

# April 2020 Mosquito Control Report

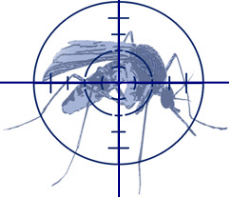


Ridgeland, Mississippi

*Prepared by:*  
**Vector Disease Control**  
842 Foley Street  
Jackson, MS 39202  
[www.vdci.net](http://www.vdci.net)  
Cell: 601-941-7718  
Office: 769-572-5708

Global Leaders in Mosquito Control





# Vector Disease Control International

Mosquito Control Specialists

TO: MAYOR McGEE AND THE CITY OF RIDGELAND COUNCIL

Vector Disease Control International (VDCI) is committed to providing the best possible service to our customers and this dedication is evident in everything we do. We strive to improve the quality of human life in communities through education, surveillance and the control of mosquitoes and other disease vectors. We are also committed to research and the use and support of application technologies. VDCI is a company built on the foundations of public health, ethics, professionalism, and technical expertise. Many of our staff come from the field of public health and have directed mosquito control districts all over the country. At all times, we will conduct business through partnerships with our customers in a manner that protects the environment and the welfare of local residents.

Because it is often impossible to eradicate all mosquitoes given their behavior patterns, resilient nature and enormous breeding potential, our goal is to manage mosquito populations within tolerable levels and simultaneously help prevent possible outbreaks of mosquito-borne diseases. To achieve this goal, we use a combination of the most effective methods of controlling mosquitoes including surveillance, public education, biological control and the use of insecticides. Inspection of the treatment area coupled with collections from mechanical traps enable us to determine which species of mosquito are present, their population size and locations. This information is critical for determining when, where, and how often larvicides and adulticides need to be applied.

Please review the following report for the City of Ridgeland. If you have any questions or concerns, don't hesitate to call our office at 769-572-5708 or email us at [Jackson@vdc.net](mailto:Jackson@vdc.net) or [bcobb@vdc.net](mailto:bcobb@vdc.net) and I will be glad to answer any questions you might have.

