

July, 2022 Mosquito Control Report

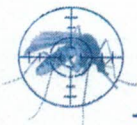


Jonesboro, AR

Prepared by:
Vector Disease Control
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Jonesboro, AR 72401
www.vdci.net
Office: 870-933-6939

Global Leaders in Mosquito Control





City of Jonesboro Activity Report

July 2022

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 195.94 mosquitoes per trap night (1,268 total mosquitoes) during this time. There have been a total of 1 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, 1 sites inspected with 4 sites having mosquito larvae present. As a result of these inspections 2 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 (35) 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 1,422.90 spray miles (51,737.50 acres) were treated with a total of 283.00 gallons of adulticide in residential and recreational areas. In addition to routine truck spraying, VDCI has responded to 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.



Ground Adulticide Applications

Start Date: 07/01/2022 End Date: 07/31/2022

Jonesboro

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
Jonesboro Zone 01 Applications								
July 2022	07/08/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	43.4	35.6	1,295.5	9.0
	07/14/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	44.1	37.8	1,372.6	8.0

Total Permanone 30-30 (General Use) Applied: 17.0

Jonesboro Zone 01 Totals: 87.5 73.4 2,668.1 17.0

Jonesboro Zone 02A Applications

July 2022	07/14/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	41.5	37.6	1,367.1	6.0
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Total Permanone 30-30 (General Use) Applied: 6.0

Jonesboro Zone 02A Totals: 41.5 37.6 1,367.1 6.0

Jonesboro Zone 03 Applications

July 2022	07/06/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	48.0	47.1	1,711.8	10.0
	07/12/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	51.2	38.4	1,395.7	8.0
	07/14/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	45.0	34.8	1,264.2	7.0
	07/22/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	48.7	47.9	1,740.6	10.0

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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
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Total Permethane 30-30 (General Use) Applied: 35.0

Jonesboro Zone 03 Totals: 192.9 168.1 6,112.3 35.0

Jonesboro Zone 04A Applications

July 2022	07/11/2022	Jonesboro	Permethane 30-30 (General Use) (432-1235)	1:3	55.1	42.3	1,536.9	7.0
	07/21/2022	Jonesboro	Permethane 30-30 (General Use) (432-1235)	1:3	55.7	39.5	1,437.0	11.0

Total Permethane 30-30 (General Use) Applied: 18.0

Jonesboro Zone 04A Totals: 110.8 81.8 2,973.9 18.0

Jonesboro Zone 04B Applications

July 2022	07/06/2022	Jonesboro	Permethane 30-30 (General Use) (432-1235)	1:3	51.8	36.1	1,313.0	7.0
	07/12/2022	Jonesboro	Permethane 30-30 (General Use) (432-1235)	1:4	48.2	36.0	1,307.9	6.0
	07/14/2022	Jonesboro	Permethane 30-30 (General Use) (432-1235)	1:3	49.6	35.6	1,292.6	8.0
	07/19/2022	Jonesboro	Permethane 30-30 (General Use) (432-1235)	1:3	47.0	45.8	1,666.7	6.0
	07/25/2022	Jonesboro	Permethane 30-30 (General Use) (432-1235)	1:3	43.6	43.3	1,574.0	11.0
	07/25/2022	Jonesboro	Permethane 30-30 (General Use) (432-1235)	1:3	43.8	37.3	1,354.4	11.0

Total Permethane 30-30 (General Use) Applied: 49.0

Jonesboro Zone 04B Totals: 284.0 234.0 8,508.6 49.0

Jonesboro Zone 05A Applications

July 2022	07/01/2022	Jonesboro	Permethane 30-30 (General Use) (432-1235)	1:4	67.7	38.0	1,381.0	6.0
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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
	07/19/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	53.6	37.3	1,355.5	7.0
<i>Total Permanone 30-30 (General Use) Applied: 13.0</i>								
<i>Jonesboro Zone 05A Totals: 121.3 75.3 2,736.5 13.0</i>								

