

# RICHMOND COUNTY MOSQUITO CONTROL

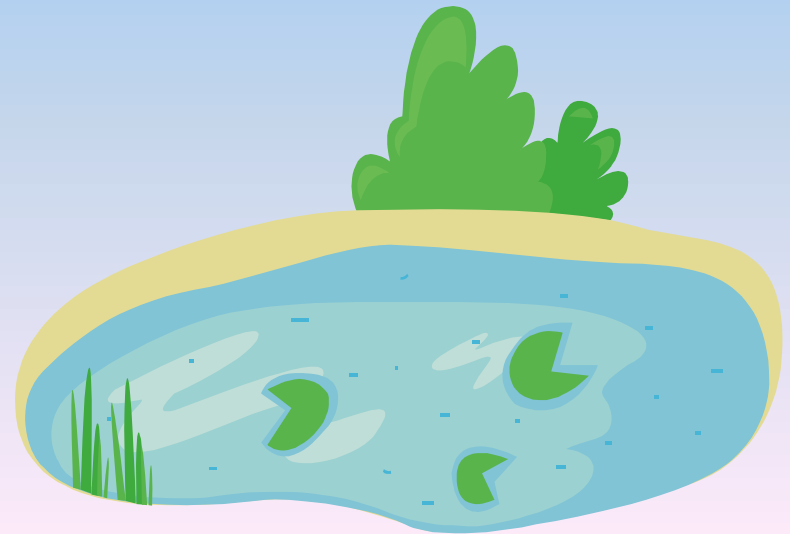
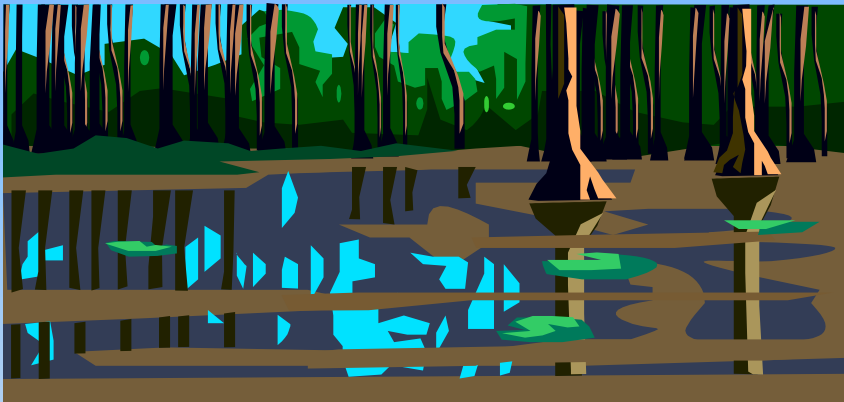
***NATIONAL POLLUTANT DISCHARGE  
ELIMINATION SYSTEM***

