

July, 2023 Mosquito Control Report



Jonesboro, AR

Prepared by:
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Jonesboro, AR 72401
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Global Leaders in Mosquito Control





City of Jonesboro Activity Report

July, 2023

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 **(35)** 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 **32,48325** mosquitoes per trap night **(1667)** total mosquitoes) during this time. There have been a total of **2** mosquito species collected.

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, **13** sites inspected with **2** sites having mosquito larvae present. As a result of these inspections **96** ounces of the larvicide VetoBac G 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 (**33**) 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 **1,193.50** spray miles (**43,396.80** acres) were treated with a total of **264** gallons of adulticide in residential and recreational areas.

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.

Ground Adulticide Applications

Start Date: 07/01/2023 End Date: 07/31/2023

Jonesboro

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
Jonesboro Zone 01 Applications								
July 2023	07/01/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	47.3	43.3	1,575.5	8.0
	07/03/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	30.0	27.8	1,012.3	4.0
					Total Permanone 30-30 (General Use) Applied: 12.0			
					Jonesboro Zone 01 Totals: 77.3 71.2 2,587.7 12.0			

Jonesboro Zone 02A Applications								
July 2023	07/10/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	49.6	43.3	1,572.9	8.0
					Total Permanone 30-30 (General Use) Applied: 8.0			
					Jonesboro Zone 02A Totals: 49.6 43.3 1,572.9 8.0			

Jonesboro Zone 03 Applications								
July 2023	07/07/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	48.9	48.8	1,772.6	10.0
July 2023	07/18/2023	Jonesboro	Permanone 31-66 (General Use) (432-1250)	1:7	51.5	35.9	1,305.3	7.0
					Total Permanone 30-30 (General Use) Applied: 10.0			
					Total Permanone 31-66 (General Use) Applied: 7.0			
					Jonesboro Zone 03 Totals: 100.4 84.7 3,077.9 17.0			

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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
Jonesboro Zone 04A Applications								
July 2023	07/10/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	40.5	40.3	1,464.6	10.0
	07/18/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	42.8	42.5	1,544.6	10.0
Total Permanone 30-30 (General Use) Applied:					83.3	82.8	3,009.1	20.0

Jonesboro Zone 04B Applications								
July 2023	07/03/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	40.3	30.3	1,102.4	7.0
	07/27/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	47.6	46.3	1,684.6	11.0
Total Permanone 30-30 (General Use) Applied:					87.9	76.7	2,787.0	18.0

Jonesboro Zone 05A Applications								
July 2023	07/04/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	34.6	11.7	424.7	4.0
	07/05/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	43.8	42.7	1,553.3	9.0
	07/11/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:5	48.3	46.6	1,693.7	11.0
Total Permanone 30-30 (General Use) Applied:					126.7	101.0	3,771.7	24.0
July 2023	07/25/2023	Jonesboro	Permanone 31-66 (General Use) (432-1250)	1:7	48.4	47.3	1,720.2	11.0
Total Permanone 31-66 (General Use) Applied:					48.4	47.3	1,720.2	11.0
Total Permanone 31-66 (General Use) Applied:					175.1	148.3	5,391.8	35.0

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
Jonesboro Zone 05B Applications								
July 2023	07/04/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	13.0	9.9	359.2	1.0
	07/06/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	28.2	27.7	1,007.5	5.0
				<i>Total Permanone 30-30 (General Use) Applied:</i>				
				41.2	37.6	1,366.8	6.0	

Jonesboro Zone 06 Applications								
July 2023	07/14/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	43.9	43.6	1,584.9	10.0
	07/20/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	52.6	44.5	1,617.7	9.0
				<i>Total Permanone 30-30 (General Use) Applied:</i>				
				96.5	88.1	3,202.6	19.0	

Jonesboro Zone 07 Applications								
July 2023	07/13/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	21.5	12.7	462.9	3.0
	07/19/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	52.5	50.8	1,847.5	10.0
				<i>Total Permanone 30-30 (General Use) Applied:</i>				
				74.0	63.5	2,310.3	13.0	

Jonesboro Zone 08A Applications								
July 2023	07/06/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	31.4	26.5	962.5	7.0
	07/10/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	32.2	24.5	889.4	6.0

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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
	07/12/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	38.0	32.6	1,185.3	7.0
	07/24/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	39.2	33.6	1,222.1	8.0
Total Permanone 30-30 (General Use) Applied: 28.0								
Jonesboro Zone 08A Totals: 140.7 117.1 4,259.2 28.0								