Jonesboro Zone 05B Applications								
July 2022	07/08/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	54.2	52.7	1,915.8	10.0
<i>Total Permanone 30-30 (General Use) Applied: 10.0</i>								
<i>Jonesboro Zone 05B Totals: 54.2 52.7 1,915.8 10.0</i>								

Jonesboro Zone 06 Applications								
July 2022	07/01/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	55.1	54.4	1,978.4	11.0
	07/27/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	38.3	28.8	1,046.4	6.0
<i>Total Permanone 30-30 (General Use) Applied: 17.0</i>								
<i>Jonesboro Zone 06 Totals: 93.4 83.2 3,024.8 17.0</i>								

Jonesboro Zone 07 Applications								
July 2022	07/14/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	40.1	37.2	1,350.8	7.0
	07/22/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	49.9	43.8	1,591.1	11.0
	07/27/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	38.6	38.0	1,380.6	8.0
<i>Total Permanone 30-30 (General Use) Applied: 26.0</i>								

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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
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Jonesboro Zone 07 Totals: 128.5 118.9 4,322.5 26.0

Jonesboro Zone 08A Applications								
July 2022	07/05/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	44.2	43.6	1,586.4	10.0
	07/13/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	42.6	42.0	1,526.0	9.0
	07/18/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	40.7	40.2	1,461.3	9.0
	07/25/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	43.9	37.3	1,355.5	6.0

Total Permanone 30-30 (General Use) Applied: 34.0

Jonesboro Zone 08A Totals: 171.3 163.1 5,929.2 34.0

Jonesboro Zone 08B Applications								
July 2022	07/13/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	42.1	35.0	1,271.5	6.0
	07/18/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	47.3	36.1	1,312.6	7.0

Total Permanone 30-30 (General Use) Applied: 13.0

Jonesboro Zone 08B Totals: 89.4 71.1 2,584.1 13.0

Jonesboro Zone 09 Applications								
July 2022	07/11/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	46.5	46.0	1,671.5	10.0
	07/26/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	64.6	46.2	1,678.0	10.0

Total Permanone 30-30 (General Use) Applied: 20.0

Jonesboro Zone 09 Totals: 111.1 92.1 3,349.5 20.0

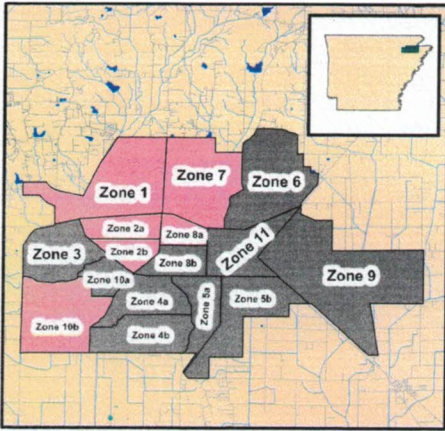
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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
Jonesboro Zone 10B Applications								
July 2022	07/05/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	49.5	40.6	1,476.9	7.0
	07/12/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	45.5	44.4	1,614.8	8.0
	07/21/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:3	46.5	45.9	1,667.8	3.0
Total Permanone 30-30 (General Use) Applied: 18.0								
Jonesboro Zone 10B Totals: 141.5 130.9 4,759.5 18.0								
Jonesboro Zone 11 Applications								
July 2022	07/14/2022	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	53.1	40.9	1,485.7	7.0
Total Permanone 30-30 (General Use) Applied: 7.0								
Jonesboro Zone 11 Totals: 53.1 40.9 1,485.7 7.0								
Grand Totals: 1,680.4 1,422.9 51,737.5 283.0								