Sincerely,

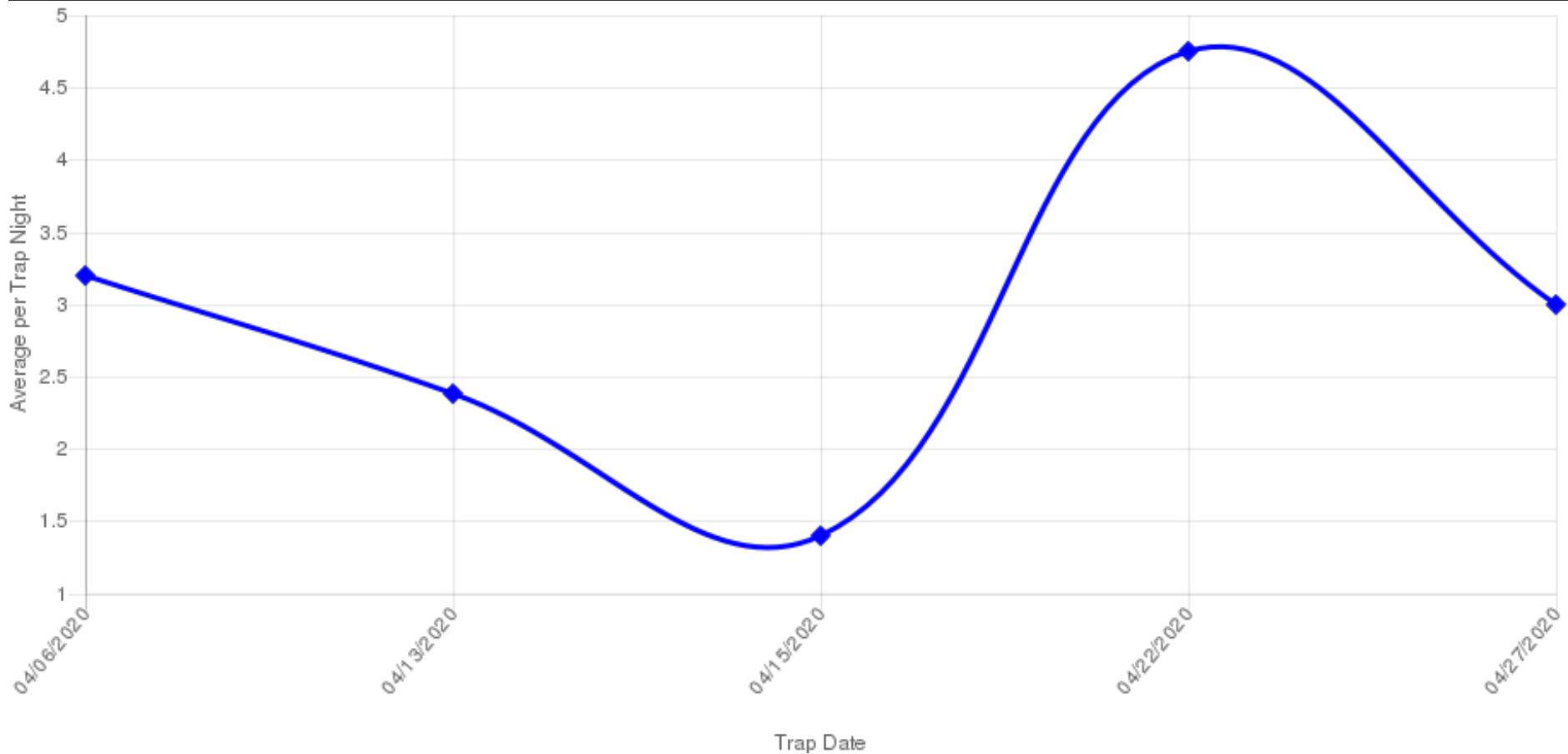
Brandon Cobb, Contract Supervisor



# Adult Mosquito Surveillance Summary

Start Date: 04/01/2020    End Date: 04/30/2020

City of Ridgeland, MS



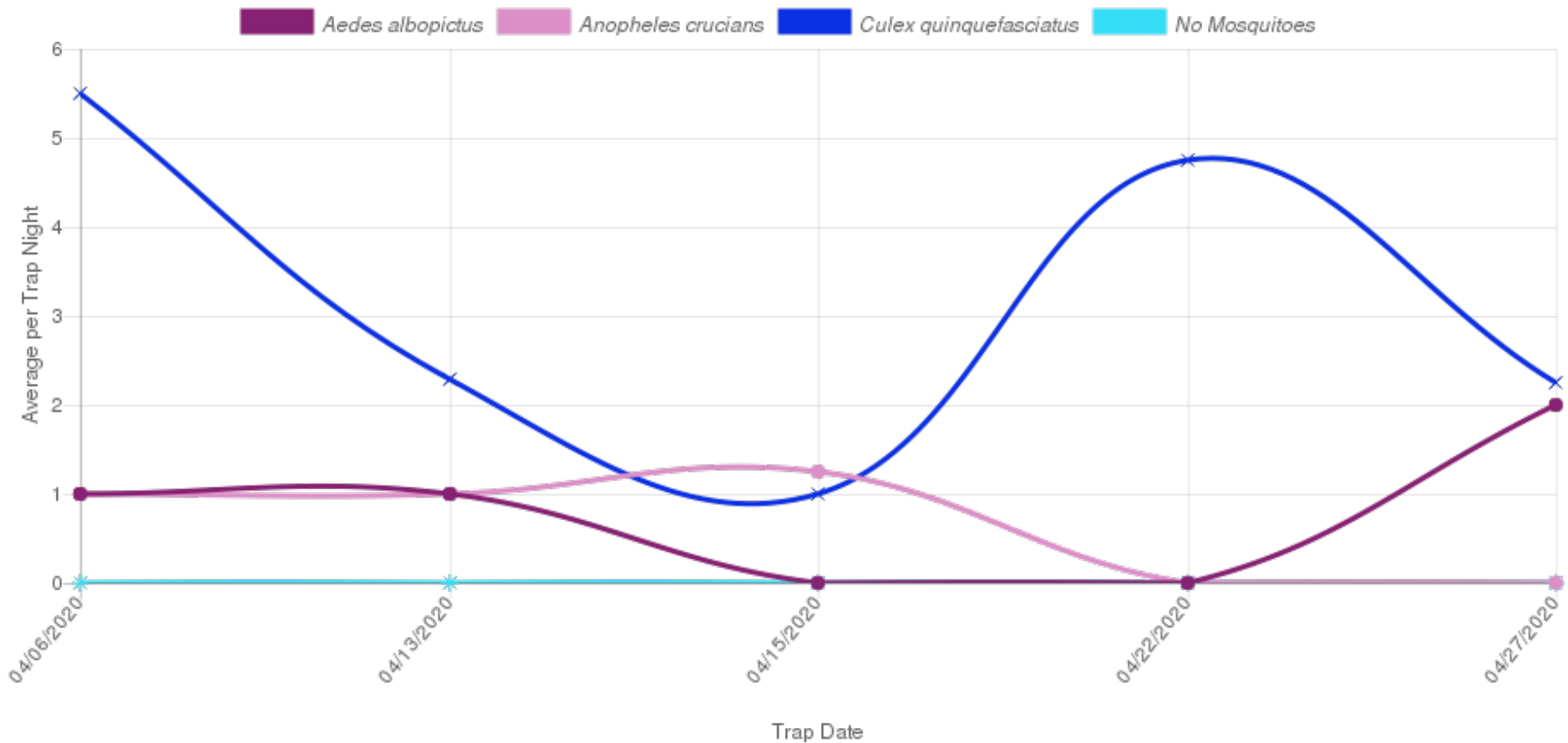
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# Adult Mosquito Surveillance Summary

Start Date: 04/01/2020    End Date: 04/30/2020

City of Ridgeland, MS





# Larvicide Applications

Start Date: 04/01/2020    End Date: 04/30/2020

## City of Ridgeland, MS

Date	Site Name	Habitat	No. of Larvae	Larvicide	Amount Applied (oz.)	Area Treated (sq. ft.)
Ridgeland Zone 02 Applications						
04/06/2020	Ridgeland.an.05	Ditch	11-50	Vectobac G (73049-10)	1.0	1,361.3
04/06/2020	Ridgeland.an.03	Ditch	1-10	Vectobac G (73049-10)	1.0	1,361.3
04/06/2020	Ridgeland.an.04	Ditch	1-10	Vectobac G (73049-10)	1.0	1,361.3
04/06/2020	Ridgeland.an.01	Ditch	1-10	Vectobac G (73049-10)	1.0	1,361.3
04/06/2020	Ridgeland.an.02	Ditch	1-10	Vectobac G (73049-10)	1.0	1,361.3
04/07/2020	Ridgeland.an.10	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/07/2020	Ridgeland.an.08	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/07/2020	Ridgeland.an.09	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/07/2020	Ridgeland.an.11	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/07/2020	Ridgeland.an.06	Ditch	1-10	Vectobac G (73049-10)	1.0	272.3
04/07/2020	Ridgeland.an.12	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/07/2020	Ridgeland.an.07	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/09/2020	Ridgeland.an.13	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/09/2020	Ridgeland.an.17	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/09/2020	Ridgeland.an.14	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/09/2020	Ridgeland.an.18	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/09/2020	Ridgeland.an.15	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/09/2020	Ridgeland.an.16	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
<b>Total Ounces Applied</b>					<b>18.0</b>	<b>10,345.3 0.2 acres</b>

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Date	Site Name	Habitat	No. of Larvae	Larvicide	Amount Applied (oz.)	Area Treated (sq. ft.)
<b>Total Larvicide Applied in Ridgeland Zone 02:</b>					18.0	10,345.3 0.2 acres
<b>Ridgeland Zone 03 Applications</b>						
04/13/2020	Ridgeland.an.04	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/13/2020	Ridgeland.an.02	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/13/2020	AN.041320	Ditch	11-50	Vectobac G (73049-10)	1.0	272.2
04/13/2020	Ridgeland.an.01	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/13/2020	Ridgeland.an.05	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/13/2020	Ridgeland.an.03	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/20/2020	An.042020	Ditch	1-10	Vectobac G (73049-10)	1.0	1,361.3
04/20/2020	An.042020	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/20/2020	An.042020	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/20/2020	An.042020	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/21/2020	April Nulisch	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
04/21/2020	An.042120	Ditch	1-10	Vectobac G (73049-10)	1.0	272.2
<b>Total Ounces Applied</b>					12.0	4,355.8 0.1 acres
<b>Total Larvicide Applied in Ridgeland Zone 03:</b>					12.0	4,355.8 0.1 acres
<b>Ridgeland Zone 04 Applications</b>						
04/22/2020	An.042220	Ditch	1-10	Vectobac G (73049-10)	1.0	272.3
04/22/2020	An.042220	Ditch	1-10	Vectobac G (73049-10)	1.0	272.3
04/22/2020	An.042220	Ditch	1-10	Vectobac G (73049-10)	1.0	272.3
04/27/2020	An.042720	Ditch	1-10	Vectobac G (73049-10)	1.0	272.3
04/27/2020	An.042720	Ditch	1-10	Vectobac G (73049-10)	1.0	272.3
04/27/2020	An.042720	Ditch	1-10	Vectobac G (73049-10)	1.0	272.3
04/27/2020	An.042720	Ditch	1-10	Vectobac G (73049-10)	1.0	272.3
<b>Total Ounces Applied</b>					7.0	1,905.8 0.0 acres

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<b>Date</b>	<b>Site Name</b>	<b>Habitat</b>	<b>No. of Larvae</b>	<b>Larvicide</b>	<b>Amount Applied (oz.)</b>	<b>Area Treated (sq. ft.)</b>
<i>Total Larvicide Applied in Ridgeland Zone 04:</i>					7.0	1,905.8 0.0 acres
<i>Overall Total Ounces Applied</i>					37.0	16,606.8 0.4 acres



