

Vector Disease Control, Inc.

Mosquito Surveillance and Control Report

for the

**City of Jonesboro**

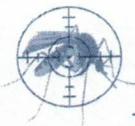
**May 2019**

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 2019**

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.

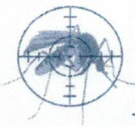
### **Mosquito Surveillance**

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 (14 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, 61 sites inspected with 5 sites having mosquito larvae present. As a result of these inspections 7 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 (13) 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 601.9 spray miles (20,526.10 acres) were treated with a total of 95.4 gallons of adulticide in residential and recreational areas. In addition to routine truck spraying, VDCI has responded to 1 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: 5/1/2019

End Date: 5/31/2019

## Jonesboro

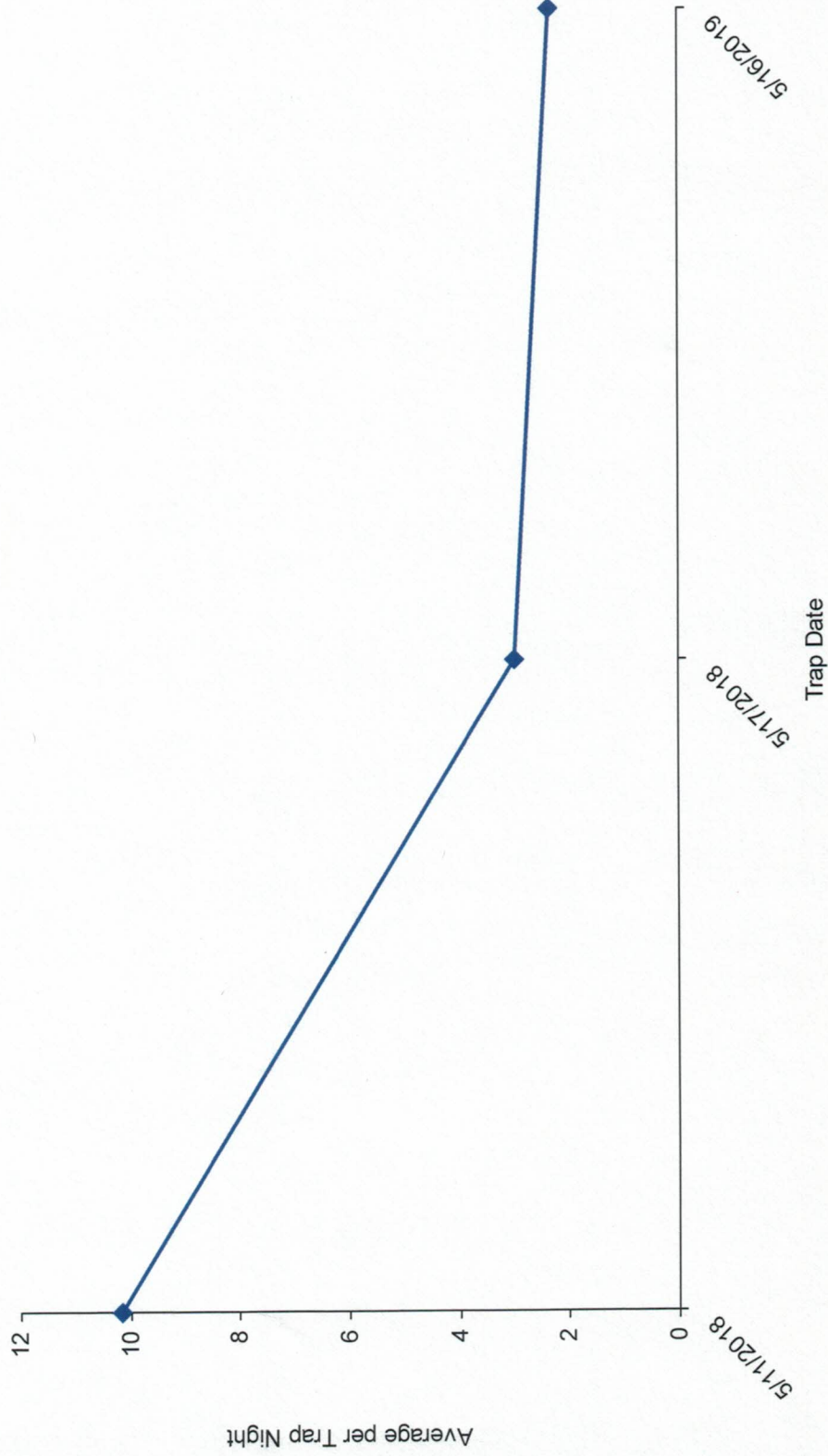
Trap Location	Date Trap Set	Trap Type	Mosquito Species	No. Collected
<b>Treatment Area 1 Collections</b>				
Trap Site 1	5/16/2019	NJ Light Trap	<i>Aedes vexans</i>	1
				<b>Trap Total</b> 1 (Avg. 1)
Trap Site 2	5/16/2019	NJ Light Trap	<i>Aedes vexans</i>	2
				<b>Trap Total</b> 2 (Avg. 2)
<b>Treatment Area 2 Collections</b>				
Trap Site 3	5/16/2019	NJ Light Trap	<i>Aedes vexans</i>	3
				<b>Trap Total</b> 3 (Avg. 3)
<b>Treatment Area 6 Collections</b>				
Trap Site 5	5/16/2019	NJ Light Trap	<i>Aedes vexans</i>	2
				<b>Trap Total</b> 2 (Avg. 2)
Trap Site 6	5/16/2019	NJ Light Trap	<i>Aedes vexans</i>	1
				<b>Trap Total</b> 1 (Avg. 1)
<b>Treatment Area 8 Collections</b>				
Trap Site 4	5/16/2019	NJ Light Trap	<i>Aedes vexans</i>	5
				<b>Trap Total</b> 5 (Avg. 5)
				<b>Overall Trap Total</b> 14
				<b>Overall Trap Average</b> 2.3





