWLES RALPH M (JROFS) 2308 Middleton Ct WILLOW CREEK (00100) 006-C
3.	BERGMAN'S RESIDENTIAL PROPERTIES LLC 2505 Tupelo Dr WILLOW CREEK (00200) 019-A	8.	BROOKE ARTHUR L L V TR 2518 Tupelo Dr WILLOW CREEK (00200) 012-A
4.	BERGMAN'S RESIDENTIAL PROPERTIES LLC 2508 Tupelo Dr WILLOW CREEK (00200) 017-A	9.	BROWN WILLIAM D 2302 Willow Creek Ct WILLOW CREEK (00100) 001-B
5.	BERTING PHILIP 2403 Willow Creek Ct WILLOW CREEK (00100) 006-A	10.	BRYANT CLINT L 2505 Willow Ridge Dr WILLOW CREEK (00200) 007-C

*Disclaimer: While every effort is made to keep information provided over the internet accurate and up-to-date, Augusta does not verify the authenticity or accuracy of such information. No warranties, express or implied, are provided for the records and/or mapping data herein, or for their use or interpretation by the User.*

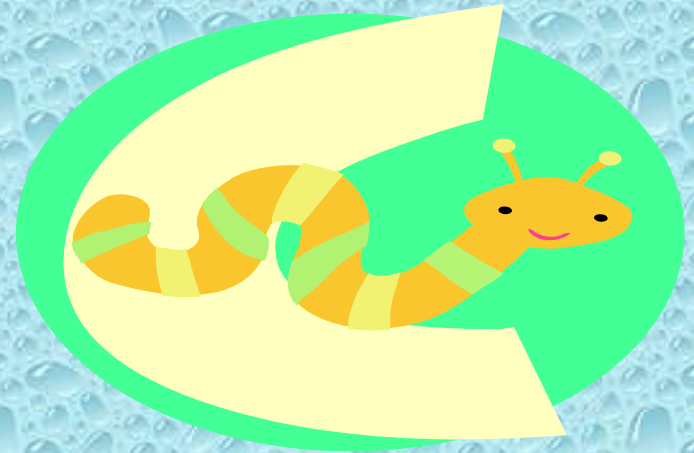
**Map Scale**  
1 inch = 265 feet

8/23/2011



# ***ACTION THRESHOLDS***

**LARVAE**



***One per Dip***

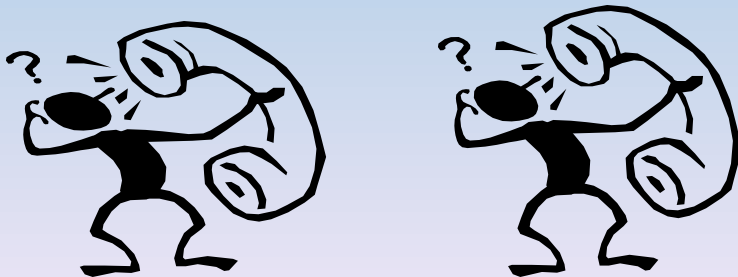
# ***ADULT ACTION THRESHOLD***

**2 Service Requests per block**

**History**

***2 Calls per block  
Or subdivision***

***Search the files***



# ***ADULT ACTION THRESHOLD***

**Landing Counts**



***5 per minute***

**Trapping**

***Any combination  
of 10***

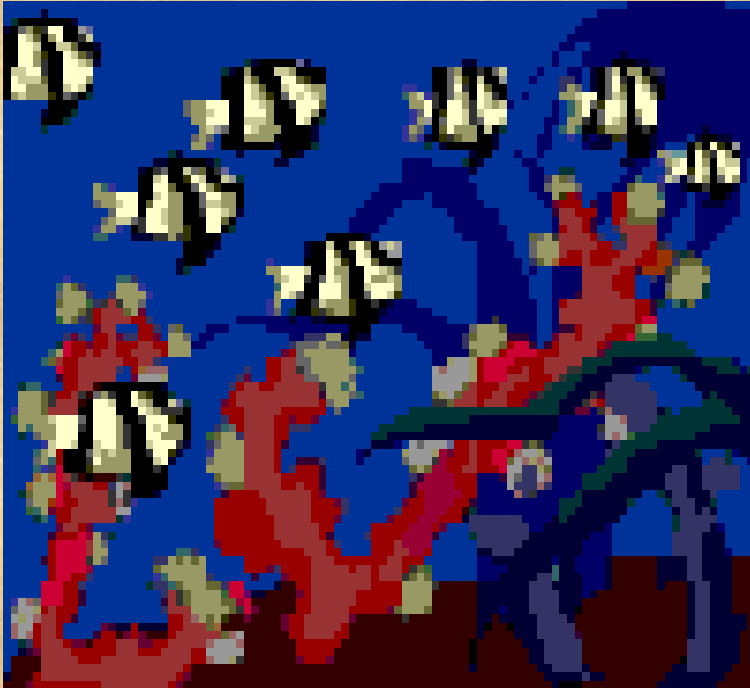


# ***SOURCE REDUCTION***

- Remove or modify egg laying sites
- Maintain contact with county agency responsible for ditches and impoundments
- Maintain familiarization with health nuisance abatement policy

# ***BIOLOGICAL CONTROLS***

***Mosquito Fish***



***Natural Predators***





***CHEMICAL CONTROL***

***THE LABEL IS THE LAW***

# ***LARVICIDES***

- ***VARIOUS FORMULATIONS***
- ***Microbial such as BTI or BS***
- ***Growth regulators such as Methoprene***
- ***Monomolecular films such as “Agnique”***

# ***ADULTICIDING***

- ***Adulticides are generally applied as:***
- ***Ultra Low Volume spray from a truck***
- ***Barrier spray***
- ***Thermal fog***

# **ADULTICIDING**

Surveillance will form the treatment plans for the target area

- ***ADULTICIDES should only be applied when:***
- ***Established thresholds have been exceeded***
- ***Target species is active***
- ***Wind & rain activity is at minimum***
- ***Outside the 300 foot buffer from state waters***

# ***ADULTICIDES***

- ***MUST*** be applied according to label specifications
- ***MUST*** be registered with the EPA



# ***ADULTICIDES***

- ***ADULTICIDES THAT WE USE:***
- ***Should be applied at label rates.***
- ***The equipment must be kept calibrated and maintained***

# ***MONITORING FOR EFFICACY/RESISTANCE***

- ***Apply*** at recommended rates being careful not to ***under dose***
- ***Surveillance*** should be done frequently to monitor control efficacy.

# ***PUBLIC EDUCATION PROGRAMS***

***Power Point Programs***



***Handouts***



# ***RECORD KEEPING***

***THE FOLLOWING INFORMATION IS  
THE MINIMUM REQUIRED***

# ***RECORD KEEPING***

- ***APPLICATORS*** name, address and license number
- ***APPLICATION*** date, time, temperature, wind speed and direction
- ***PRODUCT*** name and registration number
- ***LOCATION*** and size of the area treated
- ***AMOUNT*** of material applied
- ***APPLICATION*** rate
- ***EQUIPMENT*** maintenance and calibration logs



THANK YOU