Jonesboro Zone 08B Applications

July 2023	07/11/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	39.2	34.8	1,265.0	8.0
	07/25/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	43.6	37.5	1,364.6	8.0
Total Permanone 30-30 (General Use) Applied: 16.0								
Jonesboro Zone 08B Totals: 82.7 72.3 2,629.6 16.0								

Jonesboro Zone 09 Applications

July 2023	07/13/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	46.8	46.1	1,677.7	10.0
	07/27/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	64.1	50.5	1,835.1	11.0
Total Permanone 30-30 (General Use) Applied: 21.0								
Jonesboro Zone 09 Totals: 110.9 96.6 3,512.7 21.0								

Jonesboro Zone 10A Applications

July 2023	07/12/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	51.9	40.4	1,469.3	10.0
	07/18/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	27.8	27.7	1,006.1	5.0
Total Permanone 30-30 (General Use) Applied: 15.0								

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Jonesboro, AR 72401

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
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Jonesboro Zone 10A Totals:

79.8

68.1

2,475.4

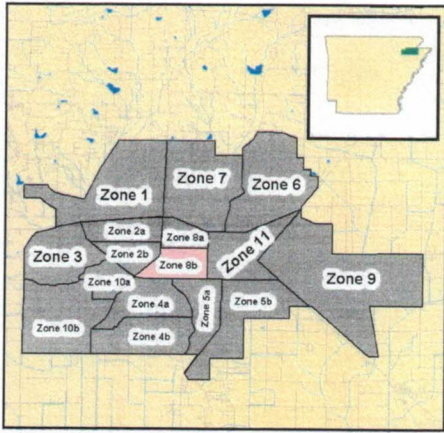
15.0

Jonesboro Zone 10B Applications

July 2023	07/01/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	50.0	29.6	1,076.3	6.0
Total Permanone 30-30 (General Use) Applied: 6.0								
July 2023	07/18/2023	Jonesboro	Permanone 31-66 (General Use) (432-1250)	1:7	54.2	37.7	1,371.9	15.0
Total Permanone 31-66 (General Use) Applied: 15.0								
Jonesboro Zone 10B Totals:					104.2	67.3	2,448.1	21.0

Jonesboro Zone 11 Applications

July 2023	07/07/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	41.8	35.8	1,302.4	7.0
July 2023	07/26/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	48.0	40.2	1,463.1	8.0
Total Permanone 30-30 (General Use) Applied: 15.0								
Jonesboro Zone 11 Totals:					89.8	76.1	2,765.6	15.0
Grand Totals:					1,393.4	1,193.5	43,396.8	264.0



