

Vector Disease Control, Inc.  
Mosquito Surveillance and Control Report

for the

**City of Jonesboro**

**June 2018**

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**

June 2018

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 (25) New Jersey light traps placed in residential and recreational areas throughout Jonesboro during this reporting period. These traps collected an average of 13.9 mosquitoes per trap night (149 total mosquitoes) during this time. There have been a total of 3 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, 75 sites inspected with 6 sites having mosquito larvae present. As a result of these inspections 80 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.

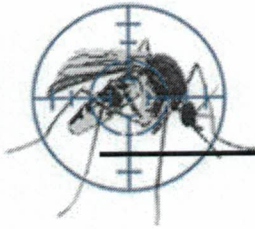


## ADULT MOSQUITO CONTROL ACTIVITY

In response to community events and mosquito surveillance data, VDCI applied adulticide (3) truck routes 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 2238.7 spray miles (4168.60 acres) were treated with a total of 16.6 gallons of adulticide in residential and recreational areas. In addition to routine truck spraying, VDCI has responded to 0 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: 5/1/2018

End Date: 5/31/2018

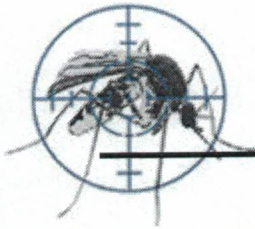
Jonesboro

Trap Location	Date Trap Set	Trap Type	Mosquito Species	No. Collected
<b>Treatment Area 1 Collections</b>				
Trap Site 1	5/11/2018	NJ Light Trap	<i>Aedes cinereus</i>	12
			<i>Aedes vexans</i>	2
			<i>Aedes vexans</i>	2
			<i>Aedes vexans</i>	5
Trap Site 1	5/17/2018	NJ Light Trap	<i>Aedes vexans</i>	1
			<i>Anopheles quadrimaculatus</i>	1
<b>Trap Total</b>				23 (Avg. 11.5)
Trap Site 2	5/11/2018	NJ Light Trap	<i>Aedes vexans</i>	3
			<i>Aedes vexans</i>	2
<b>Trap Total</b>				5 (Avg. 5)
Trap Site 3	5/11/2018	NJ Light Trap	<i>Aedes vexans</i>	3
			<i>Aedes vexans</i>	3
			<i>Aedes vexans</i>	3
			<i>Aedes vexans</i>	3
<b>Trap Total</b>				12 (Avg. 12)
Trap Site 4	5/11/2018	NJ Light Trap	<i>Aedes vexans</i>	3
			<i>Aedes vexans</i>	3
			<i>Aedes vexans</i>	1
			<i>Aedes vexans</i>	3
<b>Trap Total</b>				10 (Avg. 10)
Trap Site 5	5/11/2018	NJ Light Trap	<i>Aedes vexans</i>	2
			<i>Aedes vexans</i>	2
			<i>Aedes vexans</i>	4
			<i>Anopheles quadrimaculatus</i>	1
			<i>Anopheles quadrimaculatus</i>	1
			<i>Anopheles quadrimaculatus</i>	1
<b>Trap Total</b>				11 (Avg. 11)
Trap Site 6	5/11/2018	NJ Light Trap	<i>Aedes vexans</i>	2
<b>Trap Total</b>				2 (Avg. 2)

## Treatment Area 2 Collections

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 950 N. Broadway, Suite B  
 Greenville, MS 38701  
 800-413-4445

Trap Location	Date Trap Set	Trap Type	Mosquito Species	No. Collected
Trap Site 2	5/17/2018	NJ Light Trap	<i>Aedes vexans</i>	1
<b>Trap Total</b>				1 (Avg. 1)
<b>Treatment Area 3 Collections</b>				
Trap Site 2	5/17/2018	NJ Light Trap	<i>Anopheles quadrimaculatus</i>	1
<b>Trap Total</b>				1 (Avg. 1)
Trap Site 3	5/17/2018	NJ Light Trap	<i>Aedes vexans</i>	1
<b>Trap Total</b>				1 (Avg. 1)
<b>Treatment Area 4 Collections</b>				
Trap Site 4	5/17/2018	NJ Light Trap	<i>Anopheles quadrimaculatus</i>	4
<b>Trap Total</b>				4 (Avg. 4)
<b>Treatment Area 5 Collections</b>				
Trap Site 4	5/17/2018	NJ Light Trap	<i>Anopheles quadrimaculatus</i>	1
			<i>Anopheles quadrimaculatus</i>	0
<b>Trap Total</b>				1 (Avg. 1)
Trap Site 5	5/17/2018	NJ Light Trap	<i>Aedes vexans</i>	1
<b>Trap Total</b>				1 (Avg. 1)
<b>Treatment Area 6 Collections</b>				
Trap Site 1	5/17/2018	NJ Light Trap	<i>Aedes vexans</i>	1
<b>Trap Total</b>				1 (Avg. 1)
<b>Treatment Area 8 Collections</b>				
Trap Site 4	5/17/2018	NJ Light Trap	<i>Aedes vexans</i>	1
			<i>Anopheles quadrimaculatus</i>	1
<b>Trap Total</b>				2 (Avg. 2)
<b>Treatment Area 10 Collections</b>				
Trap Site 1	5/17/2018	NJ Light Trap	<i>Anopheles quadrimaculatus</i>	1
<b>Trap Total</b>				1 (Avg. 1)
<b>Overall Trap Total</b>				76
<b>Overall Trap Average</b>				4.8