# Ground Adulticide Applications

Start Date: 04/01/2020    End Date: 04/30/2020

City of Ridgeland, MS

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed	
<b>Ridgeland Zone 01 Applications</b>									
April 2020	04/07/2020		Perm-X UL 30-30 (655-811)	1:5	60.0	24.4	888.6	5.7	
								<i>Total Perm-X UL 30-30 Applied:</i>	5.7
April 2020	04/23/2020		Perm-X UL 30-30 (89459-44)	1:5	64.6	25.4	921.6	7.0	
								<i>Total Perm-X UL 30-30 Applied:</i>	7.0
<b>Ridgeland Zone 01 Totals:</b>					<b>124.6</b>	<b>49.8</b>	<b>1,810.3</b>	<b>12.7</b>	
<b>Ridgeland Zone 02 Applications</b>									
April 2020	04/21/2020		Perm-X UL 30-30 (655-811)	1:5	64.6	28.4	1,031.0	8.0	
								<i>Total Perm-X UL 30-30 Applied:</i>	8.0
<b>Ridgeland Zone 02 Totals:</b>					<b>64.6</b>	<b>28.4</b>	<b>1,031.0</b>	<b>8.0</b>	
<b>Ridgeland Zone 03 Applications</b>									

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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
April 2020	04/27/2020		Perm-X UL 30-30 (655-811)	1:5	64.9	30.5	1,107.2	7.1
<i>Total Perm-X UL 30-30 Applied:</i>								<i>7.1</i>
April 2020	04/13/2020		Perm-X UL 30-30 (89459-44)	1:5	56.7	26.3	954.9	8.7
<i>Total Perm-X UL 30-30 Applied:</i>								<i>8.7</i>
<b><i>Ridgeland Zone 03 Totals:</i></b>					<b><i>121.6</i></b>	<b><i>56.7</i></b>	<b><i>2,062.1</i></b>	<b><i>15.8</i></b>

#### Ridgeland Zone 04 Applications

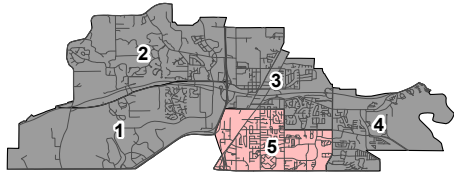
April 2020	04/29/2020		Perm-X UL 30-30 (655-811)	1:5	58.3	18.0	652.9	4.3
<i>Total Perm-X UL 30-30 Applied:</i>								<i>4.3</i>
April 2020	04/13/2020		Perm-X UL 30-30 (89459-44)	1:5	49.8	14.4	522.2	3.4
<i>Total Perm-X UL 30-30 Applied:</i>								<i>3.4</i>
<b><i>Ridgeland Zone 04 Totals:</i></b>					<b><i>108.0</i></b>	<b><i>32.3</i></b>	<b><i>1,175.1</i></b>	<b><i>7.7</i></b>

#### Ridgeland Zone 05 Applications

April 2020	04/14/2020		Perm-X UL 30-30 (655-811)	1:5	51.9	21.6	785.7	7.1
<i>Total Perm-X UL 30-30 Applied:</i>								<i>7.1</i>

<b>Month</b>	<b>Date</b>	<b>Municipality</b>	<b>Chemical</b>	<b>Mix Ratio</b>	<b>Trip Miles</b>	<b>Spray Miles</b>	<b>Spray Acres</b>	<b>Gallons Sprayed</b>
April 2020	04/06/2020		Perm-X UL 30-30 (89459-44)	1:5	52.1	24.8	900.3	5.8
	04/20/2020		Perm-X UL 30-30 (89459-44)	1:5	65.2	21.9	795.9	5.1
	04/29/2020		Perm-X UL 30-30 (89459-44)	1:5	59.0	20.2	735.6	4.8
<i>Total Perm-X UL 30-30 Applied:</i>								<i>15.7</i>
<b><i>Ridgeland Zone 05 Totals:</i></b>					<b><i>228.2</i></b>	<b><i>88.5</i></b>	<b><i>3,217.5</i></b>	<b><i>22.9</i></b>
<b><i>Grand Totals:</i></b>					<b><i>647.0</i></b>	<b><i>255.7</i></b>	<b><i>9,295.9</i></b>	<b><i>67.0</i></b>

## Ridgeland Treatment Areas



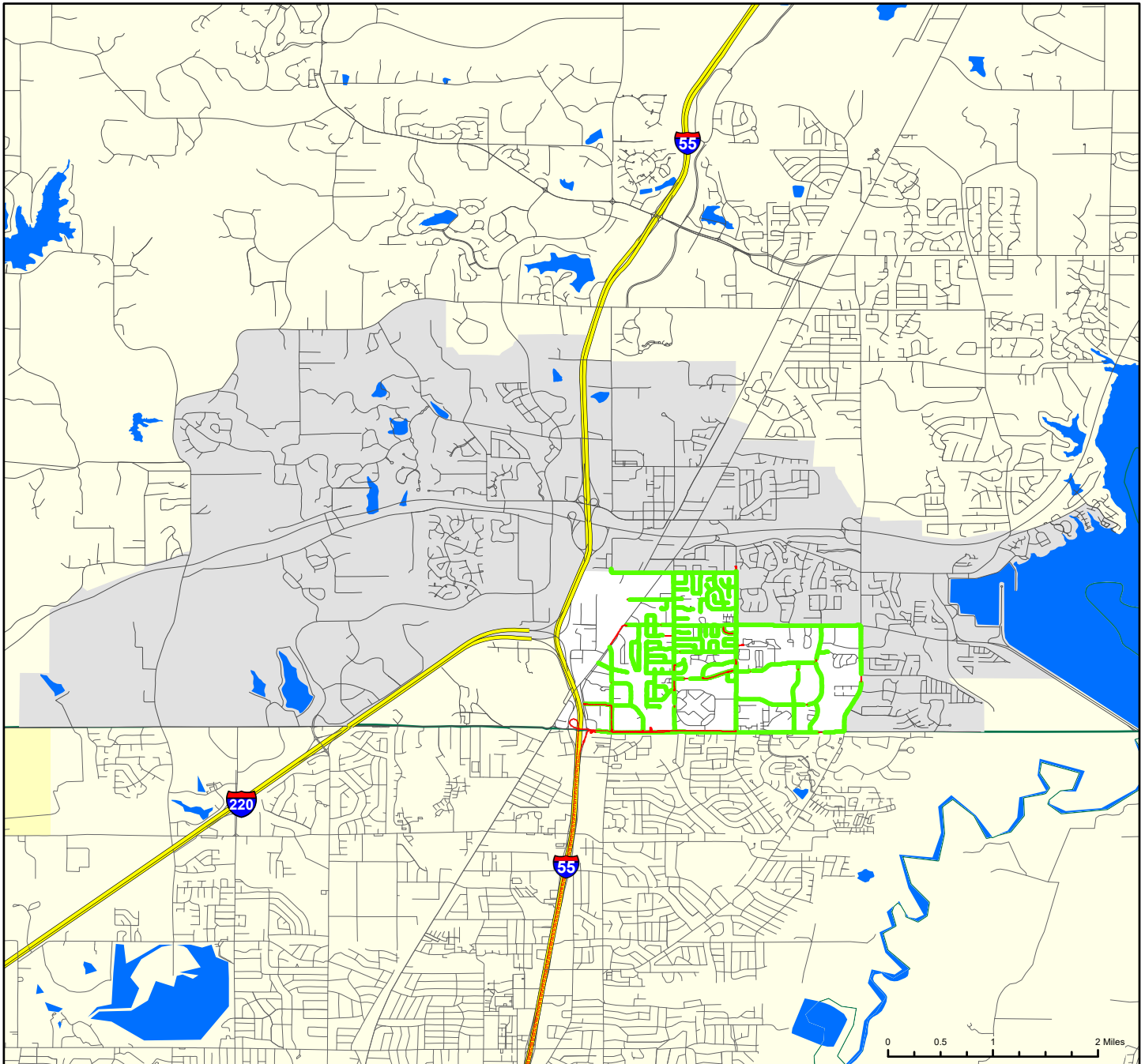
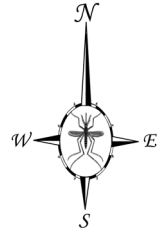
# Ridgeland, Mississippi

