



Vector Disease Control, Inc.

Mosquito Surveillance and Control Report

for the

**City of Jonesboro**

**May 2013**

2221 N. Church St. Jonesboro, AR 72401

T-870.933.6939 F- 870.933.0122

[www.vdci.net](http://www.vdci.net)





## **City of Jonesboro Activity Report**

**May 2013**

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**

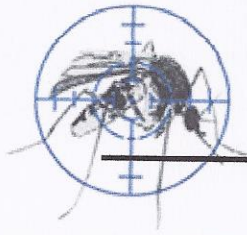
VDCI has utilized a total of thirteen (13) New Jersey light traps placed in residential and recreational areas throughout Jonesboro during this reporting period. These traps collected an average of 3.8 mosquitoes per trap night (135 total mosquitoes) during this time. There have been a total of 1 mosquito species collected, with *Aedes vexans* 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, 26 site inspections found the presence of mosquito larvae. As a result of these inspections 23.1 ounces of the larvicide 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.

*Report***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.



# Adult Mosquito Surveillance Report

Start Date: 5/1/2013

End Date: 5/31/2013

Jonesboro

Trap Location	Date Trap Set	Trap Type	Mosquito Species	No. Collected
<b>Treatment Area 1 Collections</b>				
Ouschita	5/17/2013	NJ Light Trap	<i>Aedes vexans</i>	2
				<b>Trap Total</b> 2 (Avg. 2)
Shady Lane	5/9/2013	NJ Light Trap	<i>Aedes vexans</i>	3
			<i>Aedes vexans</i>	3
Shady Lane	5/14/2013	NJ Light Trap	No Mosquitoes	0
			No Mosquitoes	0
Shady Lane	5/30/2013	NJ Light Trap	<i>Aedes vexans</i>	5
				<b>Trap Total</b> 11 (Avg. 3.7)
Sugar Ridge	5/9/2013	NJ Light Trap	<i>Aedes vexans</i>	0
Sugar Ridge	5/30/2013	NJ Light Trap	<i>Aedes vexans</i>	3
				<b>Trap Total</b> 3 (Avg. 1.5)
SugarRidge	5/14/2013	NJ Light Trap	No Mosquitoes	0
				<b>Trap Total</b> 0 (Avg. 0)
<b>Treatment Area 2 Collections</b>				
Air Park Rd.	5/17/2013	NJ Light Trap	<i>Aedes vexans</i>	2
				<b>Trap Total</b> 2 (Avg. 2)
Dodd	5/17/2013	NJ Light Trap	<i>Aedes vexans</i>	7
				<b>Trap Total</b> 7 (Avg. 7)
Straw Floor	5/9/2013	NJ Light Trap	<i>Aedes vexans</i>	1
			<i>Aedes vexans</i>	1
Straw Floor	5/14/2013	NJ Light Trap	<i>Aedes vexans</i>	1
Straw Floor	5/30/2013	NJ Light Trap	<i>Aedes vexans</i>	6
				<b>Trap Total</b> 9 (Avg. 3)
wise	5/8/2013	NJ Light Trap	<i>Aedes vexans</i>	0
				<b>Trap Total</b> 0 (Avg. 0)
wynnewood	5/17/2013	NJ Light Trap	<i>Aedes vexans</i>	2
				<b>Trap Total</b> 2 (Avg. 2)

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Trap Location	Date Trap Set	Trap Type	Mosquito Species	No. Collected
<b>Treatment Area 3 Collections</b>				
Ridge Point	5/30/2013	NJ Light Trap	<i>Aedes vexans</i>	6
				<b>Trap Total</b> 6 (Avg. 6)
Ridge Pointe	5/14/2013	NJ Light Trap	No Mosquitoes	0
				<b>Trap Total</b> 0 (Avg. 0)
<b>Treatment Area 4 Collections</b>				
Part Ridge	5/30/2013	NJ Light Trap	<i>Aedes vexans</i>	9
				<b>Trap Total</b> 9 (Avg. 9)
Partridge	5/14/2013	NJ Light Trap	<i>Aedes vexans</i>	1
				<b>Trap Total</b> 1 (Avg. 1)
<b>Treatment Area 5 Collections</b>				
Derby Dr.	5/14/2013	NJ Light Trap	No Mosquitoes	0
				<b>Trap Total</b> 0 (Avg. 0)
Frog Pond	5/14/2013	NJ Light Trap	<i>Aedes vexans</i>	1
Frog Pond	5/30/2013	NJ Light Trap	<i>Aedes vexans</i>	8
				<b>Trap Total</b> 9 (Avg. 4.5)
<b>Treatment Area 6 Collections</b>				
Oak Hill	5/9/2013	NJ Light Trap	<i>Aedes vexans</i>	1
				<b>Trap Total</b> 1 (Avg. 1)
Oakhill	5/14/2013	NJ Light Trap	<i>Aedes vexans</i>	3
Oakhill	5/30/2013	NJ Light Trap	<i>Aedes vexans</i>	10
				<b>Trap Total</b> 13 (Avg. 6.5)
Pleasant	5/30/2013	NJ Light Trap	<i>Aedes vexans</i>	15
				<b>Trap Total</b> 15 (Avg. 15)
Pleasant View	5/9/2013	NJ Light Trap	<i>Aedes vexans</i>	1
Pleasant View	5/14/2013	NJ Light Trap	<i>Aedes vexans</i>	5
				<b>Trap Total</b> 6 (Avg. 3)
<b>Treatment Area 8 Collections</b>				
Briarcrest	5/14/2013	NJ Light Trap	No Mosquitoes	0
Briarcrest	5/30/2013	NJ Light Trap	<i>Aedes vexans</i>	2
				<b>Trap Total</b> 2 (Avg. 1)