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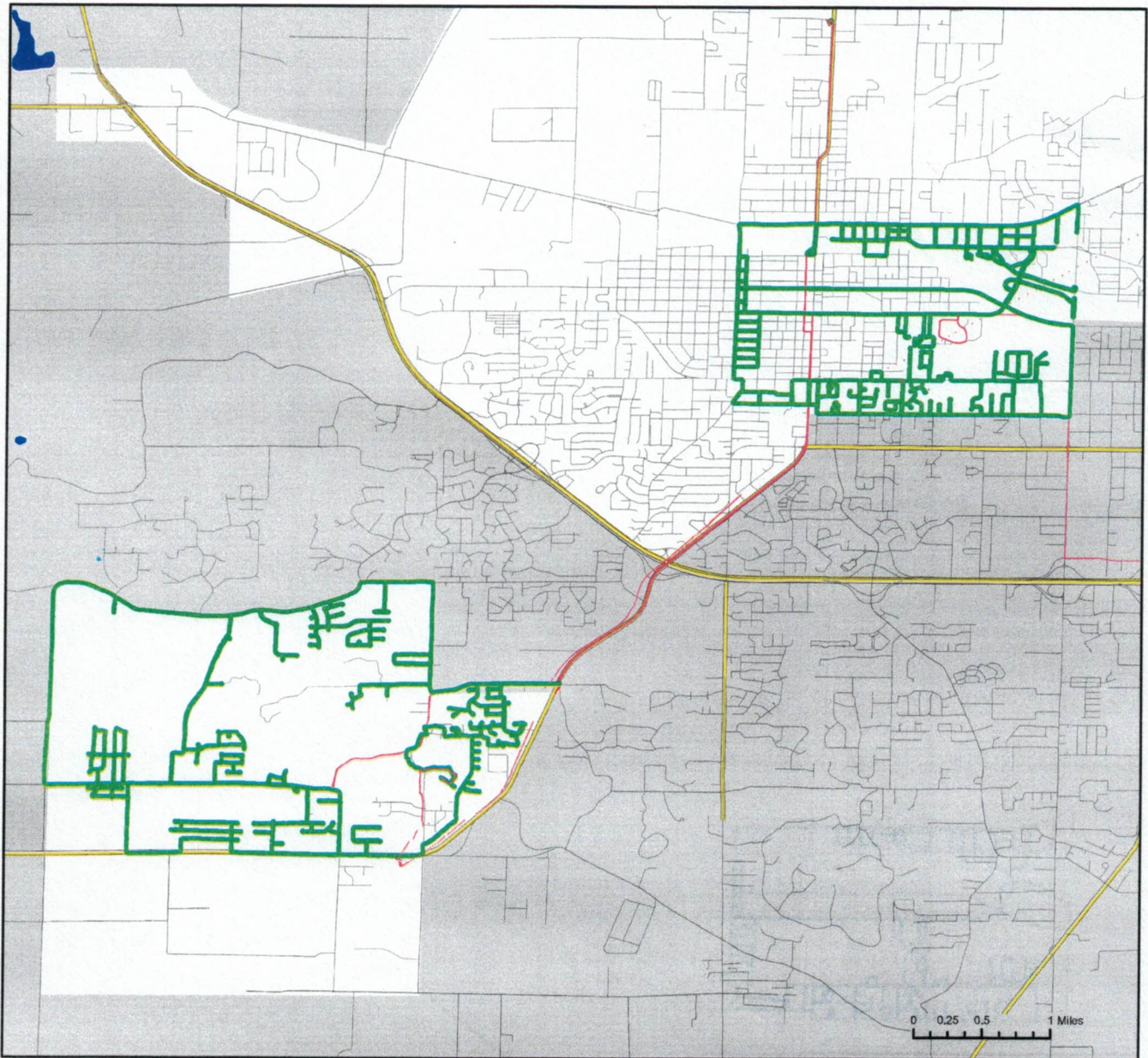
Ground Adulticide Application Date:
July 5, 2022



Sprayer Status

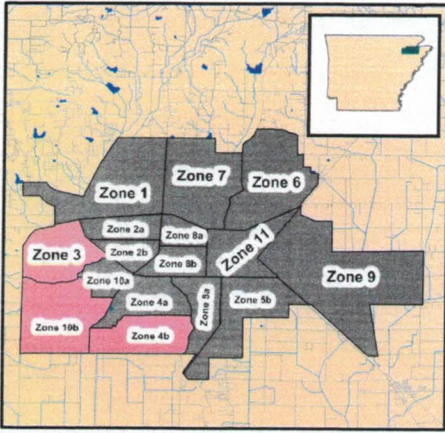
- Spray Off
- Spray On

Chemical: Permanone 30-30
Quantity Used: 15.8 gal
Chemical: Perm-X UL 30-30
Quantity Used: 16.3 gal
Miles Treated: 84.7
Acres Treated: 3,078.8