# Adult Mosquito Surveillance Summary

Jonesboro





# Larval Surveillance Data

Start Date: 5/1/2019

End Date: 5/31/2019

## Jonesboro

Date	Location	Habitat	No. Dipped	Larvicided	Mosquito Species	No. ID'd
<b>Treatment Area 6 Sites Inspected</b>						
5/8/2019	3521 Pebble Drive	Ditch	1-10	Yes		
	500 Brandon Drive	Culvert	1-10	Yes		
	5111 Kara Street	Culvert	6	Yes		
	Scotchwood Drive	Ditch	1-10	Yes		
<b>Total Sites Inspected in Zone 6: 4</b>						
<b>Treatment Area 7 Sites Inspected</b>						
5/8/2019	608 Warner Street	Ditch	1-10	Yes		
<b>Total Sites Inspected in Zone 7: 1</b>						





# Larval Surveillance Data

Start Date: 5/1/2019

End Date: 5/31/2019

## Jonesboro

Date	Location	Habitat	No. Dipped	Larvicided	Mosquito Species	No. ID'd
<b>Treatment Area 1 Sites Inspected</b>						
5/15/2019	1903 Catherine	Ditch	0	No		
5/20/2019	1505 Winchester Road	Ditch	0	No		
	200 Lamesa Ave	Ditch	0	No		
	204 Best Industrial Drive	Ditch	0	No		
	210 Myette Street	Ditch	0	No		
	2107 Alicia Dr	Ditch	0	No		
	2511 Taylor McQueen	Ditch	0	No		
	2650 Lacy Drive	Ditch	0	No		
	305 Floyd	Ditch	0	No		
	312 Harry Drive	Ditch	0	No		
	66 CR 311 Henson Road	Ditch	0	No		
	915 Arrowhead Farm Road	Ditch	0	No		
	Corner of Dan & Best Ind	Ditch	0	No		
<b>Total Sites Inspected in Zone 1: 13</b>						
<b>Treatment Area 6 Sites Inspected</b>						
5/8/2019	1105 Bridger Road	Ditch	0	No		
	1483 Peachtree Road	Ditch	0	No		
	2040 Prospect Road	Ditch	0	No		
	2356 Clinton School Road	Ditch	0	No		
	2516 Britton Drive	Ditch	0	No		
	3507 Thomas Green Road	Ditch	0	No		
	5120 Kara Street	Culvert	0	No		