**FOLLOW UP REPORT**

# *Surveillance is the backbone of the NPDES Program*

***VISUALLY CHECK FOR***

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

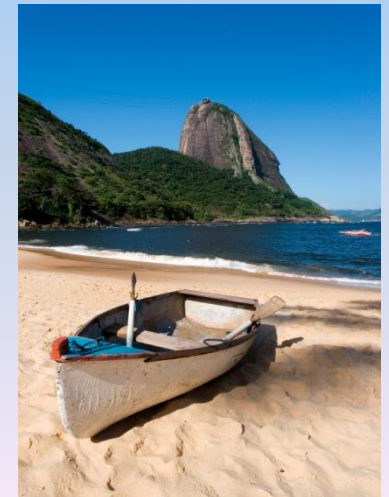


# *Surveillance is the backbone of the NPDES Program*

## **VISUALLY CHECK FOR**



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



# ***MOSQUITO POPULATION LEVELS***

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

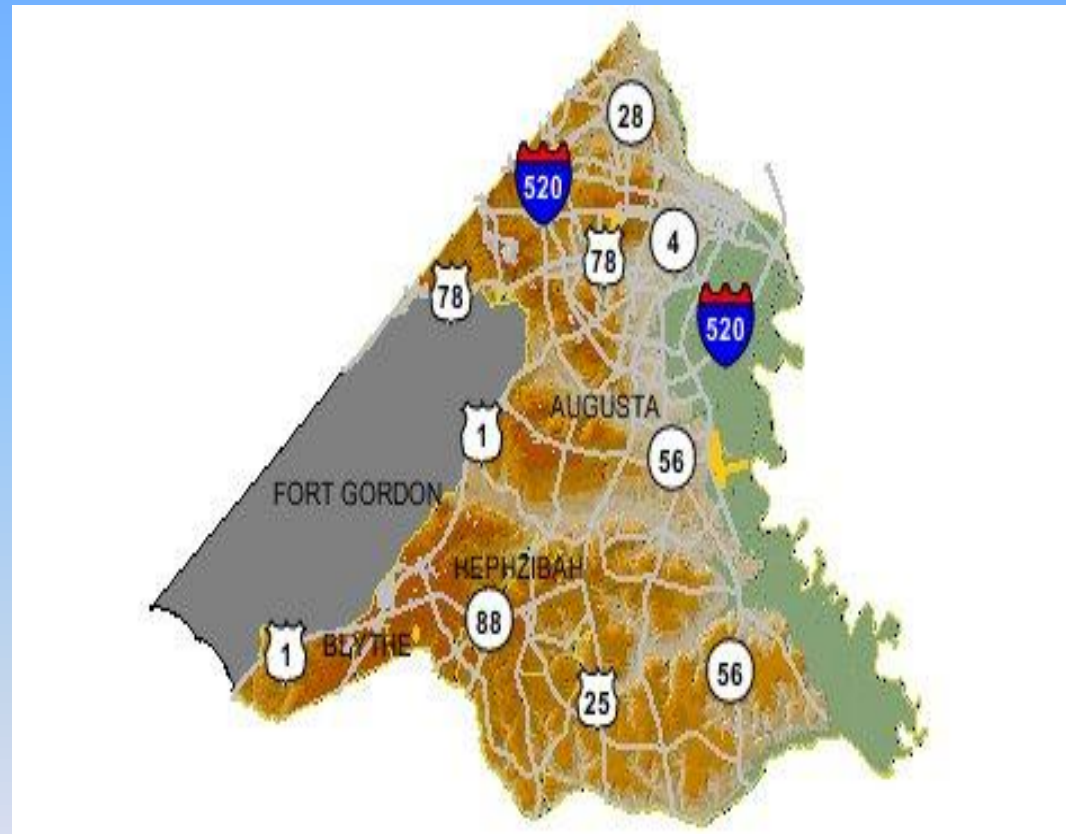
# ***MAPPING FOR MONITORING***

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



# WHY 300 FEET ?

100 FEET FOR LABLE

+

200 FEET FOR TRUCK SPRAY PATTERN

=

**300 FEET**

# WILLOW CREEK SUBDIVISION

Augusta-Richmond County



1.	ARYAL ANUJ MANI (R/OFS) 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.*

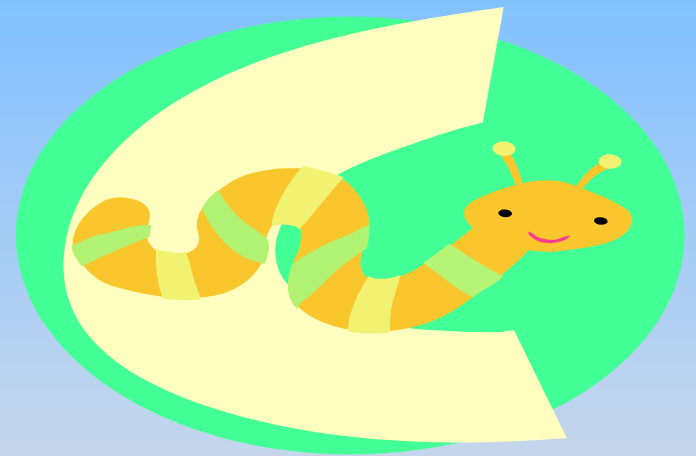
Map Scale  
1 inch = 265 feet

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***

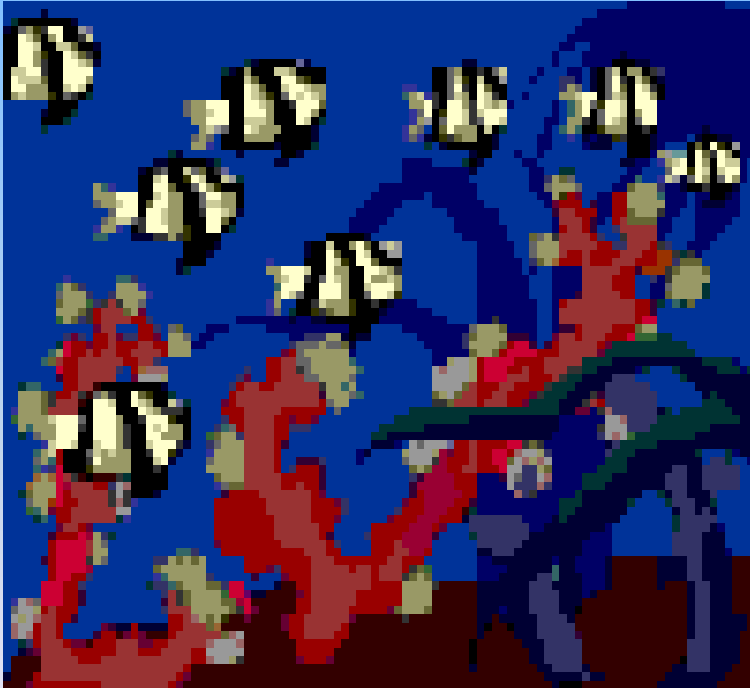


# ***SOURCE REDUCTION***

- *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”***

# ***LARVICIDES***

- ***MUST*** be applied at label rates and directions



# ***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:***
- ***Must 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***



***RADIO***

***NEWSPAPERS***

***TV PROGRAMS***

***TV NEWS***

# ***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



# ***MOSQUITO WORKERS SAFETY***

- *Mosquito workers must use approved methods of handling all chemicals to include*
  - *Eye protection or face shield*
  - *Breathing masks*
  - *Chemical proof gloves*
  - *And any other requirements set forth on the product label or MSDS sheet*

# ***SECURITY MEASURES***

- *Vehicles locked at all times when not in use*
- *All vehicles kept in the locked facility at 5098 Mike Padgett Hwy when not in use by Mosquito Workers.*

# ***SECURITY MEASURES***

- *Keys and Fuel Man cards must be removed from the vehicles when not in use*
- *Gates to 5098 MP must be kept locked when workers are not present*

# MY IMPRESSIONS

I LIKE IT

BECAUSE

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- IT FORCES US TO DO THE RIGHT THING

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- IT FORCES US TO DO THE RIGHT THING
- MORE ONE ON ONE EDUCATION WITH CITIZENS
- BETTER PLANNING AND EXECUTION
- BETTER USE OF MANPOWER & RESOURCES



