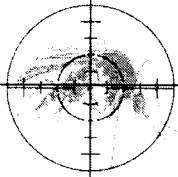


Due to a computer malfunction, there will be no maps for this reporting period.

Sorry for any inconvenience this might have caused.



Vector Disease Control, Inc.

Mosquito Surveillance and Control Report

for the

City of Jonesboro

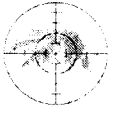
May 2016

2221 N. Church St. Jonesboro, AR 72401

T-870.933.6939 F- 870.933.0122

www.vdci.net





City of Jonesboro Activity Report

May 2016

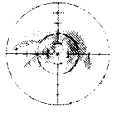
Vector Disease Control, Inc. (VDCI) provides a proven, scientific approach to mosquito control for the city of Jonesboro. VDCI's operations include larval and adult mosquito surveillance followed by the application of larvicides and adulticides. In addition, our office responds to service requests from 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 2.3 mosquitoes per trap night (61 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, 20 sites inspected with 2 sites having mosquito larvae present. As a result of these inspections 4.0 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.

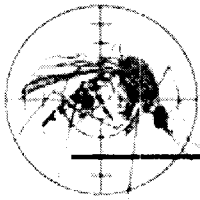


ADULT MOSQUITO CONTROL ACTIVITY

In response to community events and mosquito surveillance data, VDCI applied adulticide (5) truck night 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 117.0 spray miles (4,252.6 acres) were treated with a total of 17.1 gallons of adulticide in residential and recreational areas. In addition to routine truck spraying, VDCI has responded to 4 service request and adulticided all parks and special events during this 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.



Adult Mosquito Surveillance Report

Start Date: 5/1/2016

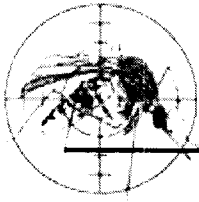
End Date: 5/31/2016

Jonesboro

Trap Location	Date Trap Set	Trap Type	Mosquito Species	No. Collected
Treatment Area 1 Collection				
Arrow Head Rd.	5/19/2016	NJ Light Trap	<i>No Mosquitoes</i>	0
				Trap Total 0 (Avg. 0)
Arrowhead Rd.	5/5/2016	NJ Light Trap	<i>No Mosquitoes</i>	0
				Trap Total 0 (Avg. 0)
Shady Lane	5/5/2016	NJ Light Trap	<i>Aedes vexans</i>	5
			<i>Anopheles quadrimaculatus</i>	2
Shady Lane	5/19/2016	NJ Light Trap	<i>No Mosquitoes</i>	0
				Trap Total 7 (Avg. 3.5)
Treatment Area 2 Collection				
Strawfloor	5/5/2016	NJ Light Trap	<i>Aedes vexans</i>	8
Strawfloor	5/19/2016	NJ Light Trap	<i>No Mosquitoes</i>	0
				Trap Total 8 (Avg. 4)
Treatment Area 3 Collection				
Ridge Point	5/19/2016	NJ Light Trap	<i>No Mosquitoes</i>	0
				Trap Total 0 (Avg. 0)
Ridge Pointe	5/5/2016	NJ Light Trap	<i>Aedes vexans</i>	3
				Trap Total 3 (Avg. 3)
Treatment Area 4 Collection				
Part Ridge	5/5/2016	NJ Light Trap	<i>Aedes vexans</i>	6
Part Ridge	5/19/2016	NJ Light Trap	<i>Aedes vexans</i>	3
				Trap Total 9 (Avg. 4.5)
Treatment Area 5 Collection				
Derby Dr.	5/5/2016	NJ Light Trap	<i>No Mosquitoes</i>	0
Derby Dr.	5/19/2016	NJ Light Trap	<i>Aedes vexans</i>	2
				Trap Total 2 (Avg. 1)

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 Jonesboro, AR 72402
 800-413-4445