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Trap Location	Date Trap Set	Trap Type	Mosquito Species	No. Collected
Matthews	5/9/2013	NJ Light Trap	<i>Aedes vexans</i>	0
Matthews	5/30/2013	NJ Light Trap	<i>Aedes vexans</i>	16
<b>Trap Total</b>				16 (Avg. 8)

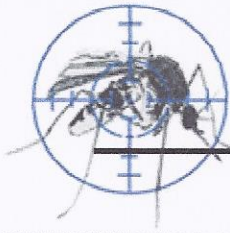
**Treatment Area 9 Collections**

Cottage Home Rd	5/30/2013	NJ Light Trap	<i>Aedes vexans</i>	4
<b>Trap Total</b>				4 (Avg. 4)
Cottage Home Rd.	5/14/2013	NJ Light Trap	<i>Aedes vexans</i>	1
<b>Trap Total</b>				1 (Avg. 1)

**Treatment Area 10 Collections**

Quail Ridge	5/14/2013	NJ Light Trap	No Mosquitoes	0
Quail Ridge	5/30/2013	NJ Light Trap	<i>Aedes vexans</i>	8
<b>Trap Total</b>				8 (Avg. 4)

<b>Overall Trap Total</b>	127
<b>Overall Trap Average</b>	3.6



# Larval Surveillance Data

Start Date: 5/1/2013

End Date: 5/31/2013

## Jonesboro

Date	Location	Habitat	No. Dipped	Larvicided	Mosquito Species	No. ID'd
<b>Treatment Area Sites Inspected</b>						
5/23/2013	Cain St.	Ditch	0	No		
<b>Total Sites Inspected in Zone : 1</b>						
<b>Treatment Area 1 Sites Inspected</b>						
5/8/2013	Johnson Ave.	Ditch	1-10	No		
	Johnson Ave.	Ditch	1-10	No		
	Johnson ave.	Ditch	1-10	Yes		
5/20/2013	2902 Southwood Dr.	Ditch	0	No		
	4309 Clubhouse Rd.	Ditch	0	No		
<b>Total Sites Inspected in Zone 1: 5</b>						
<b>Treatment Area 2 Sites Inspected</b>						
5/30/2013	1700 Dupwe		0	No		
	1914 Rosemond	Ditch	1-10	Yes		
<b>Total Sites Inspected in Zone 2: 2</b>						
<b>Treatment Area 5 Sites Inspected</b>						
5/24/2013	3300 Horse shoe Tr.	Ditch	10	Yes		
	3312 Leatherwood Dr.	Culbert	1	Yes		
	4217 Richardson Rd.	Ditch	1	Yes		
	5310 Trammel	Ditch	1	Yes		
	Frog Pond & Trammel dr.	Ditch	5	Yes		
<b>Total Sites Inspected in Zone 5: 5</b>						
<b>Treatment Area 6 Sites Inspected</b>						
5/20/2013	4317 Peachtree	Ditch	0	No		
	Jones Rd.	Ditch	0	No		
<b>Total Sites Inspected in Zone 6: 2</b>						

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Date	Location	Habitat	No. Dipped	Larvicided	Mosquito Species	No. ID'd
<b>Treatment Area 8 Sites Inspected</b>						
5/22/2013	1007 Lakeshore Dr.	Pond	0	No		
	1100 E. Matthews	Ditch	0	No		
	Halton St.	Ditch	0	No		
	Steele	Ditch	0	No		
	Wilkins	Ditch	0	No		
5/23/2013	.Greenbriar	Ditch	0	No		
	1603 S. Matthews Ave.	Ditch	0	No		
5/30/2013	Creath Ave.	Truck Tracks	0	No		
<b>Total Sites Inspected in Zone 8: 8</b>						
<b>Treatment Area 10 Sites Inspected</b>						
5/8/2013	Gee St.	Standing Water	2	Yes		
	Gee St.	Standing Water	2	Yes		
	Gee St.	Standing water	1-10	No		
<b>Total Sites Inspected in Zone 10: 3</b>						
<b>Treatment Area 11 Sites Inspected</b>						
5/23/2013	Airport	Ditch	0	No		
<b>Total Sites Inspected in Zone 11: 1</b>						