Ground Adulticide Application Date:  
April 6, 2020

### Sprayer Status

- Sprayer Off
- Sprayer On

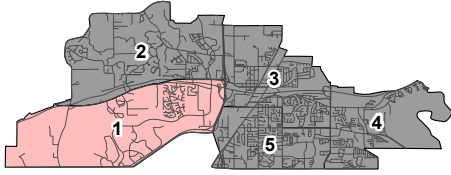
Chemical: Perm X UL 30-30  
Quantity Used: 5.9 gal  
Miles Treated: 24.8  
Acres Treated: 900.0



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## Ridgeland Treatment Areas



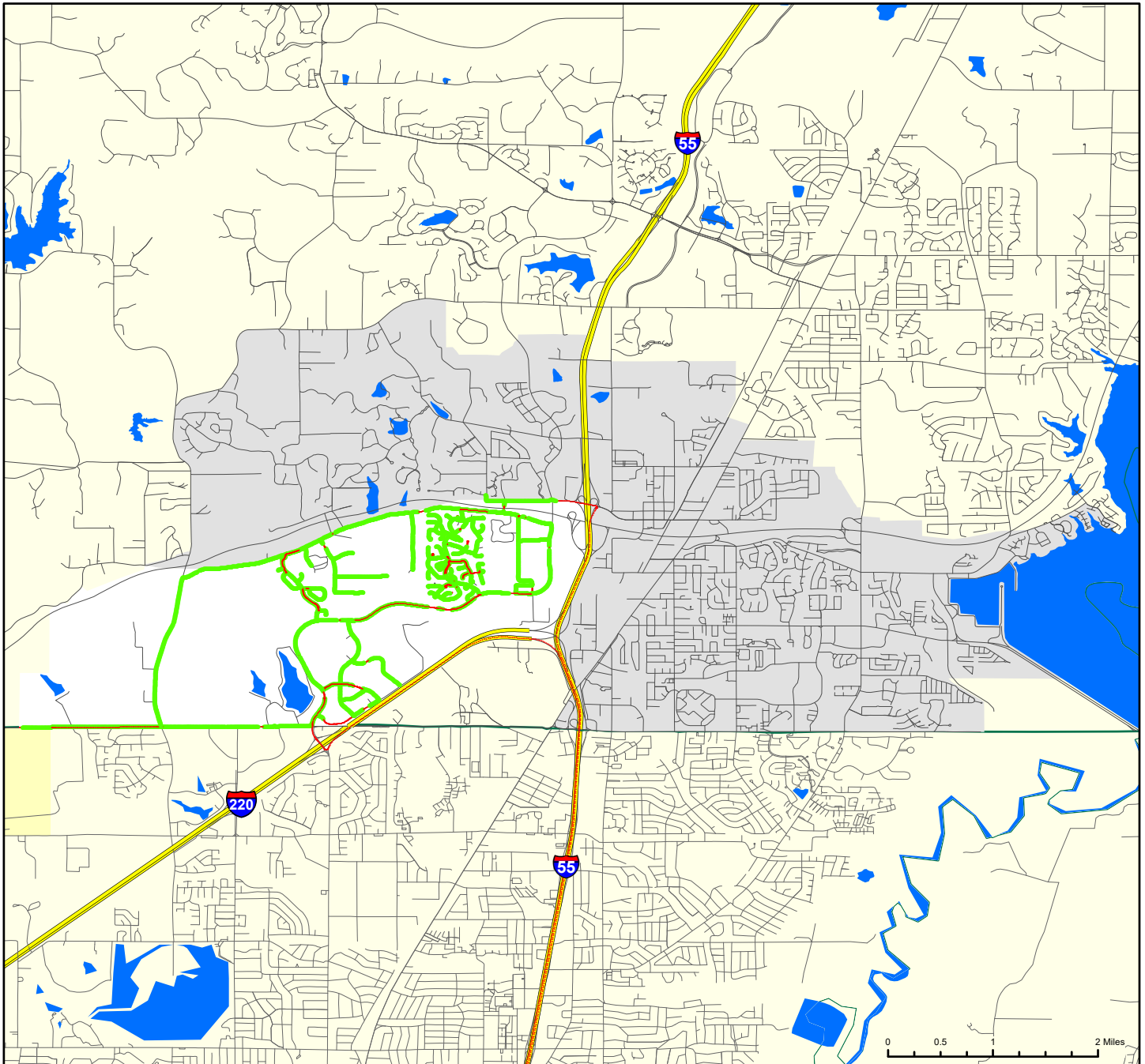
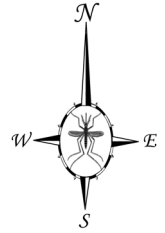
# Ridgeland, Mississippi

Ground Adulticide Application Date:  
April 7, 2020

### Sprayer Status

- Sprayer Off
- Sprayer On

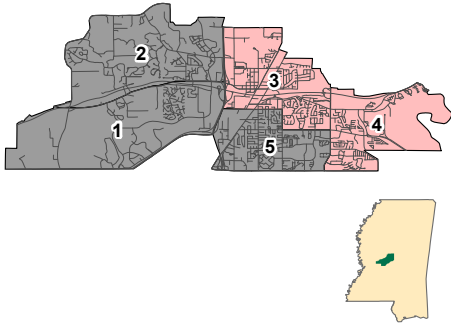
Chemical: Perm X UL 30-30  
Quantity Used: 5.7 gal  
Miles Treated: 24.4  
Acres Treated: 889.0