# Adult Mosquito Surveillance Report

Start Date: 5/1/2018

End Date: 5/31/2018

**Jonesboro**

Trap Location	Date Trap Set	Trap Type	Mosquito Species	No. Collected
<b>Treatment Area 1 Collections</b>				
Trap Site 1	5/29/2018	NJ Light Trap	<i>Aedes albopictus</i>	11
			<i>Aedes vexans</i>	1
<b>Trap Total</b>				12 (Avg. 12)
Trap Site 2	5/29/2018	NJ Light Trap	<i>Aedes albopictus</i>	11
			<i>Aedes vexans</i>	2
			<i>Anopheles quadrimaculatus</i>	2
			<i>Anopheles quadrimaculatus</i>	2
<b>Trap Total</b>				17 (Avg. 17)
<b>Treatment Area 2 Collections</b>				
Trap Site 3	5/29/2018	NJ Light Trap	<i>Aedes albopictus</i>	20
			<i>Aedes vexans</i>	2
<b>Trap Total</b>				22 (Avg. 22)
Trap Site 4	5/29/2018	NJ Light Trap	<i>Aedes albopictus</i>	2
			<i>Aedes vexans</i>	3
<b>Trap Total</b>				5 (Avg. 5)
<b>Treatment Area 4 Collections</b>				
Trap Site 2	5/28/2018	NJ Light Trap	<i>Aedes vexans</i>	1
			<i>Anopheles quadrimaculatus</i>	1
<b>Trap Total</b>				2 (Avg. 2)
<b>Treatment Area 5 Collections</b>				
Trap Site 3	5/28/2018	NJ Light Trap	<i>Aedes vexans</i>	1
			<i>Aedes vexans</i>	8
			<i>Aedes vexans</i>	1
<b>Trap Total</b>				10 (Avg. 10)
<b>Treatment Area 6 Collections</b>				
Trap Site 5	5/29/2018	NJ Light Trap	<i>Aedes albopictus</i>	3

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Trap Location	Date Trap Set	Trap Type	Mosquito Species	No. Collected
Trap Site 5	5/29/2018	NJ Light Trap	<i>Anopheles quadrimaculatus</i>	1
<b>Trap Total</b>				<b>4 (Avg. 4)</b>