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Date	Location	Habitat	No. Dipped	Larvicided	Mosquito Species	No. ID'd
<b>Total Sites Inspected in Zone 6: 7</b>						
<b>Treatment Area 7 Sites Inspected</b>						
5/8/2019	1200 Daybreak	Ditch	0	No		
	1701 Mitzi Lane	Ditch	0	No		
	200 Woodrow Street	Swamp	0	No		
	215 Pine Street	Mudhole	0	No		
	510 Forrest Street	Ditch	0	No		
	800 Warner Street	Ditch	0	No		
	Corner of Forrest & Culberhouse	Ditch	0	No		
	Corner of Jonathan & Patrick	Ditch	0	No		
	Corner of Magnolia & Ponderosa	Ditch	0	No		
	Corner of Magnolia and Amy Ann	Ditch	0	No		
<b>Total Sites Inspected in Zone 7: 10</b>						
<b>Treatment Area 11 Sites Inspected</b>						
5/16/2019	1201 Neil Drive	Ditch-	0	No		
	1208 Fall St	Ditch-	0	No		
	1407 Bittle St	Ditch-Fish Found	0	No		
	1413 Nelms St	Ditch-	0	No		
	1501 Bittle Street	Ditch-	0	No		
	1501 WoodField St	Ditch-	0	No		
	1502 Danny Dr	Ditch-	0	No		
	1502 E. Matthews	Ditch-	0	No		
	1701 Irby St	Ditch-	0	No		
	1800 Cain St	Ditch-	0	No		
	1800 Henry St	Ditch-	0	No		
	1900 Arch St	Ditch-	0	No		
	2101 Cain St	Culvert	0	No		



<b>Date</b>	<b>Location</b>	<b>Habitat</b>	<b>No. Dipped</b>	<b>Larvicided</b>	<b>Mosquito Species</b>	<b>No. ID'd</b>
5/16/2019	2300 Primrose St	Ditch-	0	No		
	2800 Fair Park Blvd	Ditch	0	No		
	2933 Industrial Drive	Ditch	0	No		
	3204 Kingsbury Drive	Ditch-	0	No		
	3209 Herb St	Ditch-	0	No		
	3214 Van Av	Ditch-	0	No		
	3521 Airport Road	Ditch-	0	No		
	3523 Airport Road	Ditch-	0	No		
	3900 Race Street	Ditch	0	No		
	4001 E. Netleton Ave	Ditch-	0	No		
	4001 Lindberg Drive	Ditch-	0	No		
	4103 Race Street	Culvert	0	No		
	Access Rd&Willow Rd	Ditch	0	No		

**Total Sites Inspected in Zone 11: 26**



# Ground Adulicide Applications

Start Date: 5/1/2019      End Date: 5/31/2019

Jonesboro

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
<b>Treatment Area 1 Applications</b>								
May 2019	5/30/2019		Perm-X UL 30-30 (655-811)	1:6	0.0	45.0	1636.4	11.0
					<i>Total Perm-X UL 30-30 Applied: 11.0</i>			
					<b>Zone 1 Totals: 0.0    45.0    1,636.4    11.0</b>			
<b>Treatment Area 2 Applications</b>								
May 2019	5/30/2019		Perm-X UL 30-30 (655-811)	1:6	0.0	36.0	1309.1	4.0
					<i>Total Perm-X UL 30-30 Applied: 4.0</i>			
					<b>Zone 2 Totals: 0.0    36.0    1,309.1    4.0</b>			
<b>Treatment Area 3 Applications</b>								
May 2019	5/31/2019		Perm-X UL 30-30 (655-811)	1:6	0.0	61.0	2218.2	7.0
					<i>Total Perm-X UL 30-30 Applied: 7.0</i>			
					<b>Zone 3 Totals: 0.0    61.0    2,218.2    7.0</b>			
<b>Treatment Area 4 Applications</b>								
May 2019	5/17/2019		Perm-X UL 30-30 (655-811)	1:6	0.0	65.0	2363.6	7.0