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## Ridgeland Treatment Areas



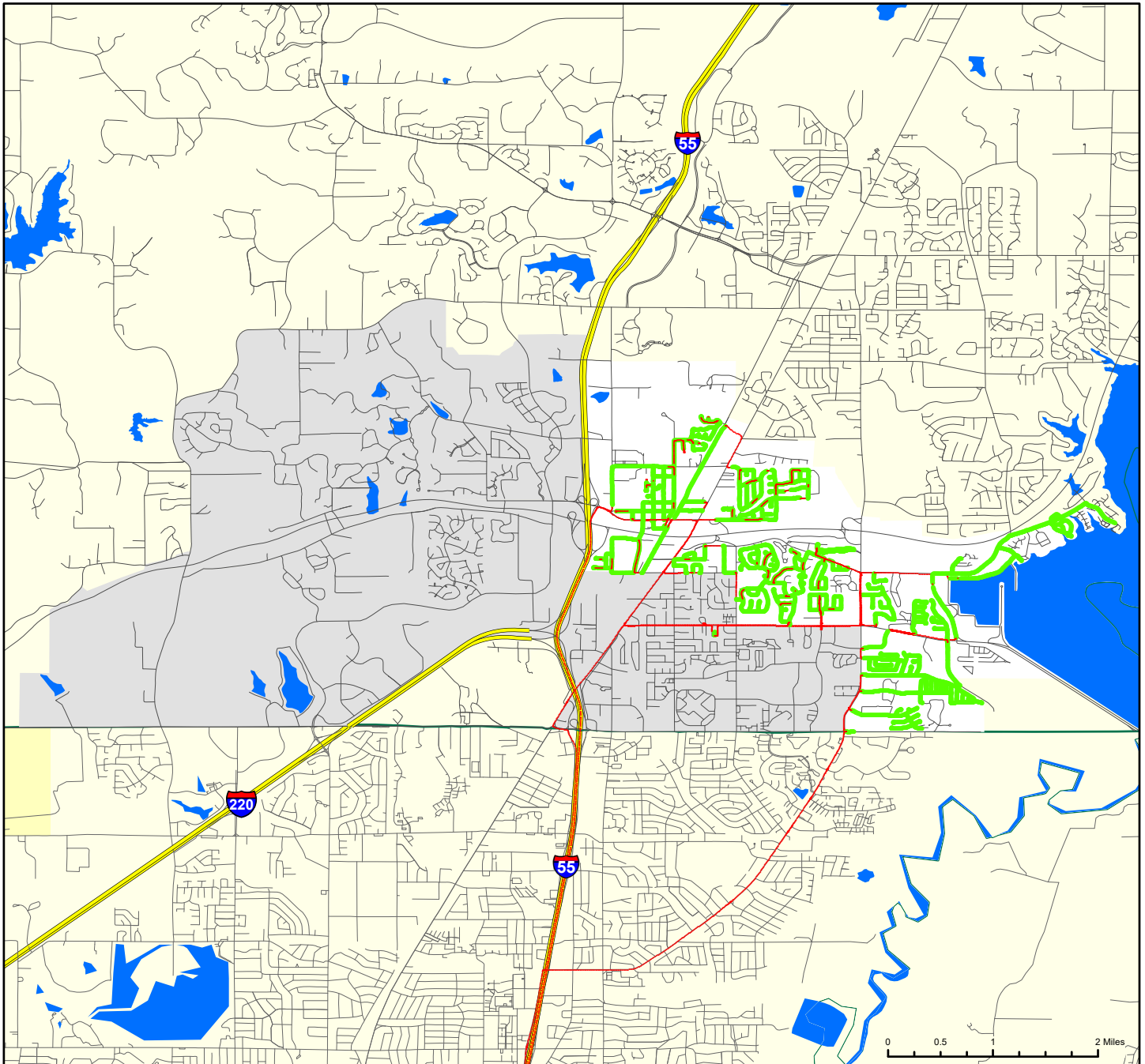
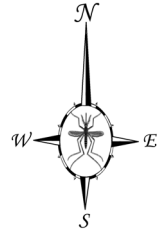
# Ridgeland, Mississippi

Ground Adulticide Application Date:  
April 13, 2020

### Sprayer Status

- Sprayer Off
- Sprayer On

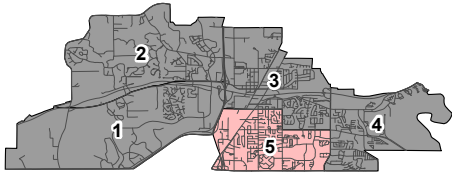
Chemical: Perm X UL 30-30  
Quantity Used: 12.1 gal  
Miles Treated: 40.6  
Acres Treated: 1,477.0



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## Ridgeland Treatment Areas



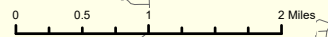
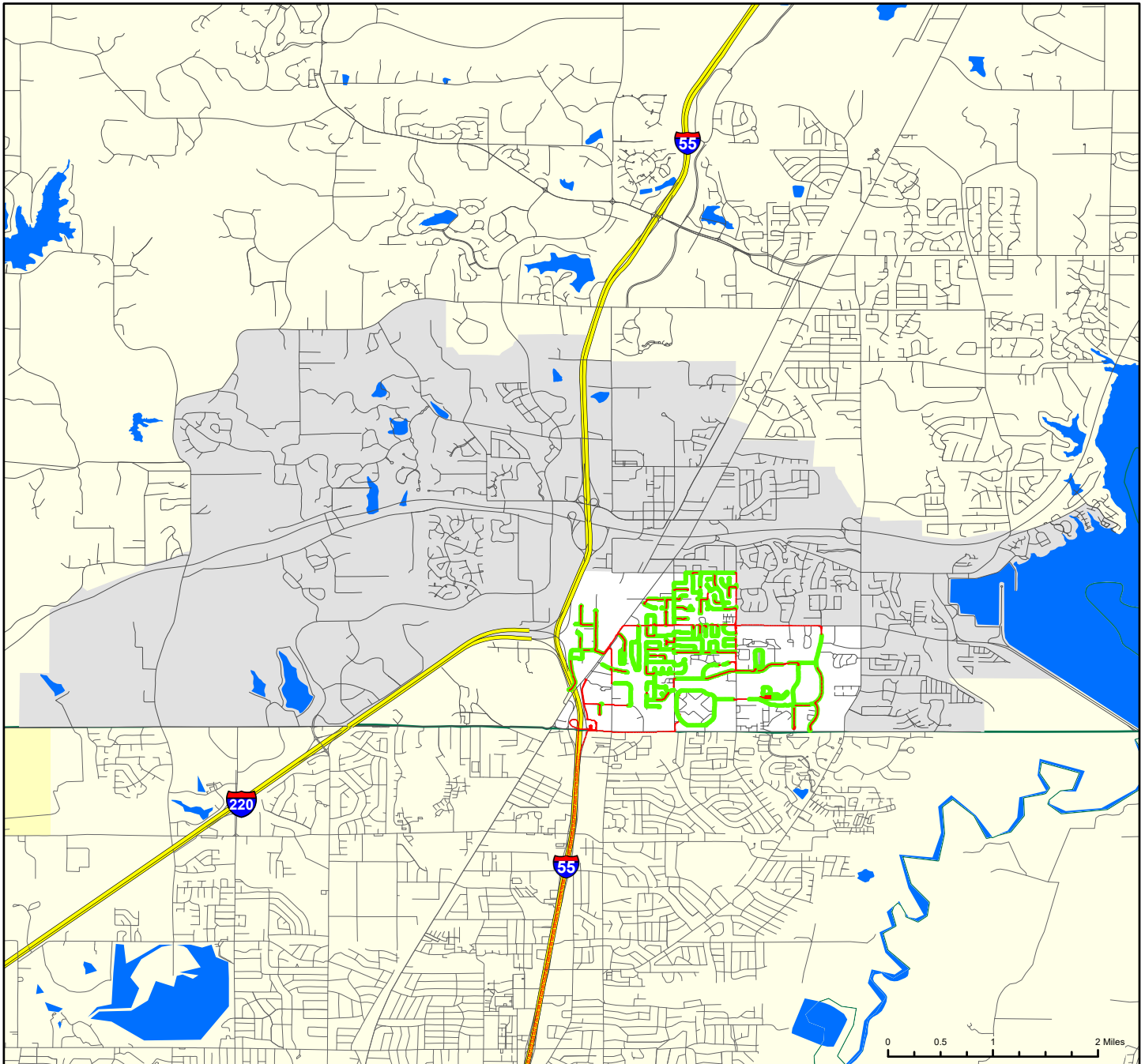
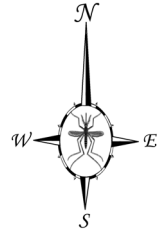
# Ridgeland, Mississippi