**Treatment Area 10 Collections**

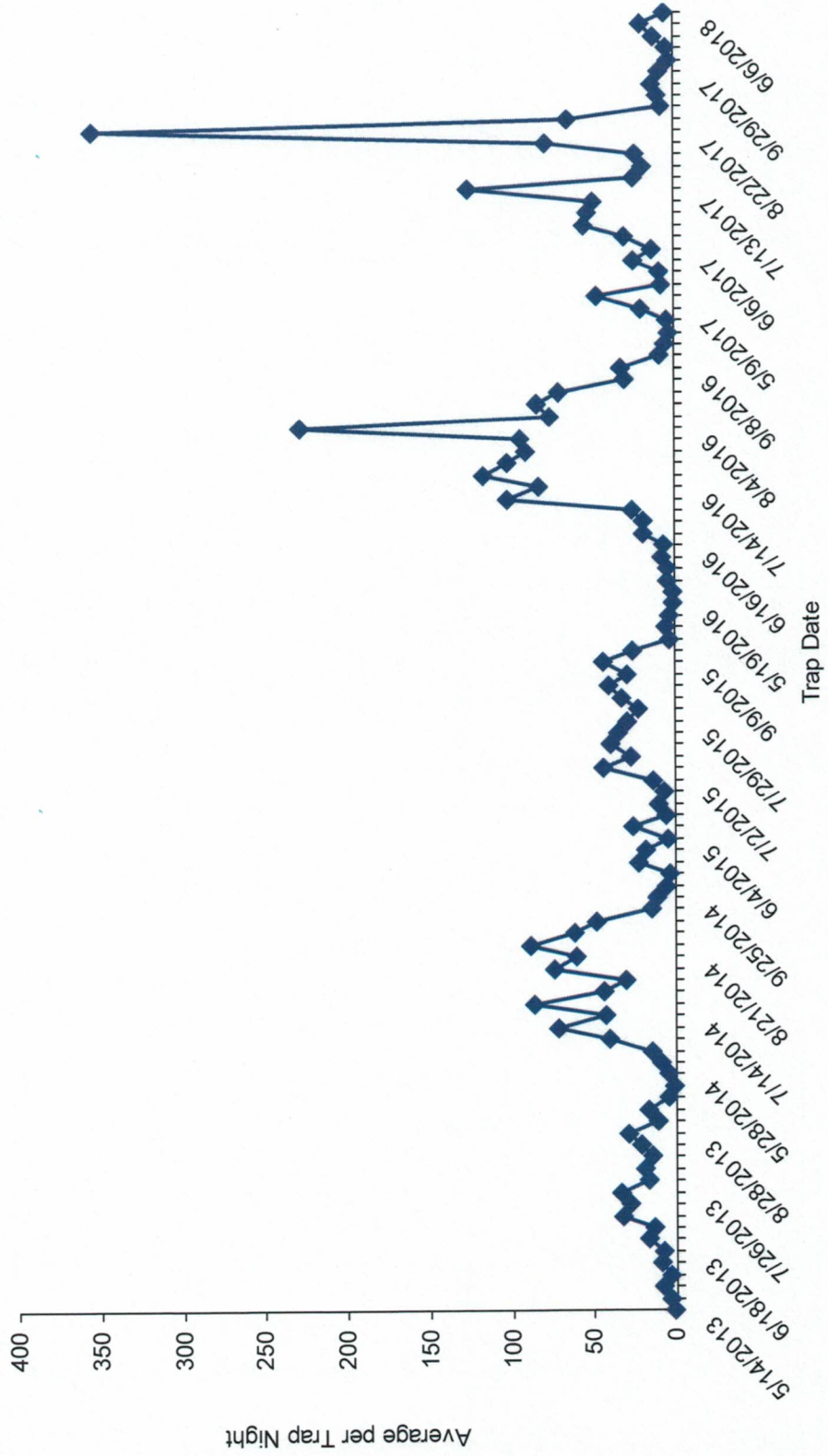
Trap Site 1	5/28/2018	NJ Light Trap	<i>Anopheles quadrimaculatus</i>	1
<b>Trap Total</b>				<b>1 (Avg. 1)</b>

<b>Overall Trap Total</b>	<b>73</b>
<b>Overall Trap Average</b>	<b>9.1</b>



# Adult Mosquito Surveillance Summary

Jonesboro



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# Larval Surveillance Data

Start Date: 5/1/2018

End Date: 5/31/2018

Jonesboro

Date	Location	Habitat	No. Dipped	Larvicided	Mosquito Species	No. ID'd
<b>Treatment Area 1 Sites Inspected</b>						
5/14/2018		Ditch	0	No		
	2000 Watt Street	Ditch	0	No		
	2200 Brazos st	Ditch	0	No		
	3000 Dayton Ave	Ditch	0	No		
	3000 Fairview st	Ditch	0	No		
	3700 Airport rd	Ditch	0	No		
	3704 Race st	Ditch	0	No		
	4000 Nettleton	Ditch	0	No		
5/15/2018	711 Arrowhead Farm	Ditch	0	No		
5/24/2018	1000 Neil Drive	Ditch		No		
	1500 Bittle st	Ditch	1	Yes		
	2125 Fairpark Bld	Ditch	1	Yes		
5/25/2018		Ditch	0	No		
	1500 Bitt	Ditch	3	Yes		
	203 Fox fire	Ditch	0	No		
	305 Rocking Chair	Ditch	0	No		
	3209 case	Ditch	0	No		
	3709 Reynold's park	Ditch	0	No		
	4600 staium Blvd	Ditch	3	Yes		
	4704 Mc Phill	Ditch	0	No		
	8401 Bellrive	Ditch	0	No		
	923	Ditch	0	No		
	St, Renee	Ditch	0	No		