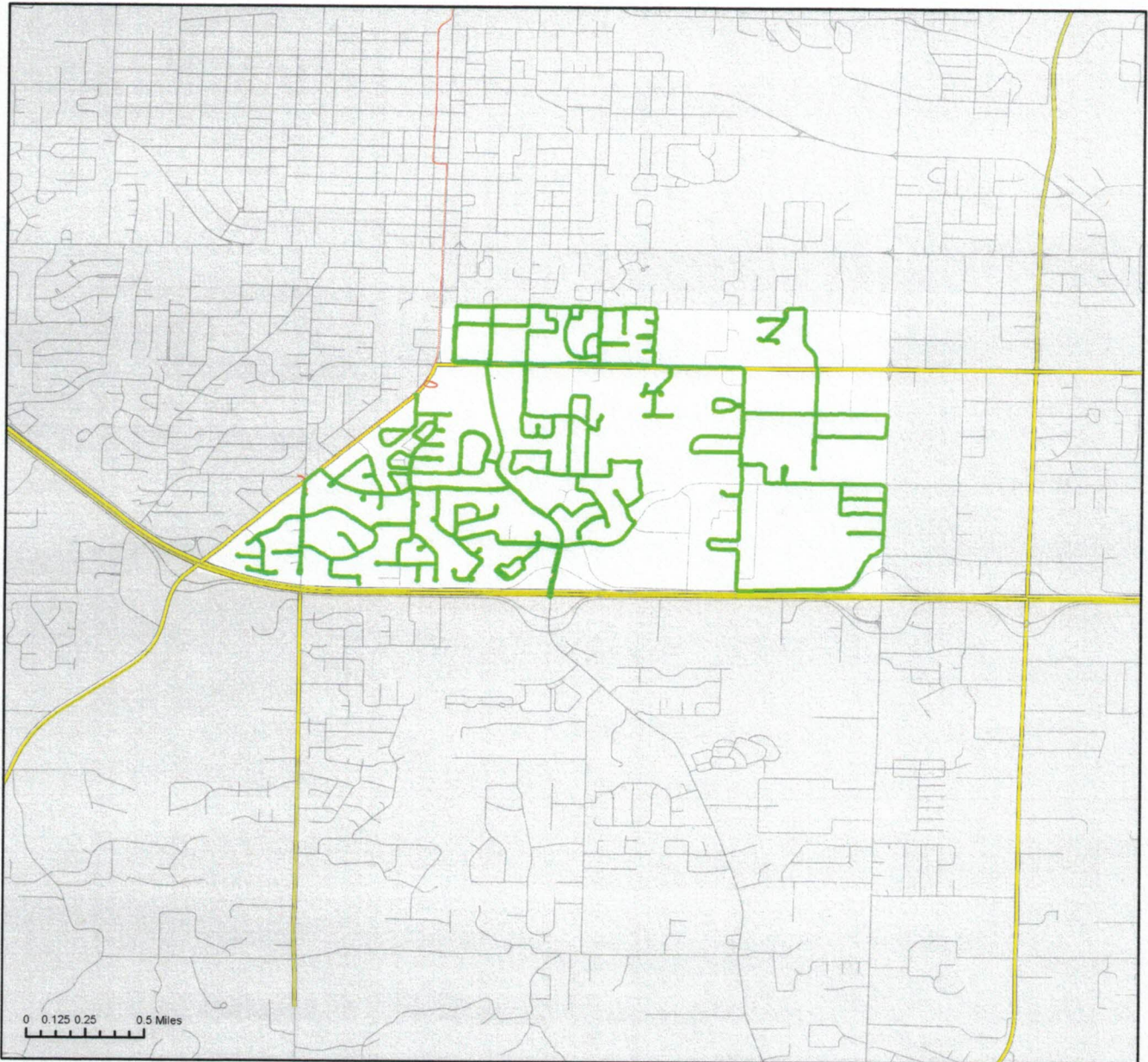
Jonesboro, Arkansas

Ground Adulticide Application Date:
July 11, 2023

Sprayer Status

- Spray Off
- Spray On

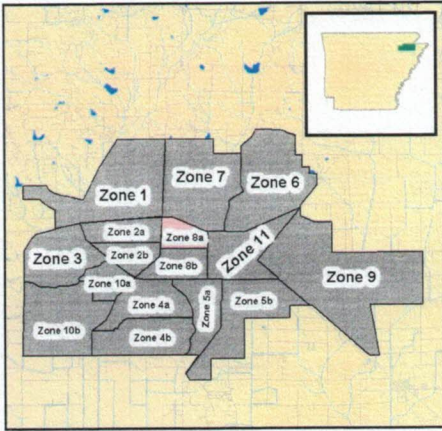
Chemical: Permanone 30-30
Quantity Used: 16.2 gal
Miles Treated: 34.8
Acres Treated: 1,265.0