2012

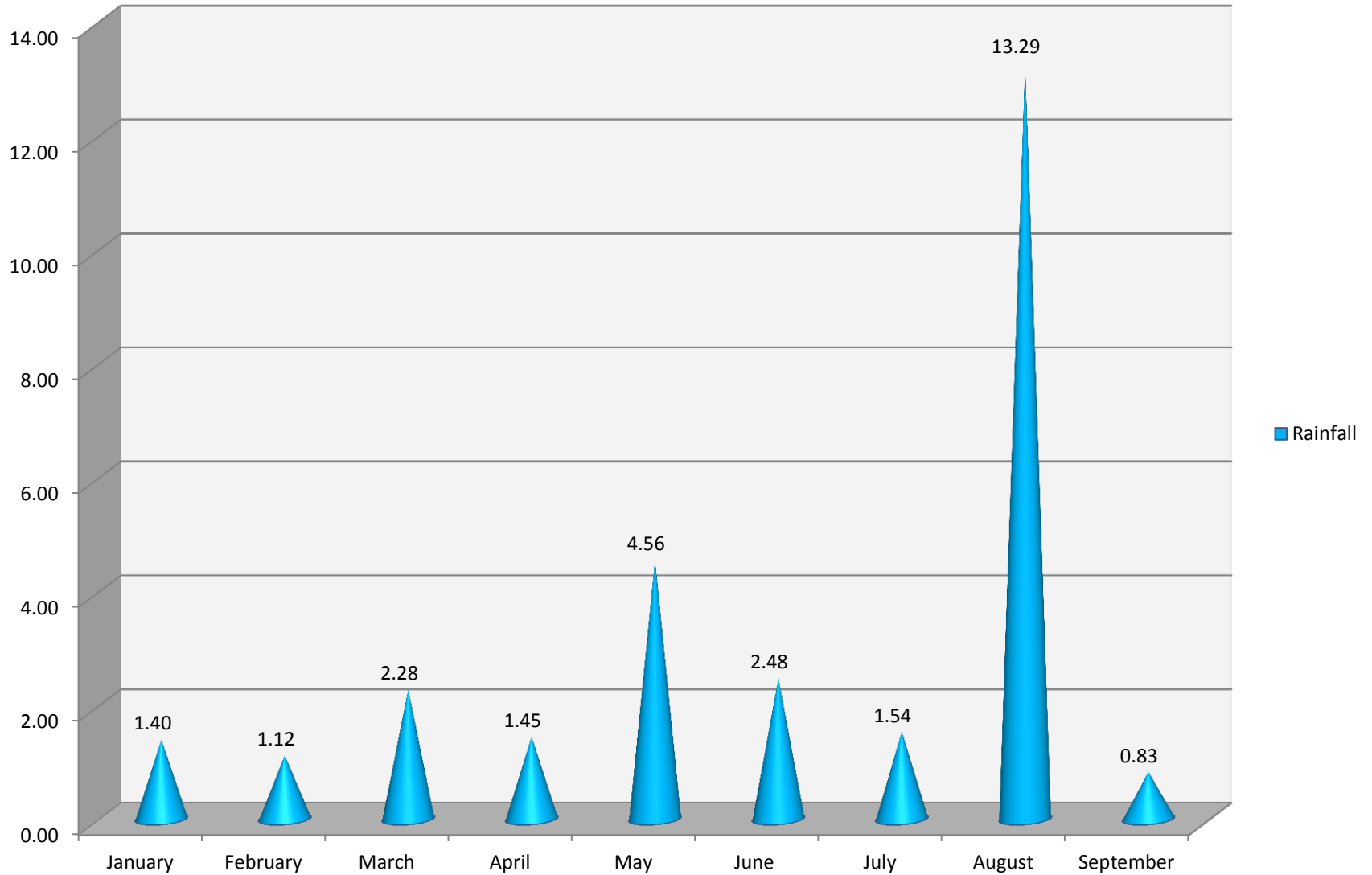
TO SAY THAT 2012 WAS

**AN UNUSUAL YEAR**

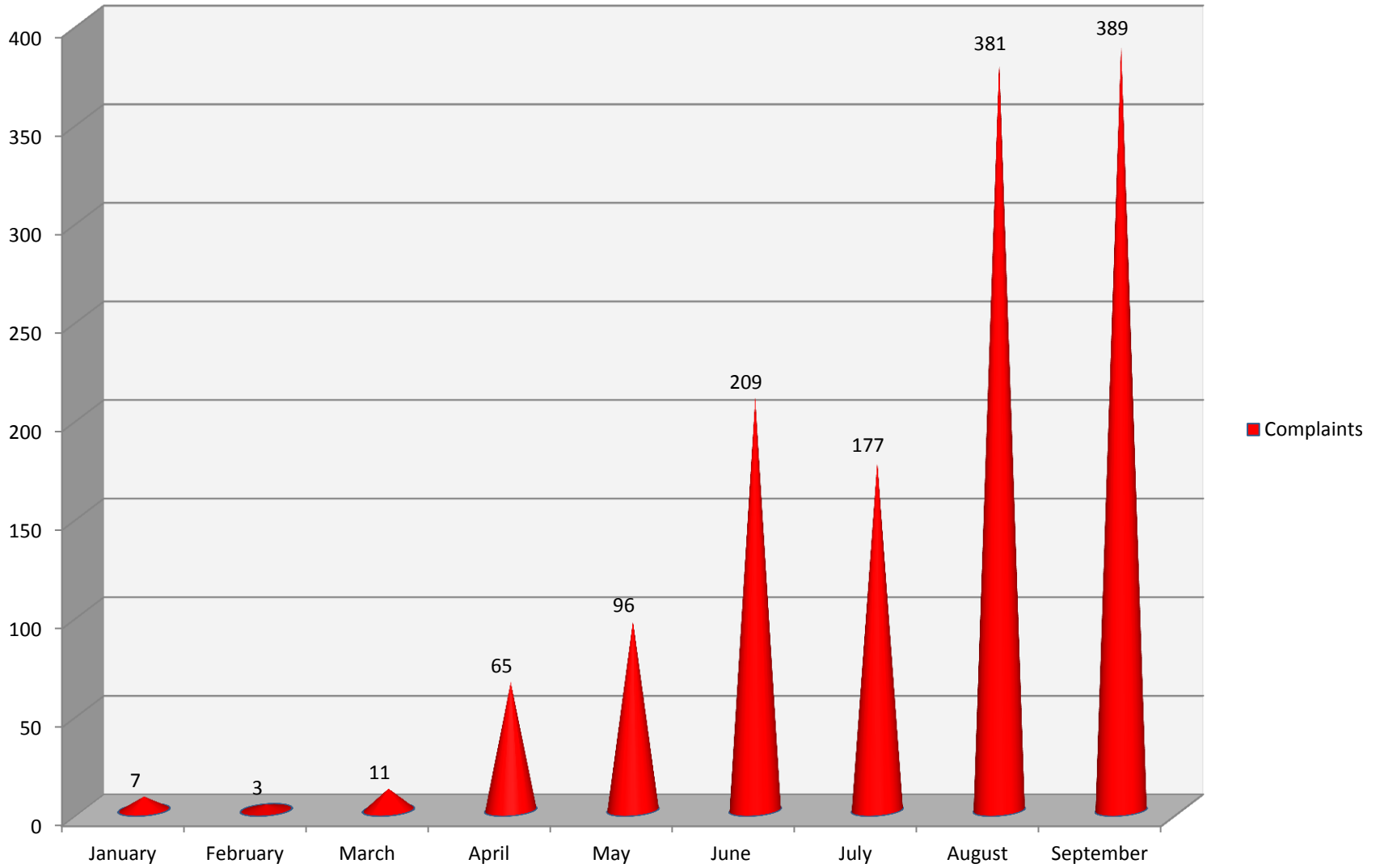
WOULD BE AN

UNDERSTATEMENT

# Rainfall In Augusta for 2012



# Mosquito Control Complaints For 2012



# TOTAL COMPLAINTS 2012

1,425

2011=512

# ***QUESTIONS***

????????????

THANK YOU