Ground Adulticide Application Date:  
April 14, 2020

### Sprayer Status

- Sprayer Off
- Sprayer On

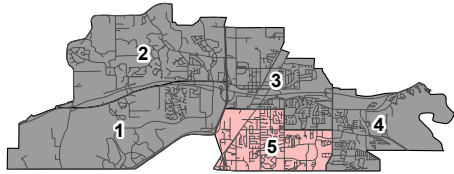
Chemical: Perm X UL 30-30  
Quantity Used: 7.2 gal  
Miles Treated: 21.6  
Acres Treated: 786.0



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## Ridgeland Treatment Areas



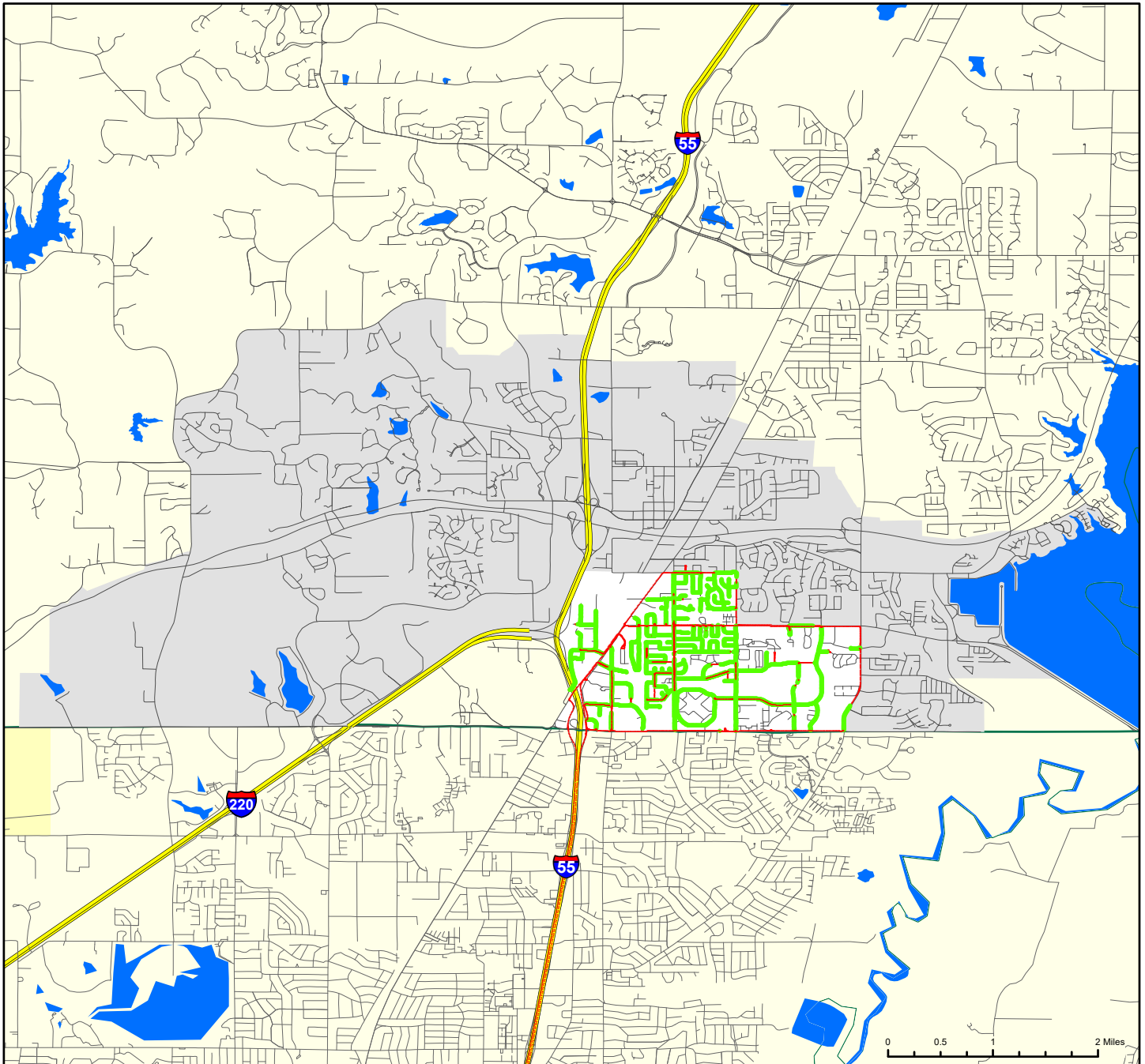
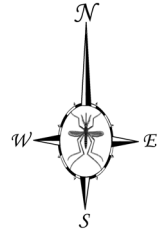
# Ridgeland, Mississippi

Ground Adulticide Application Date:  
April 20, 2020

### Sprayer Status

- Sprayer Off
- Sprayer On

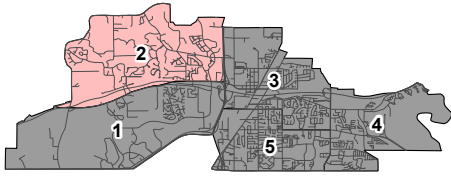
Chemical: Perm X UL 30-30  
Quantity Used: 5.1 gal  
Miles Treated: 21.9  
Acres Treated: 796.0