0 0.125 0.25 0.5 Miles

Jonesboro, Arkansas

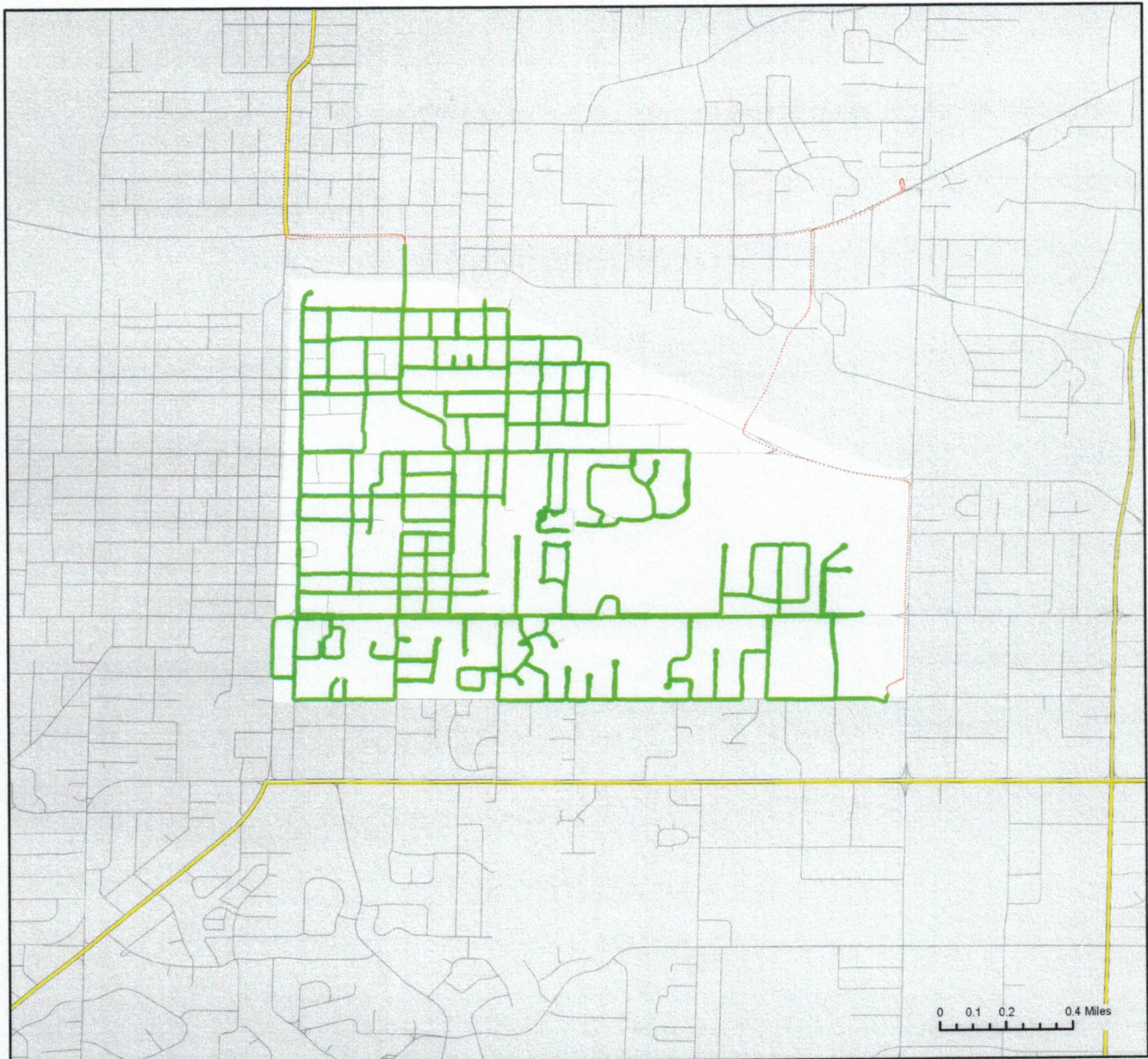
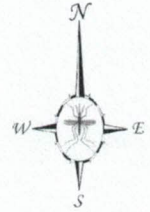
Ground Adulticide Application Date:
July 24, 2023



Sprayer Status

- Spray Off
- Spray On

Chemical: Permanone 30-30
Quantity Used: 15.7 gal
Miles Treated: 33.6
Acres Treated: 1,222.2

