

May 2020 Mosquito Control Report

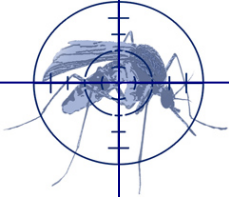


Ridgeland, Mississippi

Prepared by:
Vector Disease Control
842 Foley Street
Jackson, MS 39202
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 or bcobb@vdc.net and I will be glad to answer any questions you might have.

Sincerely,

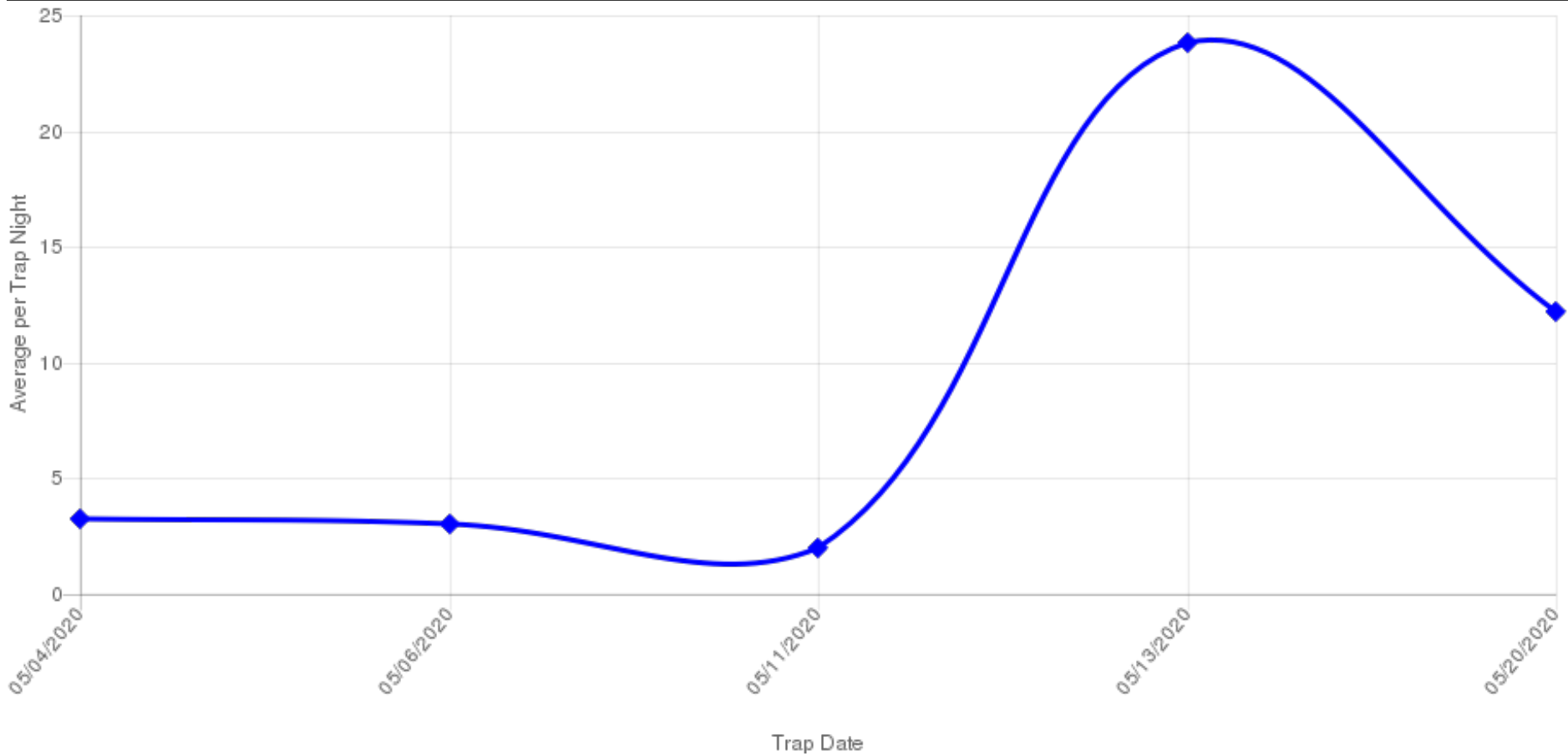
Brandon Cobb, Contract Supervisor



Adult Mosquito Surveillance Summary

Start Date: 05/01/2020 End Date: 05/31/2020

City of Ridgeland, MS



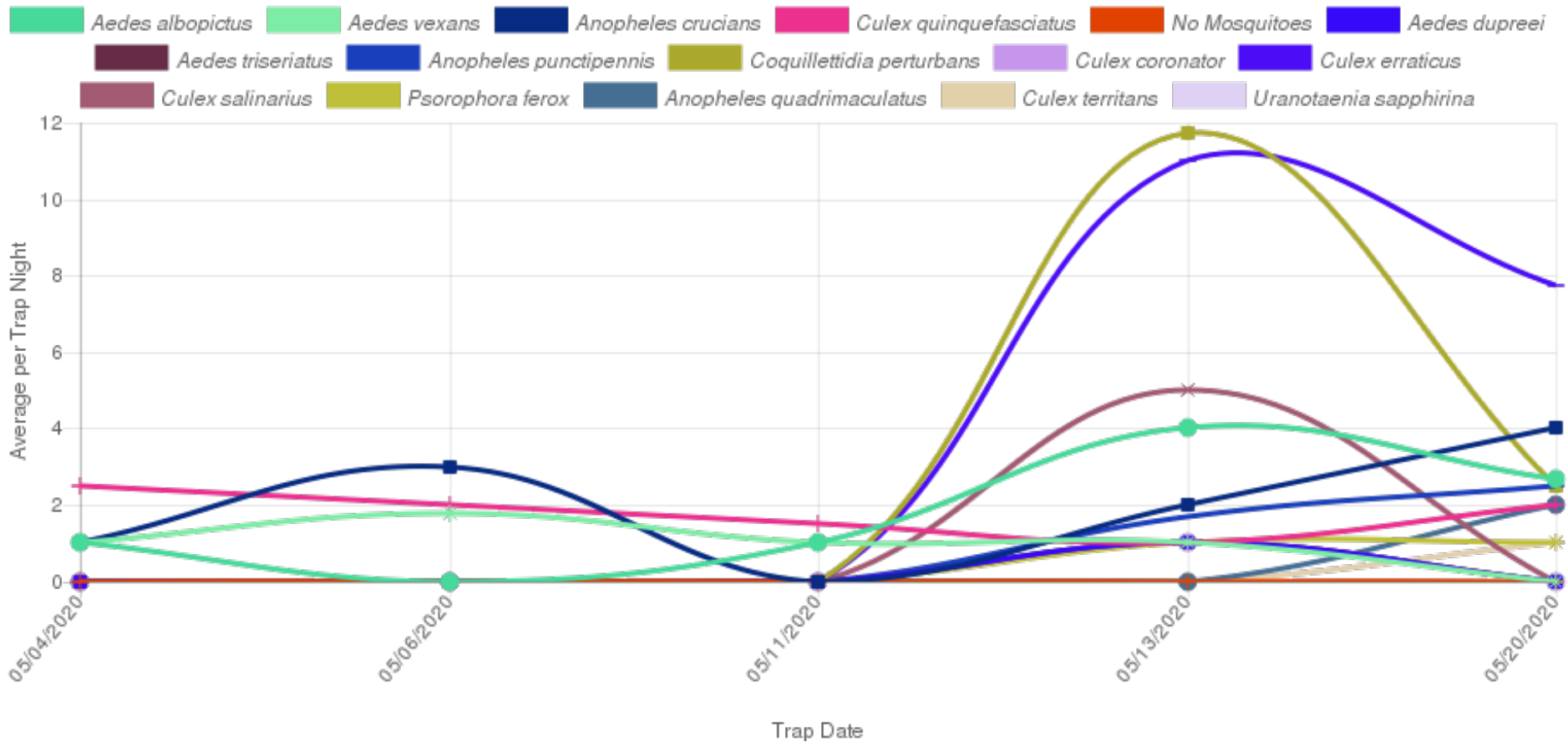
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Adult Mosquito Surveillance Summary

Start Date: 05/01/2020 End Date: 05/31/2020

City of Ridgeland, MS





Summary of Service Requests

Start Date: 05/01/2020 End Date: 05/31/2020

City of Ridgeland, MS

Month	Total Calls	Total Inspected	Disposition Totals		Total Sites with Mosquitoes	Total Amount of Larvicide Applied	Total Amount of Adulicide Applied
May 2020	1	1	No Action Required:	0	Eggs: 0	0.0 oz	0.0 oz
			Source Reduction:	0	Larvae: 0		
			Biological Control:	0	Pupae: 0		
			Larvicided:	0			
			Adulcided:	1			
Overall Totals	1	1	NA: 0.0	LV: 0.0		0.0 oz	0.0 oz
			SR: 0.0	AT: 1.0			
			BC: 0.0				