Trap Location	Date Trap Set	Trap Type	Mosquito Species	No. Collected
Frog Pond	5/5/2016	NJ Light Trap	<i>Aedes vexans</i>	1
Frog Pond	5/19/2016	NJ Light Trap	No Mosquitoes	0
Trap Total				1 (Avg. 0.5)
Trapping Area #1 Collection				
Oakhill	5/5/2016	NJ Light Trap	<i>Aedes vexans</i>	7
			<i>Anopheles quadrimaculatus</i>	1
Oakhill	5/19/2016	NJ Light Trap	<i>Aedes vexans</i>	2
Trap Total				10 (Avg. 5)
Pleasant View	5/5/2016	NJ Light Trap	<i>Aedes vexans</i>	7
Pleasant View	5/19/2016	NJ Light Trap	No Mosquitoes	0
Trap Total				7 (Avg. 3.5)
Trapping Area #2 Collection				
Briarcrest	5/5/2016	NJ Light Trap	<i>Aedes vexans</i>	1
Briarcrest	5/19/2016	NJ Light Trap	<i>Aedes vexans</i>	2
Trap Total				3 (Avg. 1.5)
Matthew	5/5/2016	NJ Light Trap	<i>Aedes vexans</i>	8
Trap Total				8 (Avg. 8)
Matthews	5/19/2016	NJ Light Trap	<i>Aedes vexans</i>	2
Trap Total				2 (Avg. 2)
Trapping Area #3 Collection				
Cottage Home Rd.	5/5/2016	NJ Light Trap	<i>Aedes vexans</i>	1
Cottage Home Rd.	5/19/2016	NJ Light Trap	No Mosquitoes	0
Trap Total				1 (Avg. 0.5)
Trapping Area #4 Collection				
Quail Ridge	5/5/2016	NJ Light Trap	No Mosquitoes	0
Quail Ridge	5/19/2016	NJ Light Trap	No Mosquitoes	0
Trap Total				0 (Avg. 0)
Overall Trap Total				61
Overall Trap Average				2.3



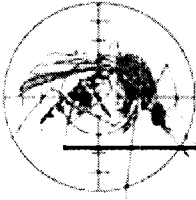
Larval Surveillance Data

Start Date: 5/1/2016

End Date: 5/31/2016

Jonesboro

Date	Location	Habitat	No. Dipped	Larvicided	Mosquito Species	No. ID'd
Treatment Area 1 Sites Inspected						
5/18/2016	2112 Arrowhead Farm Rd.	Ditch	0	No		
	2601 Dan Ave	Ditch	0	No		
Total Sites Inspected in Zone 1: 2						
Treatment Area 6 Sites Inspected						
5/17/2016	Aggie	Ditch	0	No		
	Aggie ASU	Ditch	0	No		
	HWY 351	Ditch	1-10	Yes		
	Lockmoore	Ditch	0	No		
	Pleasant Grove	Ditch	2	Yes		
	Sage Meadow Blvd.	Ditch	0	No		
	Villa Cv.	Ditch	0	No		
Total Sites Inspected in Zone 6: 7						
Treatment Area 11 Sites Inspected						
5/23/2016	Airport Rd.	Ditch	0	No		
	Curtview	Ditch	0	No		
	Industrial	Ditch	0	No		
	Neil	Ditch	0	No		
	Primrose	Hole	0	No		
	Riggs	Ditch	0	No		
	Stadium	Ditch	0	No		
	Stadium	Ditch	0	No		
	Stadium	Ditch	0	No		
Total Sites Inspected in Zone 11: 9						



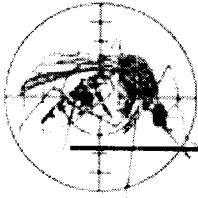
Larvicide Applications

Start Date: 5/1/2016

End Date: 5/31/2016

Jonesboro

Date	Location	Habitat	No. of Larvae	Larvicide	Amount Applied (oz.)	Area Treated (sq ft)
Zone 6 Applications						
5/17/2016	HWY 351	Ditch	1-10	Aquabac 200G (62637-3)	2.0	15.0
	Pleasant Grove	Ditch	2	Aquabac 200G (62637-3)	2.0	5.0
				<i>Total Ounces Applied:</i>	4.0	20.0
						0.0 acres
				<i>Total Larvicide Applied in Zone 6:</i>	4.0	20.0
						0.0 acres
				<i>Overall Total Ounces Applied</i>	4.0	20.0
						0.0 acres