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## Ridgeland Treatment Areas



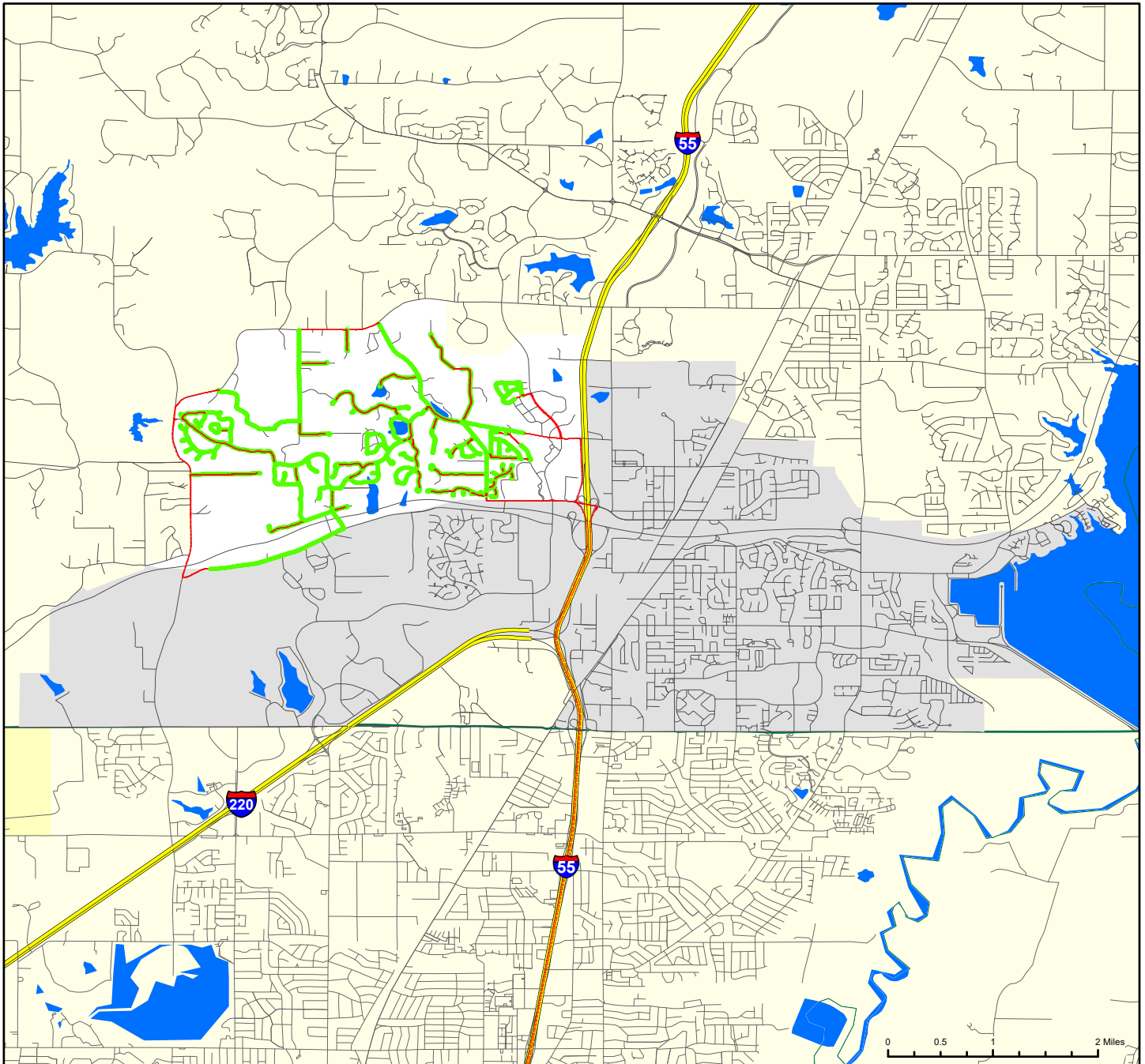
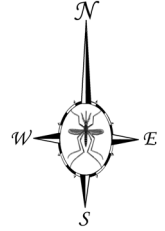
# Ridgeland, Mississippi

Ground Adulticide Application Date:  
April 21, 2020

### Sprayer Status

- Sprayer Off
- Sprayer On

Chemical: Perm X UL 30-30  
Quantity Used: 8.0 gal  
Miles Treated: 28.4  
Acres Treated: 1,031.0

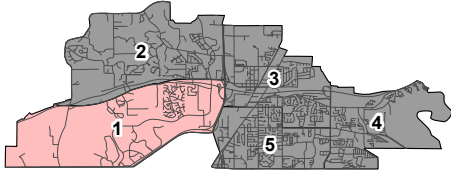


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## Ridgeland Treatment Areas