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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
May 2019	5/20/2019		Perm-X UL 30-30 (655-811)	1:6	0.0	47.0	1709.1	9.0
	5/24/2019		Perm-X UL 30-30 (655-811)	1:6	0.0	66.0	2400.0	8.0
<i>Total Perm-X UL 30-30 Applied: 24.0</i>								
<b>Treatment Area 5 Applications</b>								
<b>Zone 4 Totals: 0.0 178.0 6,472.7 24.0</b>								
May 2019	5/24/2019		Perm-X UL 30-30 (655-811)	1:6	50.0	35.0	1217.6	9.5
	5/28/2019		Perm-X UL 30-30 (655-811)	1:6	43.0	36.2	10.1	10.3
<i>Total Perm-X UL 30-30 Applied: 19.8</i>								
<b>Zone 5 Totals: 93.0 71.2 1,227.7 19.8</b>								
<b>Treatment Area 6 Applications</b>								
May 2019	5/16/2019		Perm-X UL 30-30 (655-811)	1:6	0.0	54.0	1963.6	7.0
<i>Total Perm-X UL 30-30 Applied: 7.0</i>								
<b>Zone 6 Totals: 0.0 54.0 1,963.6 7.0</b>								
<b>Treatment Area 7 Applications</b>								
May 2019	5/16/2019		Perm-X UL 30-30 (655-811)	1:6	0.0	38.0	1381.8	1.0
	5/31/2019		Perm-X UL 30-30 (655-811)	1:6	0.0	40.0	1454.5	5.0
<i>Total Perm-X UL 30-30 Applied: 6.0</i>								

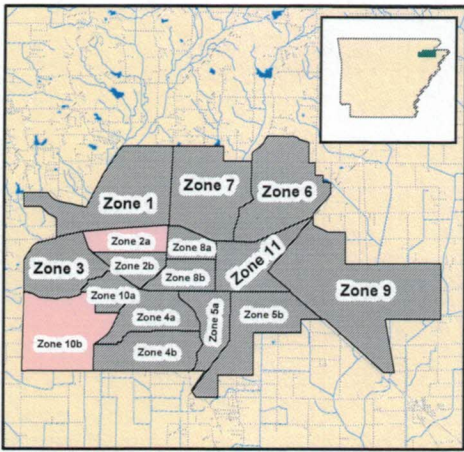
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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
<b>Treatment Area 8 Applications</b>								
May 2019	5/30/2019		Perm-X UL 30-30 (655-811)	1:6	0.0	44.0	1600.0	7.0
					<i>Total Perm-X UL 30-30 Applied:</i>			
					<b>0.0</b>	<b>44.0</b>	<b>1,600.0</b>	<b>7.0</b>
<b>Treatment Area 10 Applications</b>								
May 2019	5/30/2019		Perm-X UL 30-30 (655-811)	1:6	59.0	34.7	1262.1	9.6
					<i>Total Perm-X UL 30-30 Applied:</i>			
					<b>59.0</b>	<b>34.7</b>	<b>1,262.1</b>	<b>9.6</b>
					<b>152.0</b>	<b>601.9</b>	<b>20,526.1</b>	<b>95.4</b>