Jonesboro, Arkansas

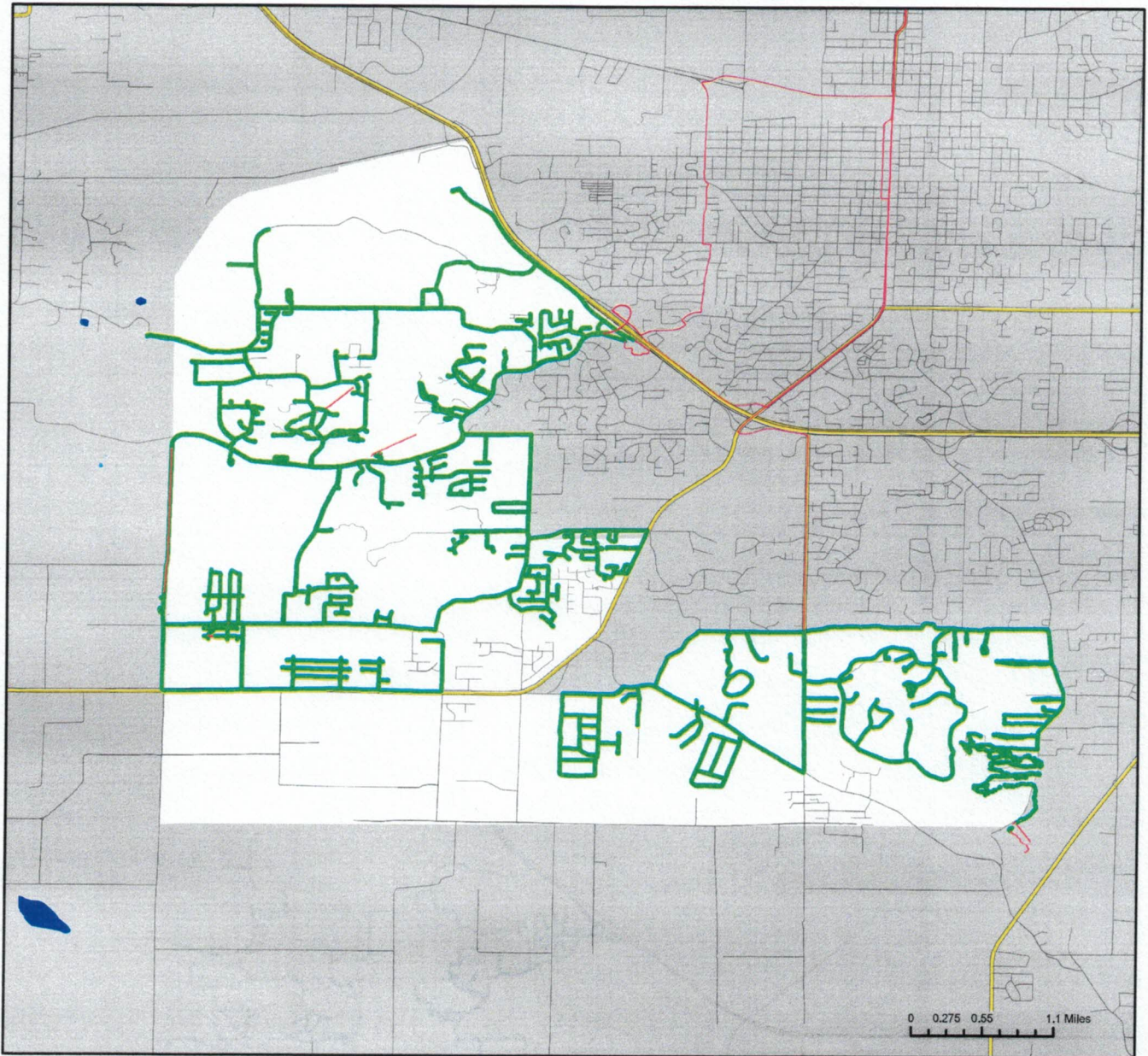
Ground Adulticide Application Date:
July 12, 2022