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Date	Location	Habitat	No. Dipped	Larvicided	Mosquito Species	No. ID'd
5/25/2018	St.Renee	Ditch	0	No		
5/31/2018	1100 Blankenship	Ditch	0	No		
	1600 Beverly Dr	Ditch	0	No		
	1702 Winchester	Ditch	0	No		
	1900 Stillwater Dr	Ditch	0	No		
	1916 prescott Ln	Ditch	0	No		
	1916 Prescott Ln	Ditch	0	No		
	2008 Winesad	Ditch	0	No		
	2100 Montgomery Ln	Ditch	0	No		
	2100 montgomery ln	Ditch	0	No		
	211 Lamsa	Ditch	0	No		
	2700 Paula DR	Ditch	0	No		
	2821 DAlus Ln	Ditch	0	No		
	2904 Covey Dr	Ditch	0	No		
	3805 Neely LN	Ditch	0	No		
	400 Miller	Ditch	0	No		
	5106 woodsprings rd	Ditch	0	No		
	5300 Wilkinson DR	Ditch	3	Yes		
	5500 Southwest Dr	Ditch	0	No		
	5700 Wimpy Lane	Ditch	0	No		
	Flemon Road	Ditch	0	Yes		
	Sheriff Johnson	Ditch	0	No		

**Total Sites Inspected in Zone 1: 45**

#### Treatment Area 5 Sites Inspected

5/25/2018	1821 East Parker RD	Ditch	0	No		
	1821 EAst Parker Rd	Ditch	0	No		
	206 Patrick St	Ditch	0	No		
	206 Patrick st	Ditch	0	No		

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Date	Location	Habitat	No. Dipped	Larvicided	Mosquito Species	No. ID'd
5/25/2018	2300 Sunny Meadow Dr	Ditch	0	No		
	4500 Harriburg Rd	Ditch	0	No		
	500 N Culberhouse	Ditch	0	No		
	932 East Parker rd	Ditch	0	No		
	South Carway rd	Ditch	0	No		
<b>Total Sites Inspected in Zone 5: 9</b>						

#### Treatment Area 7 Sites Inspected

5/25/2018	11:35am	Ditch	0	No		
	1402 Thomas Green RD	Ditch	0	No		
	3422 Quailridge Rd	Ditch	0	No		
	Arkansas Trailer	Ditch	0	No		
	Centeral Chevey	Ditch	0	No		
	Central Toytoa	Ditch	0	No		
	Purcell Tire	Ditch	0	No		
<b>Total Sites Inspected in Zone 7: 7</b>						

#### Treatment Area 10 Sites Inspected

5/25/2018	1912 Cherrywood Dr	Ditch	0	No		
	2010 BoB White Dr	Ditch	0	No		
	Neel Rd	Ditch	0	No		
5/29/2018	Raider tire	tires	0	No		
<b>Total Sites Inspected in Zone 10: 4</b>						



## Ground Adulticide Applications

Start Date: 5/1/2018      End Date: 5/31/2018

**Jonesboro**

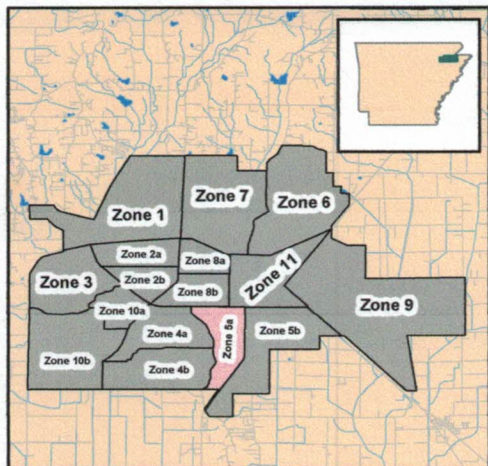
Treatment Area 1 Applications									
Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed	
May 2018	5/22/2018		Kontrol 30-30 (73748-5)	Neat	24.0	21.8	1050.0	8.0	
	5/22/2018		Kontrol 30-30 (73748-5)	5.1	0.0	55.0	2000.0	0.0	
	5/30/2018		Kontrol 30-30 (73748-5)	Neat	32.0	30.8	1118.6	8.6	
<i>Total Kontrol 30-30 Applied:</i>						<i>16.6</i>			
<b>Zone 1 Totals:</b>					<b>56.0</b>	<b>107.6</b>	<b>4,168.6</b>	<b>16.6</b>	
<b>Grand Totals:</b>					<b>56.0</b>	<b>107.6</b>	<b>4,168.6</b>	<b>16.6</b>	