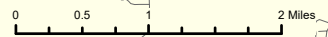
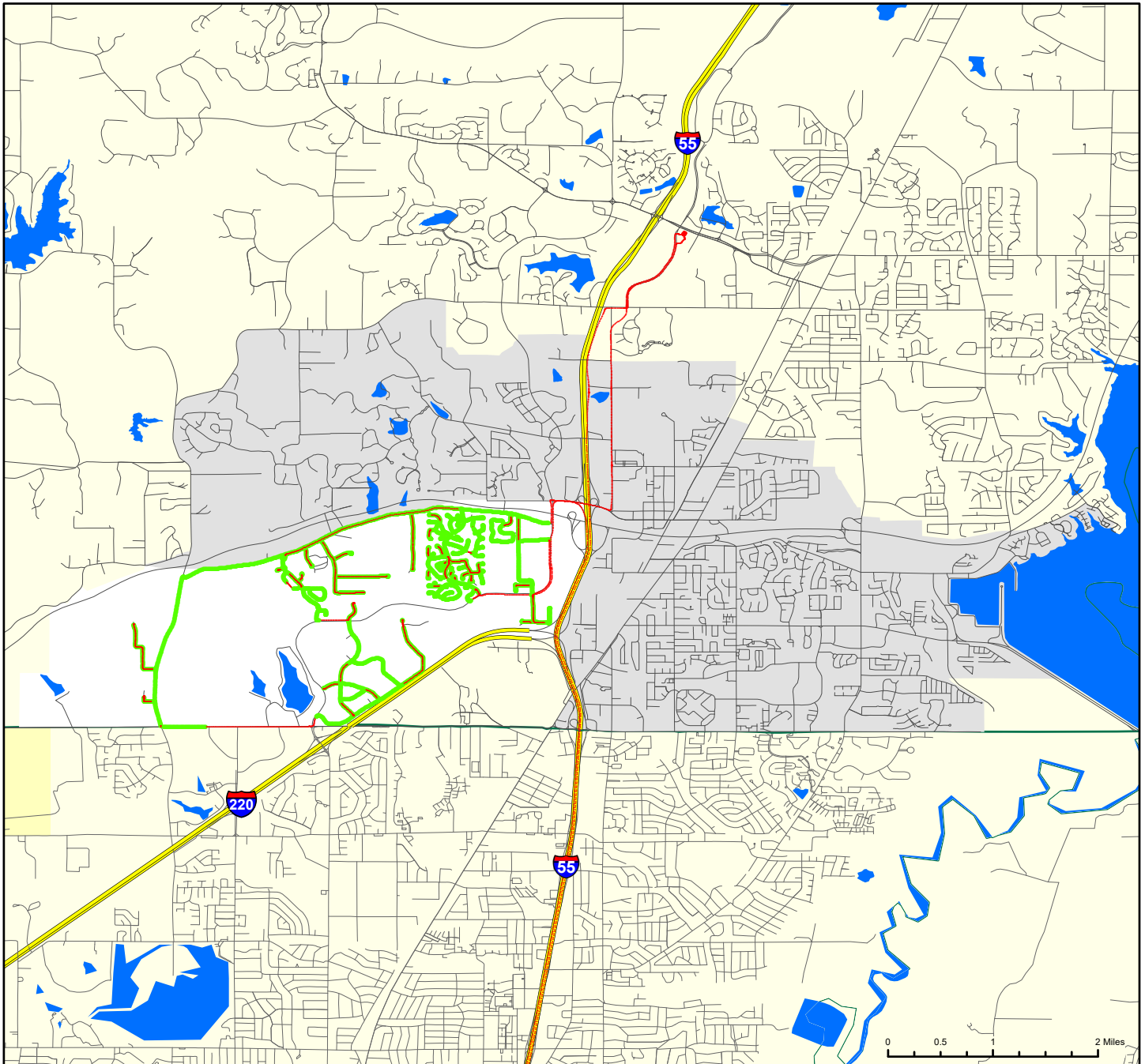
# Ridgeland, Mississippi

Ground Adulticide Application Date:  
April 23, 2020

### Sprayer Status

- Sprayer Off
- Sprayer On

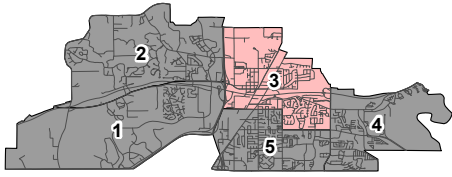
Chemical: Perm X UL 30-30  
Quantity Used: 7.0 gal  
Miles Treated: 25.4  
Acres Treated: 922.0



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## Ridgeland Treatment Areas



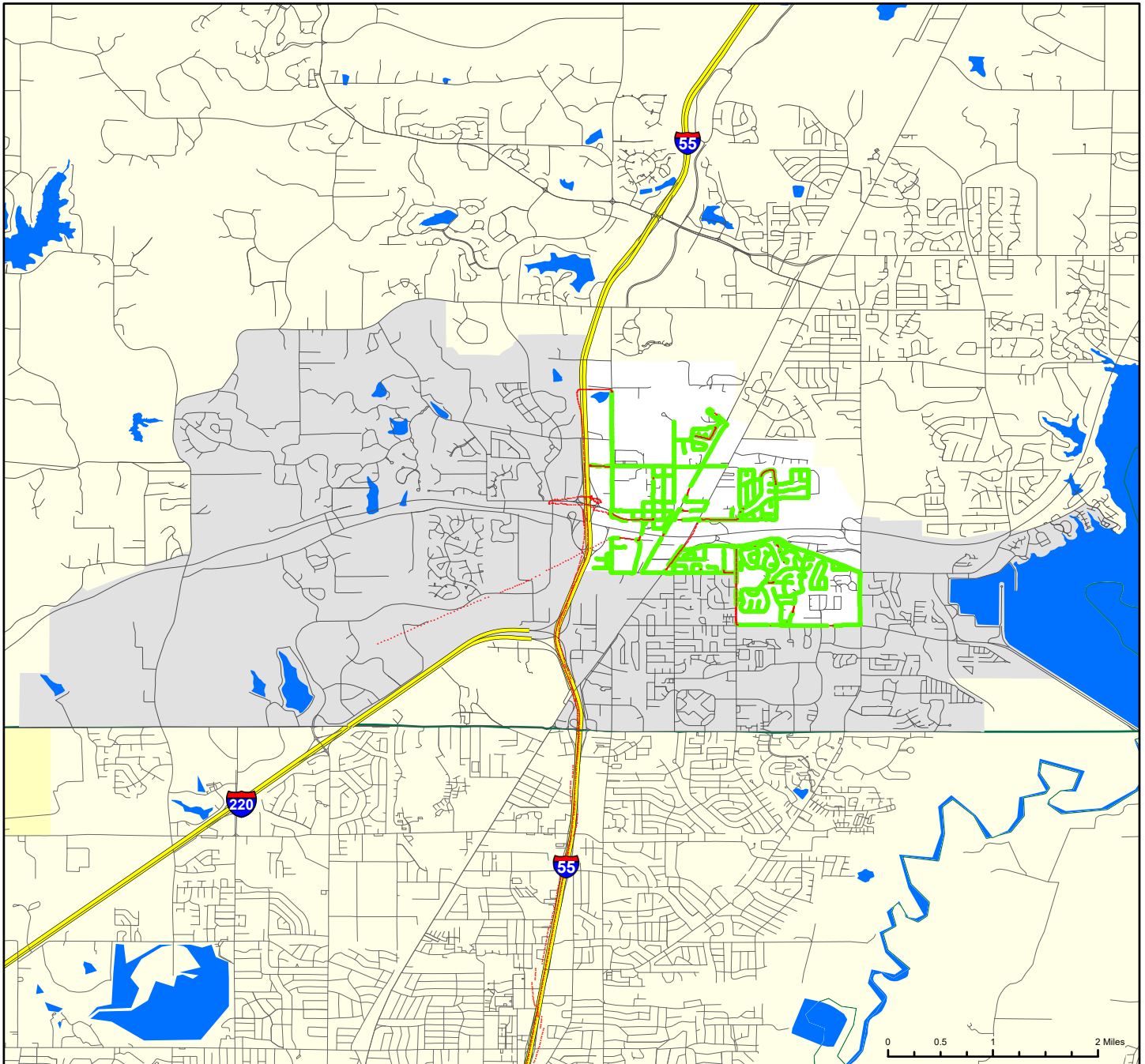
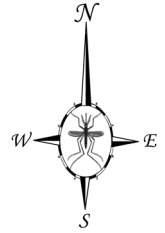
# Ridgeland, Mississippi

Ground Adulticide Application Date:  
April 27, 2020

### Sprayer Status

- Sprayer Off
- Sprayer On

Chemical: Perm X UL 30-30  
Quantity Used: 7.1 gal  
Miles Treated: 30.5  
Acres Treated: 1,107.0



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