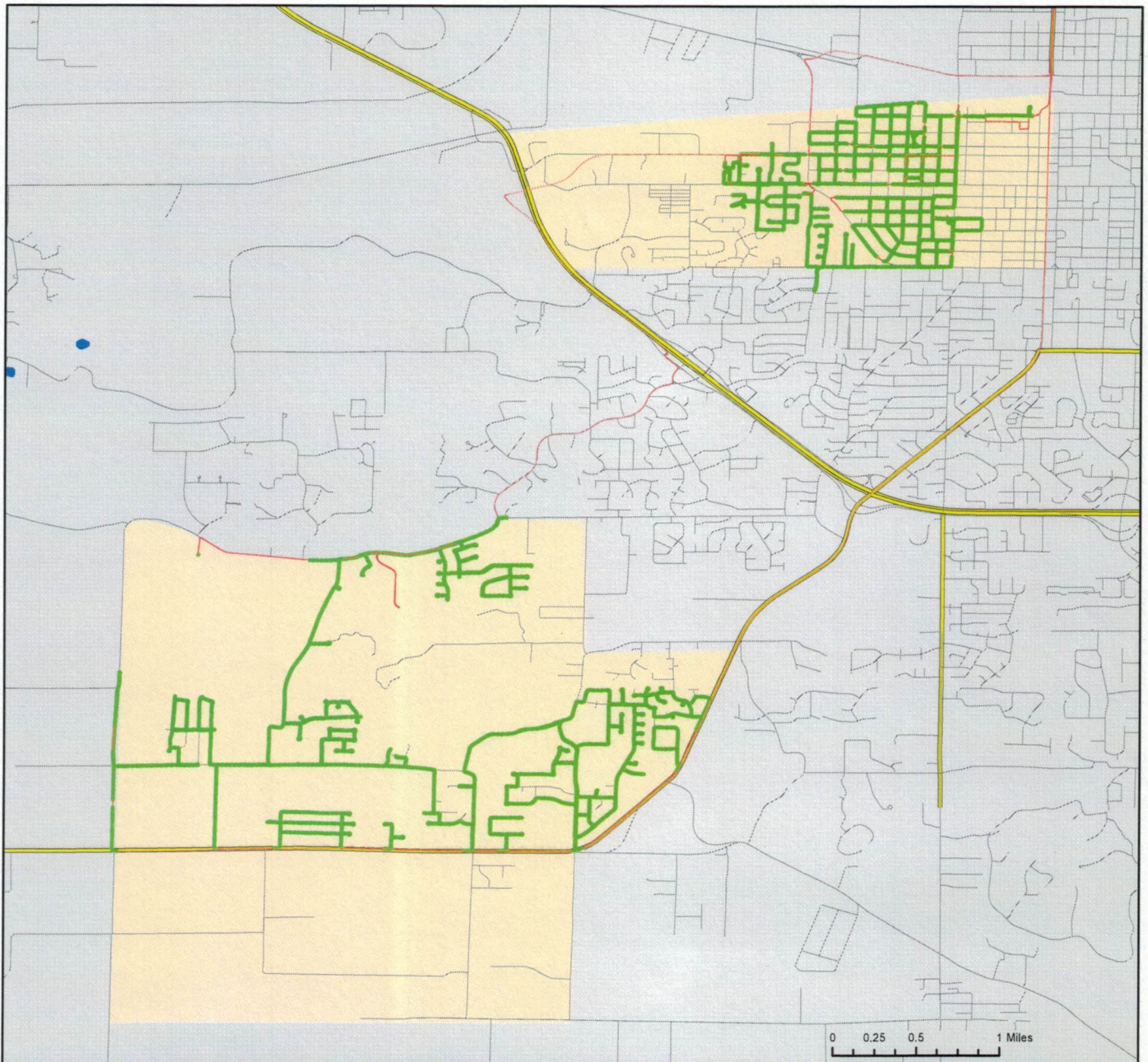
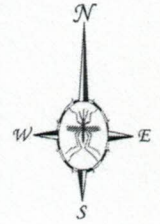
# Jonesboro, Arkansas

Ground Adulticide Application Date:  
May 30, 2019

## Sprayer Status

- Spray Off
- Spray On

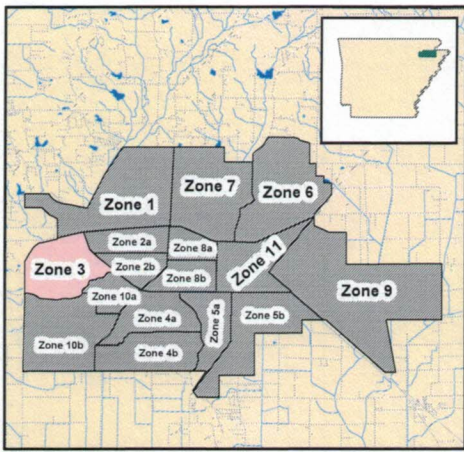
Chemical: Permanone 30-30  
Quantity Used: 17.6 gal  
Miles Treated: 63.2  
Acres Treated: 2,298.0