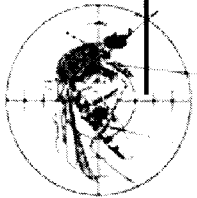
Service Request Adulticide Applications

Start Date: 5/1/2016

End Date: 5/31/2016

Jonesboro

Date	Location	Chemical	Mix Ratio	Amount Applied	Area Treated
Treatment Area 0 Applications					
5/6/2016	3824 Casey Springs	Kontrol 30-30 (73748-5)	1:7	18.0	10.00 acres
		Total Kontrol 30-30 Applied:		18.0 (0.1 gals)	10.00 acres
Treatment Area 1 Applications					
5/27/2016	2906 Bermuda Dr.	Kontrol 30-30 (73748-5)	1:5	75.0	0.50 acres
		Total Kontrol 30-30 Applied:		75.0 (0.6 gals)	0.50 acres
Treatment Area 2 Applications					
5/5/2016	3206 Ashwood			0.0	0.00 acres
		Total Applied:		0.0 (0.0 gals)	0.00 acres
5/15/2016	3824 Casey springs	Kontrol 30-30 (73748-5)	1:7	60.0	5.00 acres
		Total Kontrol 30-30 Applied:		60.0 (0.5 gals)	5.00 acres
Grand Totals				153.0 (1.2 gals)	15.50 acres



Ground Adulticide Applications

Start Date: 5/1/2016 End Date: 5/31/2016

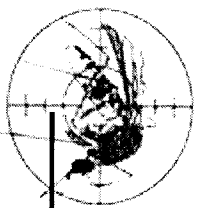
Jonesboro

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
May 2016	5/11/2016		Control 30-30 (73748-5)	1:7	0.0	0.0	0.0	0.0
May 2016	5/15/2016		Control 30-30 (73748-5)	1:7	17.0	2.5	90.0	1.5
<i>Total Control 30-30 Applied:</i>					17.0	2.5	90.0	1.5
Zone 1 Totals: 17.0 2.5 90.0 1.5								
May 2016	5/11/2016		Control 30-30 (73748-5)	1:7	0.0	50.0	1818.2	0.0
<i>Total Control 30-30 Applied:</i>					0.0	50.0	1,818.2	0.0
Zone 5 Totals: 0.0 50.0 1,818.2 0.0								
May 2016	5/23/2016		Control 30-30 (73748-5)	1:5	38.0	25.1	911.0	4.6
<i>Total Control 30-30 Applied:</i>					38.0	25.1	911.0	4.6
Zone 6 Totals: 38.0 25.1 911.0 4.6								

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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
May 2016	5/2/2016		Kontrol 30-30 (73748-5)	1:7	0.0	0.0	0.0	0.0
<i>Total Kontrol 30-30 Applied: 0.0</i>								
Zone 8 Totals: 0.0 0.0 0.0 0.0 0.0								
<i>Total Kontrol 30-30 Applied: 11.0</i>								
Zone 10 Totals: 53.0 39.4 1,433.4 11.0								
Grand Totals: 108.0 117.0 4,252.6 17.1								

May 2016 5/6/2016 Kontrol 30-30 (73748-5)

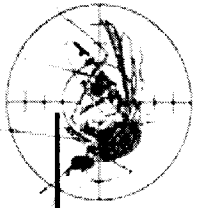


Summary of Service Requests

Start Date: 5/1/2016 End Date: 5/31/2016

Jonesboro

Month	Municipality	Treatment Area	Total Calls	Total Inspected	Disposition Totals	Total Sites		Total Amount of		
						with Mosquitoes	Larvicide Applied	Adulticide Applied		
May 2016		0	1	1	No Action Required:	0	Eggs:	0	0.00 oz	18.0 oz
					Emptied Containers:	0	Larvae:	0		
					Biological Control:	0	Pupae:	0		
					Larvicided:	0	Adults:	0		
					Adulticided:	1				
					Needed to Return:	0				
					No Action Required:	0	Eggs:	0	0.00 oz	75.0 oz
					Emptied Containers:	0	Larvae:	0		
					Biological Control:	0	Pupae:	0		
					Larvicided:	0	Adults:	0		
					Adulticided:	1				
					Needed to Return:	0				
May 2016		10	2	2	No Action Required:	0	Eggs:	0	0.00 oz	60.0 oz
					Emptied Containers:	0	Larvae:	0		
					Biological Control:	0	Pupae:	0		
					Larvicided:	1	Adults:	0		
					Adulticided:	1				
					Needed to Return:	0				
					No Action Required:	0	Eggs:	0	0.00 oz	153.0 oz
					Emptied Containers:	0	Larvae:	0		
					Biological Control:	0	Pupae:	0		
					Larvicided:	1	Adults:	0		
					Adulticided:	1				
					Needed to Return:	0				
Overall Totals:					4	4			0.00 oz	153.0 oz
					NA:	0	LV:	1		
					EC:	0	AT:	3		
					BC:	0	NR:	0		



Adult Mosquito Surveillance Summary

Jonesboro