## Summary of Service Requests

Start Date: 5/1/2013

End Date: 5/31/2013

**Jonesboro**

Month	Municipality	Treatment Area	Total Calls	Total Inspected	Disposition Totals	Total Sites with Mosquitoes	Total Amount of Larvicide Applied	Total Amount of Adulticide Applied
May 2013			0	1				
					No Action Required: 0	Eggs: 0	0.00 oz	0.0 oz
					Emptied Containers: 0	Larvae: 0		
					Biological Control: 0	Pupae: 0		
					Larvicided: 1	Adults: 0		
					Adulticided: 0			
					Needed to Return: 0			
<b>Overall Totals:</b>			<b>1</b>	<b>0</b>			<b>0.00 oz</b>	<b>0.0 oz</b>
					NA: 0	LV: 1		
					EC: 0	AT: 0		
					BC: 0	NR: 0		

**Vector Disease Control International**

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# Service Request Adulticide Applications

Start Date: 5/1/2013

End Date: 5/31/2013

## Jonesboro

Date	Location	Chemical	Mix Ratio	Amount Applied	Area Treated
<b>Treatment Area 0 Applications</b>					
5/6/2013	1819 Metzler Lane			0.0	0.00 acres
				<i>Total Applied:</i>	0.0
				(0.0 gals)	0.00 acres
				<i>Grand Totals</i>	0.0
				(0.0 gals)	0.00 acres

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# Service Request Larvicide Applications

Start Date: 5/1/2013

End Date: 5/31/2013

## Jonesboro

Date	Location	Habitat	Larvicide	Amount Applied (ounces)	Area Treated (sq ft)
<b>Treatment Area 0 Applications</b>					
5/7/2013	1819 Metzler Lane	Pool	Altosid XR Ingots (2724-421)	0.00	0.0
<i>Total Altosid XR Ingots Applied:</i>				0.00	0.0 0.0 acres
<i>Total Larvicide Applied in Zone 0:</i>				0.00	0.0 0.0 acres
<i>Overall Total Ounces Applied</i>				0.00	0.0 0.0 acres

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# Larvicide Applications

Start Date: 5/1/2013

End Date: 5/31/2013

## Jonesboro

Date	Location	Habitat	No. of Larvae	Larvicide	Amount Applied (oz.)	Area Treated (sq ft)	
<b>Treatment Area 1 Applications</b>							
5/8/2013	Johnson ave.	Ditch	1-10	Aquabac 200G (62637-3)	4.0	300.0	
					<b>Total Ounces Applied:</b>	4.0	300.0
						0.0 acres	
					<b>Total Larvicide Applied in Zone 1:</b>	4.0	300.0
						0.0 acres	
<b>Treatment Area 2 Applications</b>							
5/30/2013	1914 Rosemond	Ditch	1-10	Aquabac 200G (62637-3)	1.0	272.3	
					<b>Total Ounces Applied:</b>	1.0	272.3
						0.0 acres	
					<b>Total Larvicide Applied in Zone 2:</b>	1.0	272.3
						0.0 acres	
<b>Treatment Area 5 Applications</b>							
5/24/2013	3300 Horse shoe Tr.	Ditch	10	Aquabac 200G (62637-3)	4.0	1,089.0	
	3312 Leatherwood Dr.	Culbert	1	Aquabac 200G (62637-3)	2.0	544.5	
	4217 Richardson Rd.	Ditch	1	Aquabac 200G (62637-3)	4.0	1,089.0	
	5310 Trammel	Ditch	1	Aquabac 200G (62637-3)	2.0	544.5	
	Frog Pond & Trammel dr.	Ditch	5	Aquabac 200G (62637-3)	2.0	544.5	
					<b>Total Ounces Applied:</b>	14.0	3,811.5
						0.1 acres	
					<b>Total Larvicide Applied in Zone 5:</b>	14.0	3,811.5
						0.1 acres	
<b>Treatment Area 10 Applications</b>							
5/8/2013	Gee St.	Standing Water	2	Aquabac 200G (62637-3)	2.0	10.0	
	Gee St.	Standing Water	2	Aquabac 200G (62637-3)	2.0	10.0	

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<b>Date</b>	<b>Location</b>	<b>Habitat</b>	<b>No. of Larvae</b>	<b>Larvicide</b>	<b>Amount Applied (oz.)</b>	<b>Area Treated (sq ft)</b>
					<i>Total Ounces Applied:</i>	20.0
						0.0 acres
					<i>Total Larvicide Applied in Zone 10:</i>	20.0
						0.0 acres
					<i>Overall Total Ounces Applied</i>	4,403.8
						0.1 acres



# Adult Mosquito Surveillance Summary

Jonesboro