Sprayer Status

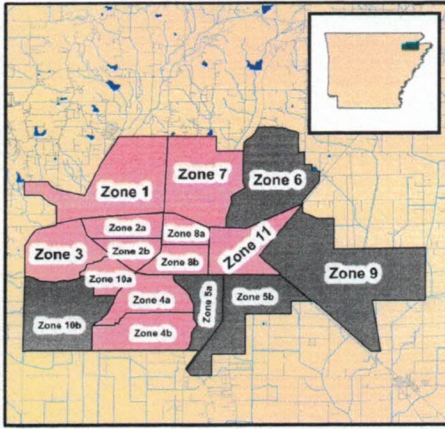
- Spray Off
- Spray On

Chemical: Permanone 30-30
Quantity Used: 30.8 gal
Chemical: Perm-X UL 30-30
Quantity Used: 16.8 gal
Miles Treated: 119.6
Acres Treated: 4,347.8



Jonesboro, Arkansas

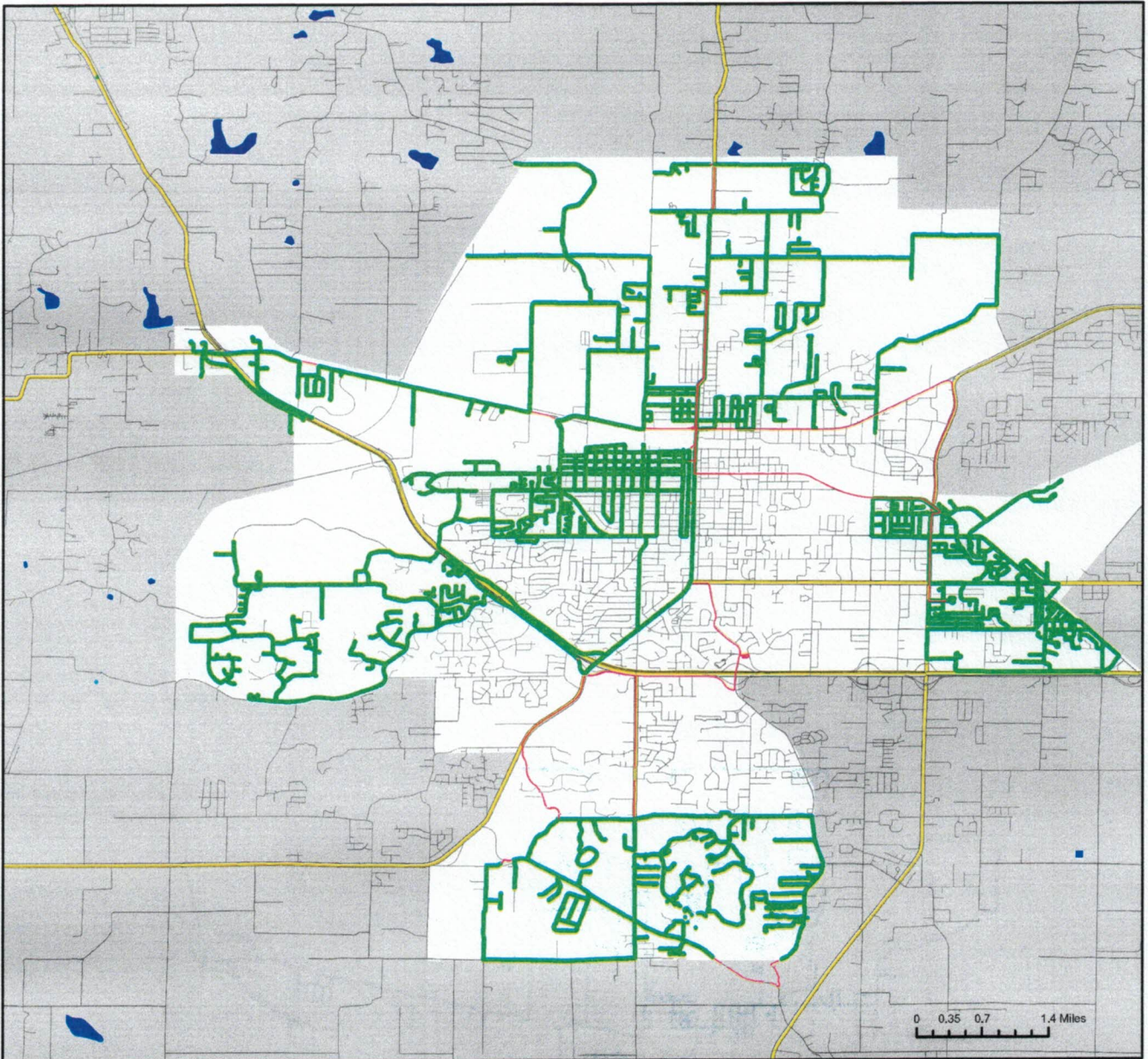
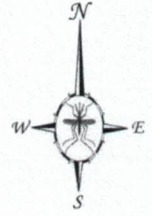
Ground Adulticide Application Date:
July 14, 2022