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# Jonesboro, Arkansas

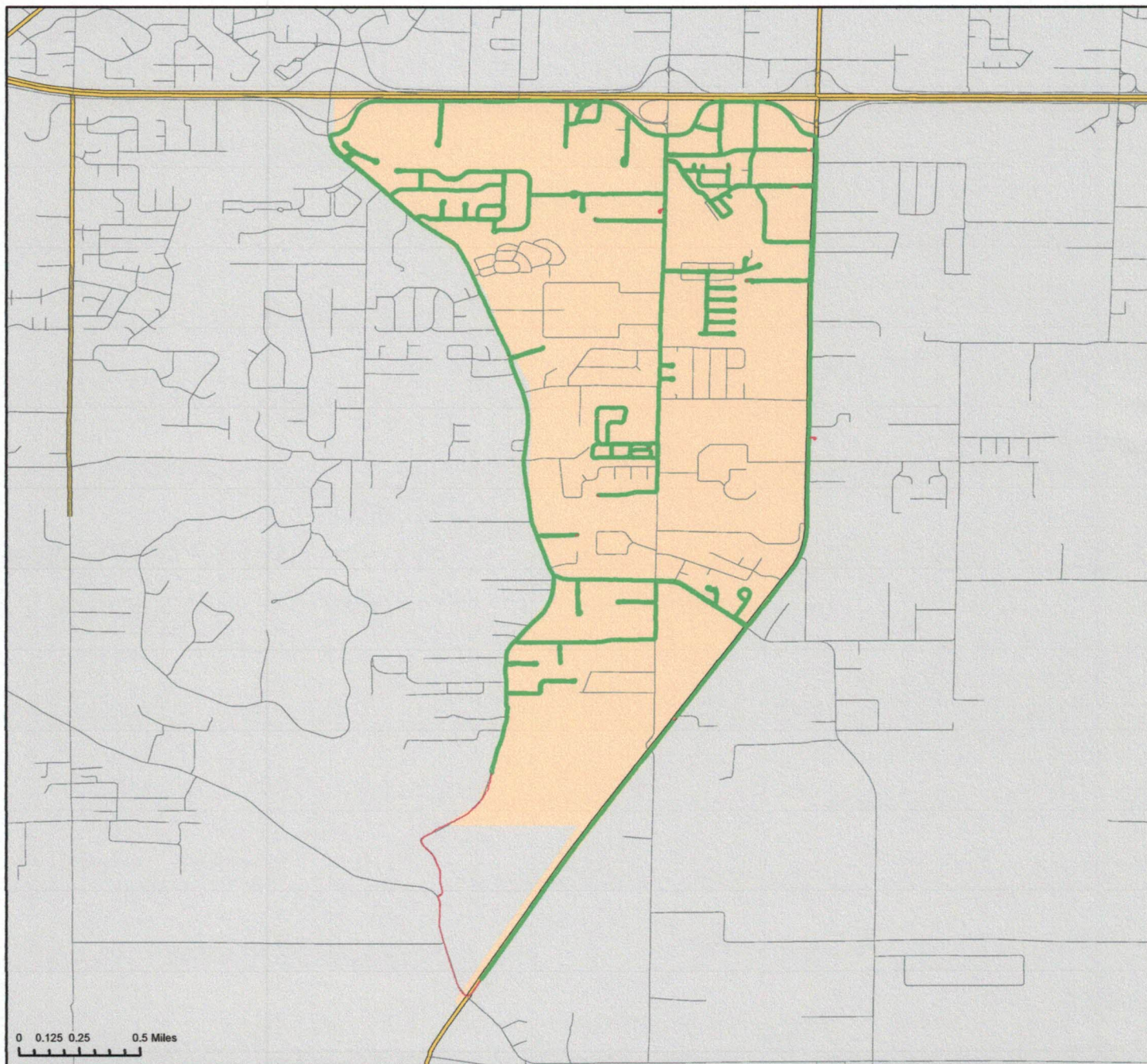
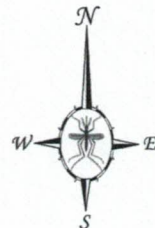
Ground Adulticide Application Date:  
May 30, 2018



## Sprayer Status

- Spray Off
- Spray On

Chemical: Kontrol 30-30  
Quantity Used: 8.6 gal  
Miles Treated: 30.8  
Acres Treated: 1,119.0



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1320 Brookland Dr., Suite H  
Little Rock, AR 72202

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