



Vector Disease Control, Inc.

Mosquito Surveillance and Control Report

for the

**City of Jonesboro**

**September/October 2012**

**Year End 2012**

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## ***City of Jonesboro Activity Report***

**September/October 2012**

Vector Disease Control, Inc. (VDCI) provides a proven, scientific approach to mosquito control for the city of Jonesboro. VDCI's operations include larval and adult mosquito surveillance followed by the application of larvicides and adulticides. In addition, our office responds to service requests from the public.

### **Mosquito Surveillance**

VDCI has utilized a total of thirteen (13) New Jersey light traps placed in residential and recreational areas throughout Jonesboro during this reporting period. These traps collected an average of 8.65 mosquitoes per trap night (423 total mosquitoes) during this time. There have been a total of 2 mosquito species collected, with *Anopheles quadrimaculatus* being the most predominant species.

### **Larval Control Activity**

Permanent water, flood water, artificial containers, and drainage system sites are inspected for larval mosquito breeding on a regular basis. In total, 9 site inspections found the presence of mosquito larvae. As a result of these inspections a total of 6.75 pounds of Aquabac 200G was applied to these mosquito breeding sites. Additionally, VDCI is continuing to eliminate breeding habitats for artificial container mosquitoes by targeting bird baths, buckets, tires, etc.



## **Adult Mosquito Control Activity**

In response to community events and mosquito surveillance data, VDCI applied the adulticide Evolour 30-30 on 18 truck nights for this reporting period. All adulticide ULV applications were made with truck-mounted ULV units equipped with GPS-enabled monitors. During this report period, a total of 552.30 spray miles (20,021.00 acres) was treated with a total of 109 gallons of adulticide in residential and recreational areas. In addition to routine truck spraying, VDCI has responded to 26 service requests and adulticided for all parks and any special events, including softball and soccer tournaments, throughout the month.

## **Summary**

During this reporting period, VDCI has continued to provide exceptional control of larval and adult mosquito populations. VDCI will remain diligent in our surveillance and control activities to prevent a significant increase in the mosquito population. Based on recent weather conditions VDCI expects the trend of routine adulticiding and larviciding to continue. However, if VDCI detects a significant rise in the mosquito population we will increase larval and adult control. As always, VDCI welcomes residents with any mosquito-related questions or concerns to contact VDCI's Jonesboro office directly at 870.933.6939.

We appreciate the opportunity to provide the abatement program for the city of Jonesboro and look forward to serving the city in the future.



### Year-end Totals: 2012

#### Adulticiding-

Total chemical sprayed: 775.00 gallons

Total nights sprayed: 72

Total miles treated: 5,145.63(actual miles)

Total acres treated: 181,159.38

Service Request Total: 323

#### Larviciding-

Total larvicide used: 22.77 pounds

Total inspection sites treated: 83

#### Light Trap Surveillance-

Total mosquitoes collected: 4913.00

Total nightly average: 11.76

Total species collected: 7