Sprayer Status

- Spray Off
- Spray On

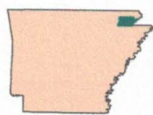
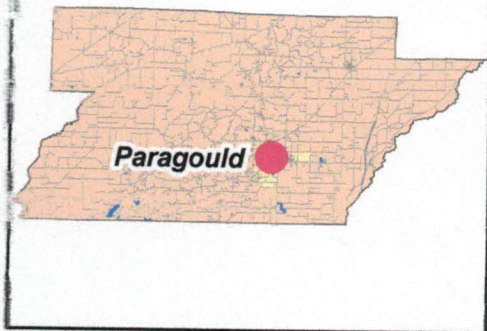
Chemical: Permanone 30-30
Quantity Used: 66.6 gal
Chemical: Perm-X UL 30-30
Quantity Used: 27.6 gal
Miles Treated: 223.7
Acres Treated: 8,133.2



Greene County

Paragould, Arkansas

Aerial Adulticide Application Date:
July 3, 2022



Flight Line

Spray Off

Spray On

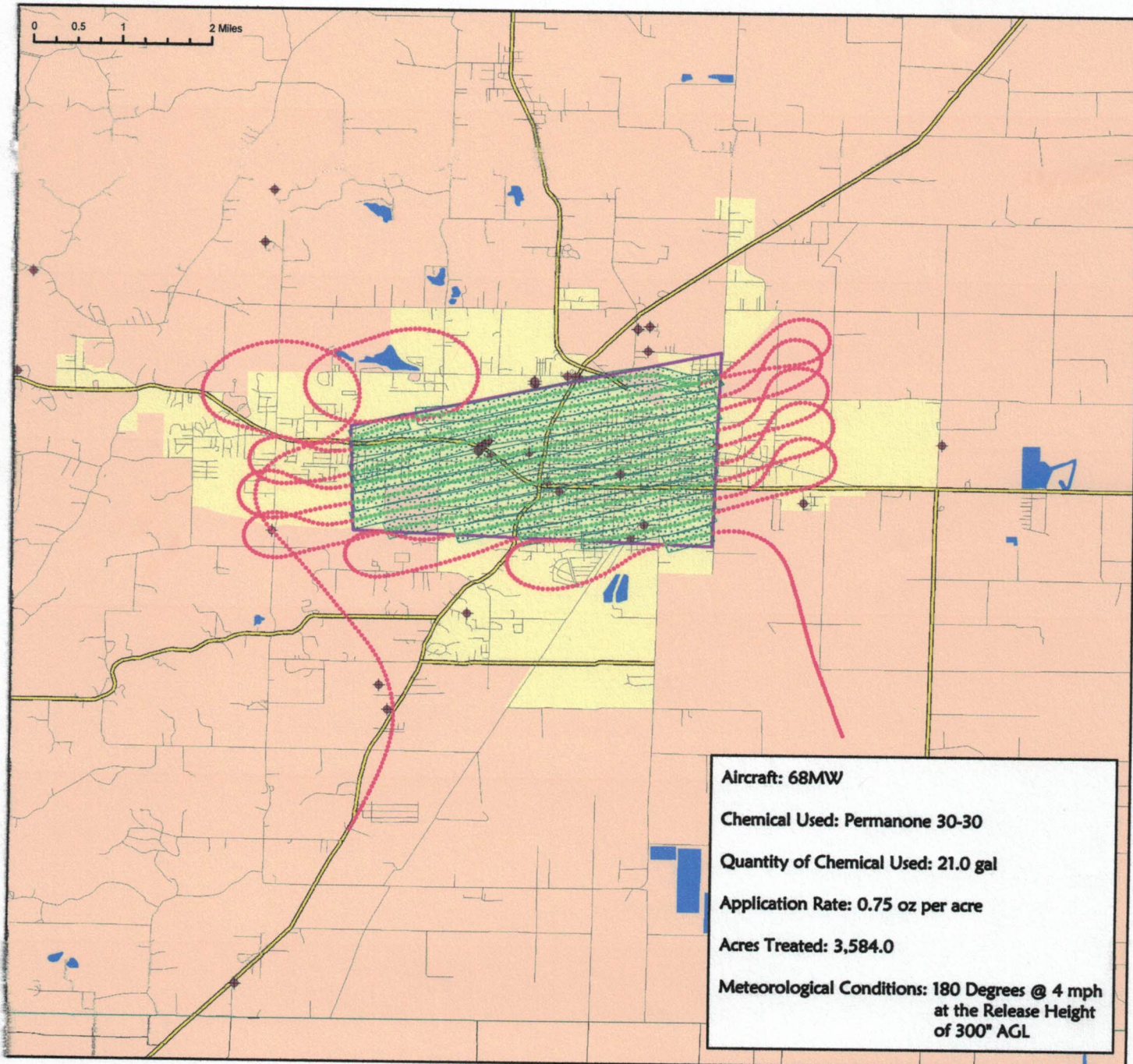
Towers

Spray Deposition

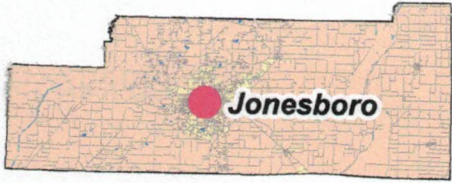