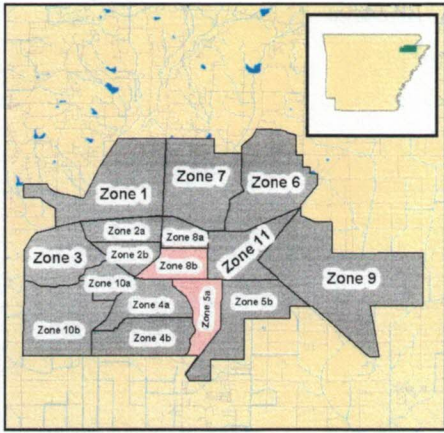


VDCI
1320 Brookland Dr., Suite H
Little Rock, AR 72202

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Jonesboro, Arkansas

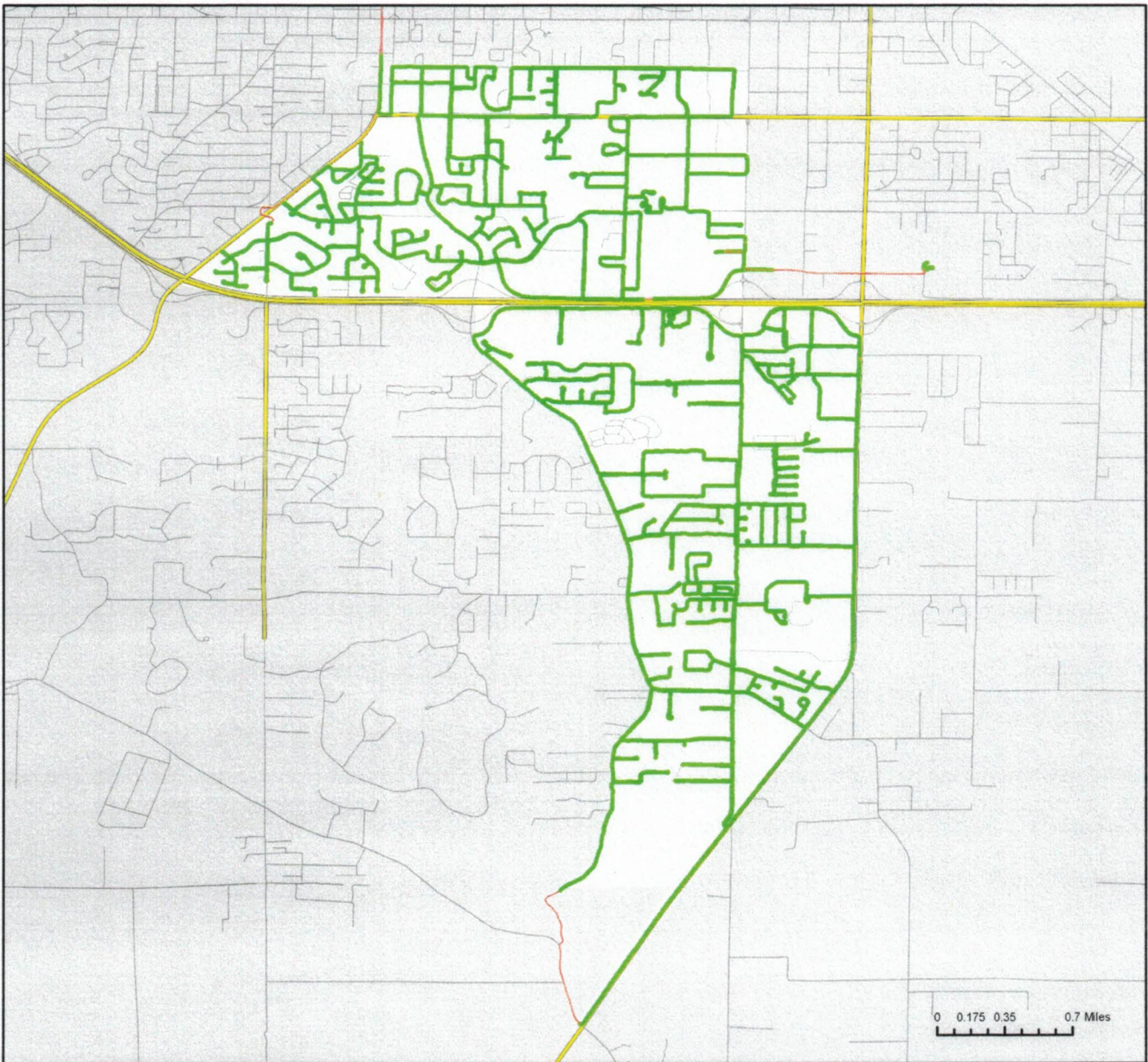
Ground Adulticide Application Date:
July 25, 2023



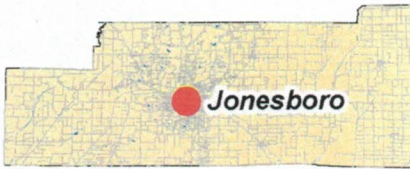
Sprayer Status

- Spray Off
- Spray On

Chemical: Permanone 30-30
Quantity Used: 40.1 gal
Miles Treated: 84.8
Acres Treated: 3,084.8