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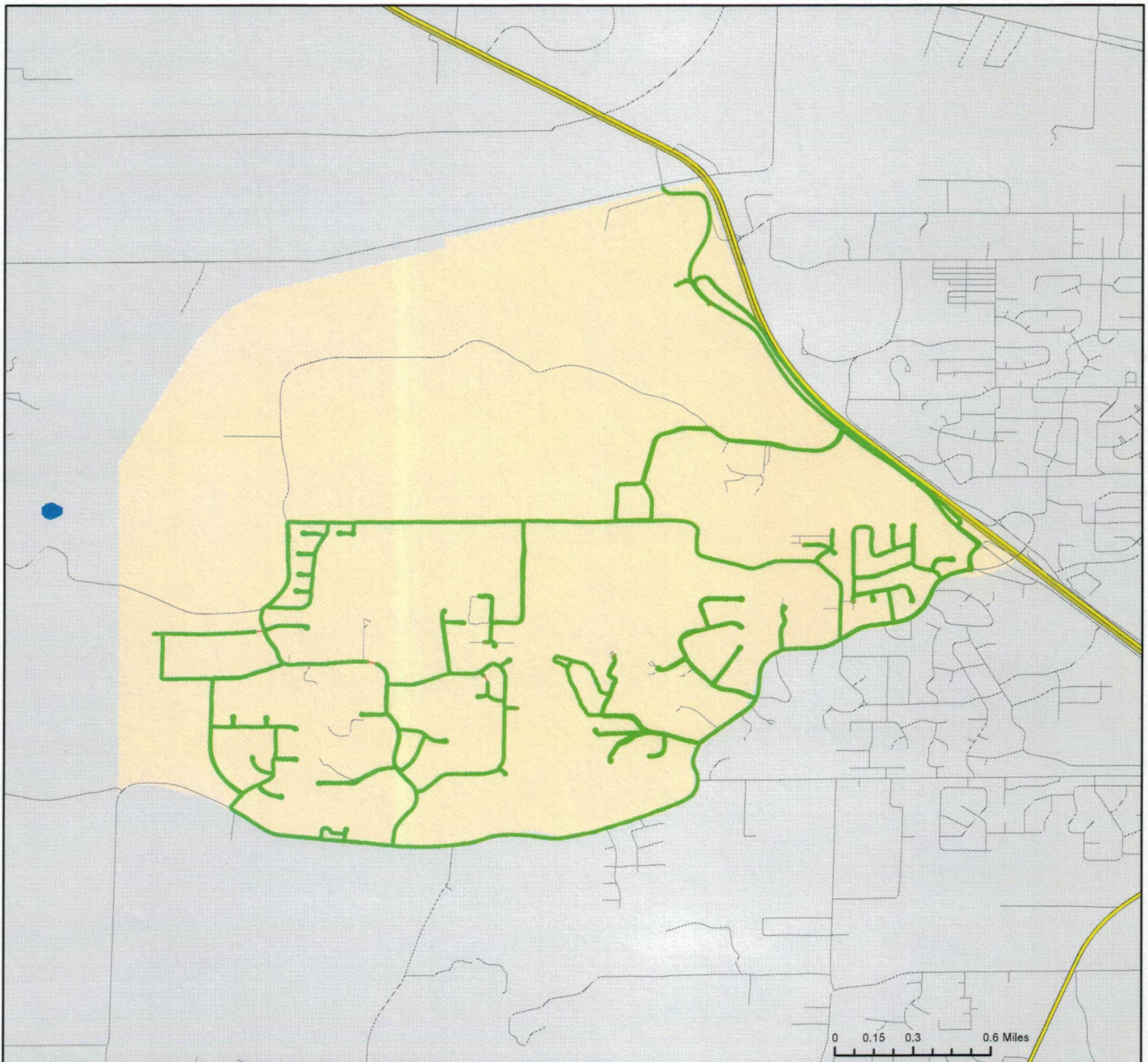
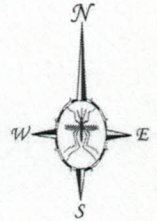
# Jonesboro, Arkansas

Ground Adulticide Application Date:  
May 31, 2019

## Sprayer Status

- Spray Off
- Spray On

Chemical: Permanone 30-30  
Quantity Used: 14.2 gal  
Miles Treated: 32.6  
Acres Treated: 1,184.0



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