Treatment Areas



0 0.5 1 2 Miles



Craighead County




Jonesboro, Arkansas

Aerial Adulticide Application Date:
July 3, 2022



Flight Line

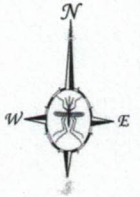
Towers 

Spray Off 

Spray Deposition 

Spray On 

Treatment Areas 



Aircraft: 68MW

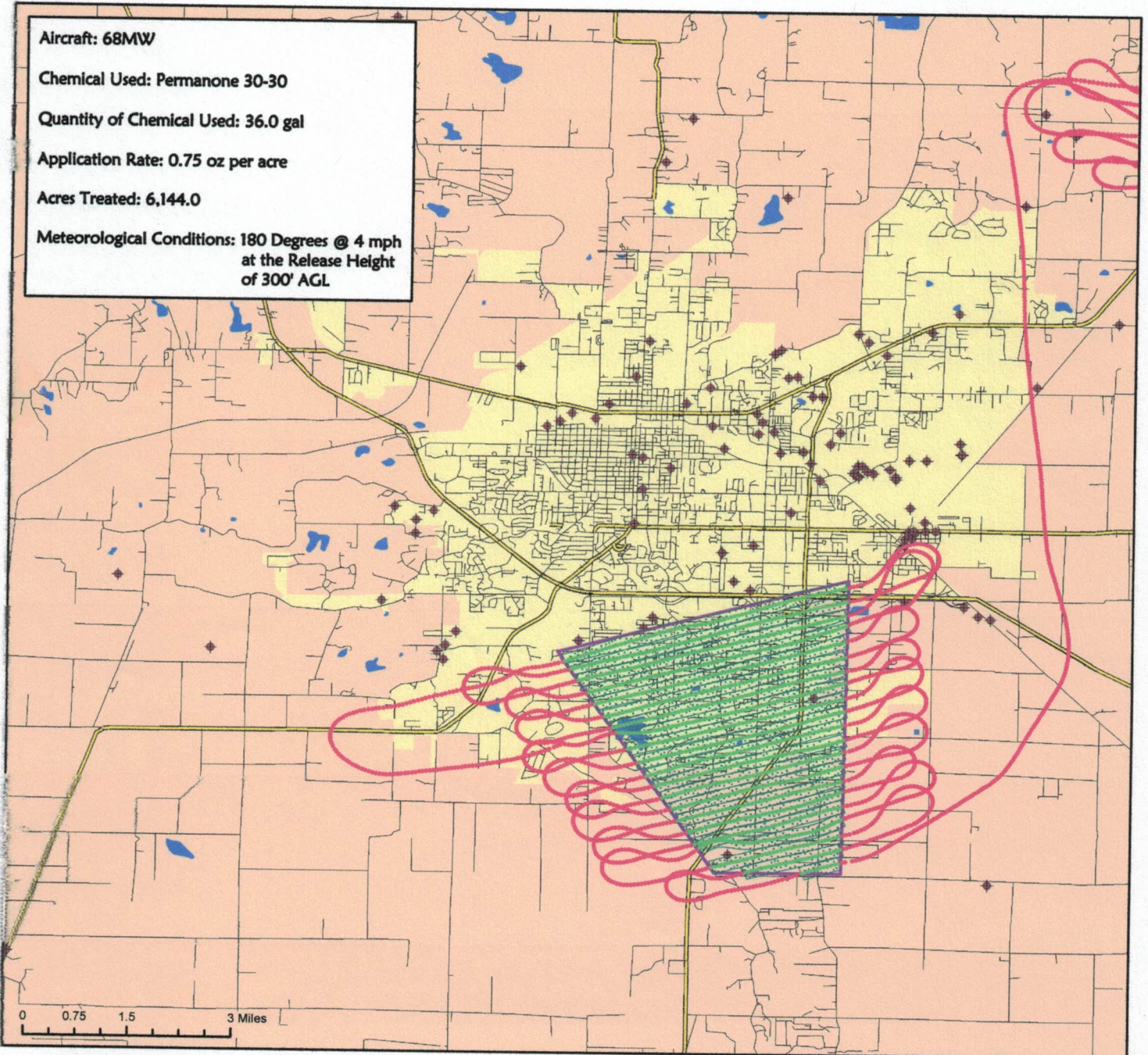
Chemical Used: Permanone 30-30

Quantity of Chemical Used: 36.0 gal

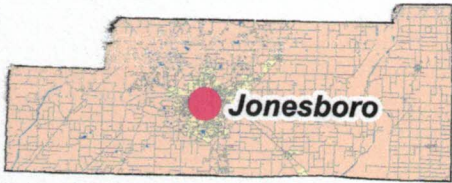
Application Rate: 0.75 oz per acre

Acres Treated: 6,144.0

**Meteorological Conditions: 180 Degrees @ 4 mph
at the Release Height
of 300' AGL**



Craighead County



Jonesboro, Arkansas

Aerial Adulticide Application Date:
July 15, 2022



Flight Line

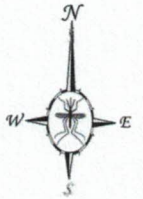
Spray Off

Spray On

Towers

Spray Deposition

Treatment Areas



Aircraft: 68MW

Chemical Used: Permanone 30-30

Quantity of Chemical Used: 128.0 gal

Application Rate: 0.72 oz per acre

Acres Treated: 22,756.0

Meteorological Conditions: 150 Degrees @ 3 mph
at the Release Height
of 300' AGL