Craighead County



Jonesboro, Arkansas

Aerial Adulticide Application Date:
July 2, 2023



Flight Line

Spray Off

Spray On

Towers

Spray Deposition

Treatment Areas



Aircraft: 68MW

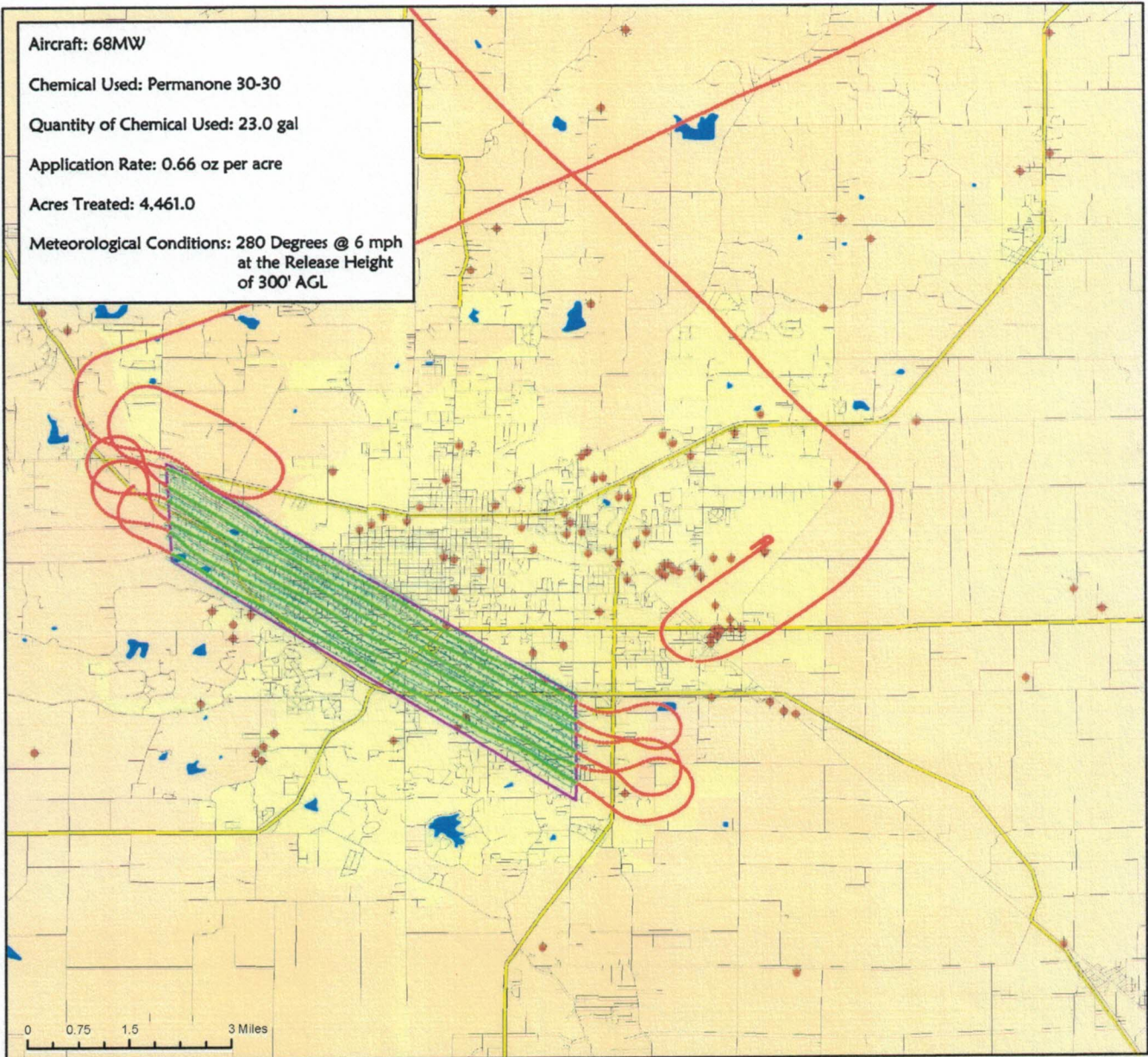
Chemical Used: Permanone 30-30

Quantity of Chemical Used: 23.0 gal

Application Rate: 0.66 oz per acre

Acres Treated: 4,461.0

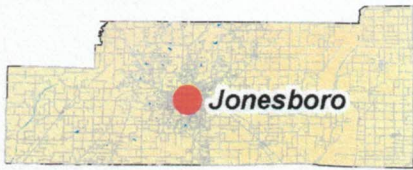
Meteorological Conditions: 280 Degrees @ 6 mph
at the Release Height
of 300' AGL



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Craighead County



Jonesboro, Arkansas

Aerial Adulicide Application Date:
July 20, 2023



Flight Line

Spray Off

Spray On

Towers

Spray Deposition

Treatment Areas



Aircraft: 68MW

Chemical Used: Permanone 30-30

Quantity of Chemical Used: 70.0 gal

Application Rate: 0.66 oz per acre

Acres Treated: 13,576.0

Meteorological Conditions: 010 Degrees @ 4 mph
at the Release Height
of 300' AGL