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Larvicide Applications

Start Date: 05/01/2020 End Date: 05/31/2020

City of Ridgeland, MS

Date	Site Name	Habitat	No. of Larvae	Larvicide	Amount Applied (oz.)	Area Treated (sq. ft.)
Ridgeland Zone 01 Applications						
05/04/2020	An.050420.003	Ditch	1-10	Vectobac G (73049-10)	1.0	272.3
05/04/2020	An.050420.001	Ditch	0	Vectobac G (73049-10)	1.0	272.3
05/04/2020	An.050420.002	Ditch	1-10	Vectobac G (73049-10)	1.0	272.3
Total Ounces Applied					3.0	816.8 0.0 acres
Total Larvicide Applied in Ridgeland Zone 01:					3.0	816.8 0.0 acres
Ridgeland Zone 02 Applications						
05/05/2020	An.050520.001	Ditch	1-10	Vectobac G (73049-10)	1.0	272.3
Total Ounces Applied					1.0	272.3 0.0 acres
Total Larvicide Applied in Ridgeland Zone 02:					1.0	272.3 0.0 acres
Ridgeland Zone 03 Applications						
05/06/2020	An.050620.001	Ditch	0	Vectobac G (73049-10)	1.0	272.3
05/06/2020	An.050620.002	Ditch	1-10	Vectobac G (73049-10)	1.0	272.3
05/07/2020	An.050720.001	Ditch	1-10	Vectobac G (73049-10)	1.0	272.3
Total Ounces Applied					3.0	816.8 0.0 acres
Total Larvicide Applied in Ridgeland Zone 03:					3.0	816.8 0.0 acres
Ridgeland Zone 04 Applications						
05/07/2020	An.050720.002	Ditch	1-10	Vectobac G (73049-10)	1.0	272.3
Total Ounces Applied					1.0	272.3 0.0 acres
Total Larvicide Applied in Ridgeland Zone 04:					1.0	272.3 0.0 acres
Ridgeland Zone 05 Applications						

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Date	Site Name	Habitat	No. of Larvae	Larvicide	Amount Applied (oz.)	Area Treated (sq. ft.)
05/11/2020	An.051120.002	Ditch	1-10	Vectobac G (73049-10)	1.0	272.3
05/11/2020	An.051120.003	Ditch	1-10	Vectobac G (73049-10)	1.0	272.3
05/11/2020	An.051120.001	Ditch	0	Vectobac G (73049-10)	1.0	272.3
Total Ounces Applied					3.0	816.8 0.0 acres
Total Larvicide Applied in Ridgeland Zone 05:					3.0	816.8 0.0 acres
Overall Total Ounces Applied					11.0	2,994.8 0.1 acres



Ground Adulticide Applications

Start Date: 05/01/2020 **End Date:** 05/31/2020

City of Ridgeland, MS

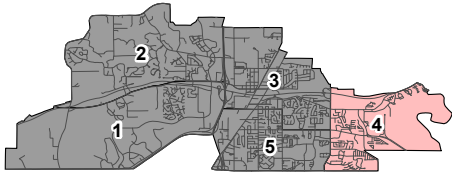
Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed	
Ridgeland Zone 01 Applications									
May 2020	05/05/2020		Perm-X UL 30-30 (655-811)	1:5	54.0	31.9	1,161.3	7.5	
								<i>Total Perm-X UL 30-30 Applied:</i>	7.5
May 2020	05/18/2020		Perm-X UL 30-30 (89459-44)	1:5	73.2	29.2	1,061.0	5.7	
								<i>Total Perm-X UL 30-30 Applied:</i>	5.7
Ridgeland Zone 01 Totals:					127.3	61.1	2,222.3	13.3	
Ridgeland Zone 02 Applications									
May 2020	05/12/2020		Perm-X UL 30-30 (655-811)	1:5	49.0	26.5	963.9	1.2	
								<i>Total Perm-X UL 30-30 Applied:</i>	1.2
May 2020	05/19/2020		Perm-X UL 30-30 (89459-44)	1:5	48.8	24.7	896.6	5.7	
								<i>Total Perm-X UL 30-30 Applied:</i>	5.7

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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
<i>Ridgeland Zone 02 Totals:</i>					97.7	51.2	1,860.5	7.0
Ridgeland Zone 03 Applications								
May 2020	05/06/2020		Perm-X UL 30-30 (89459-44)	1:5	68.2	29.1	1,056.3	6.8
	05/27/2020		Perm-X UL 30-30 (89459-44)	1:5	70.2	29.6	1,077.5	8.8
<i>Total Perm-X UL 30-30 Applied:</i>								15.5
<i>Ridgeland Zone 03 Totals:</i>					138.5	58.7	2,133.7	15.5
Ridgeland Zone 04 Applications								
May 2020	05/04/2020		Perm-X UL 30-30 (655-811)	1:5	48.1	29.0	1,054.4	6.9
<i>Total Perm-X UL 30-30 Applied:</i>								6.9
May 2020	05/27/2020		Perm-X UL 30-30 (89459-44)	1:5	48.0	13.7	497.0	3.2
<i>Total Perm-X UL 30-30 Applied:</i>								3.2
<i>Ridgeland Zone 04 Totals:</i>					96.2	42.7	1,551.5	10.2
Ridgeland Zone 05 Applications								
May 2020	05/11/2020		Perm-X UL 30-30 (655-811)	1:5	68.1	26.8	974.4	6.3

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
					<i>Total Perm-X UL 30-30 Applied:</i>			6.3
					<i>Ridgeland Zone 05 Totals:</i>			
					68.1	26.8	974.4	6.3
					<i>Grand Totals:</i>			
					527.7	240.4	8,742.5	52.2

Ridgeland Treatment Areas



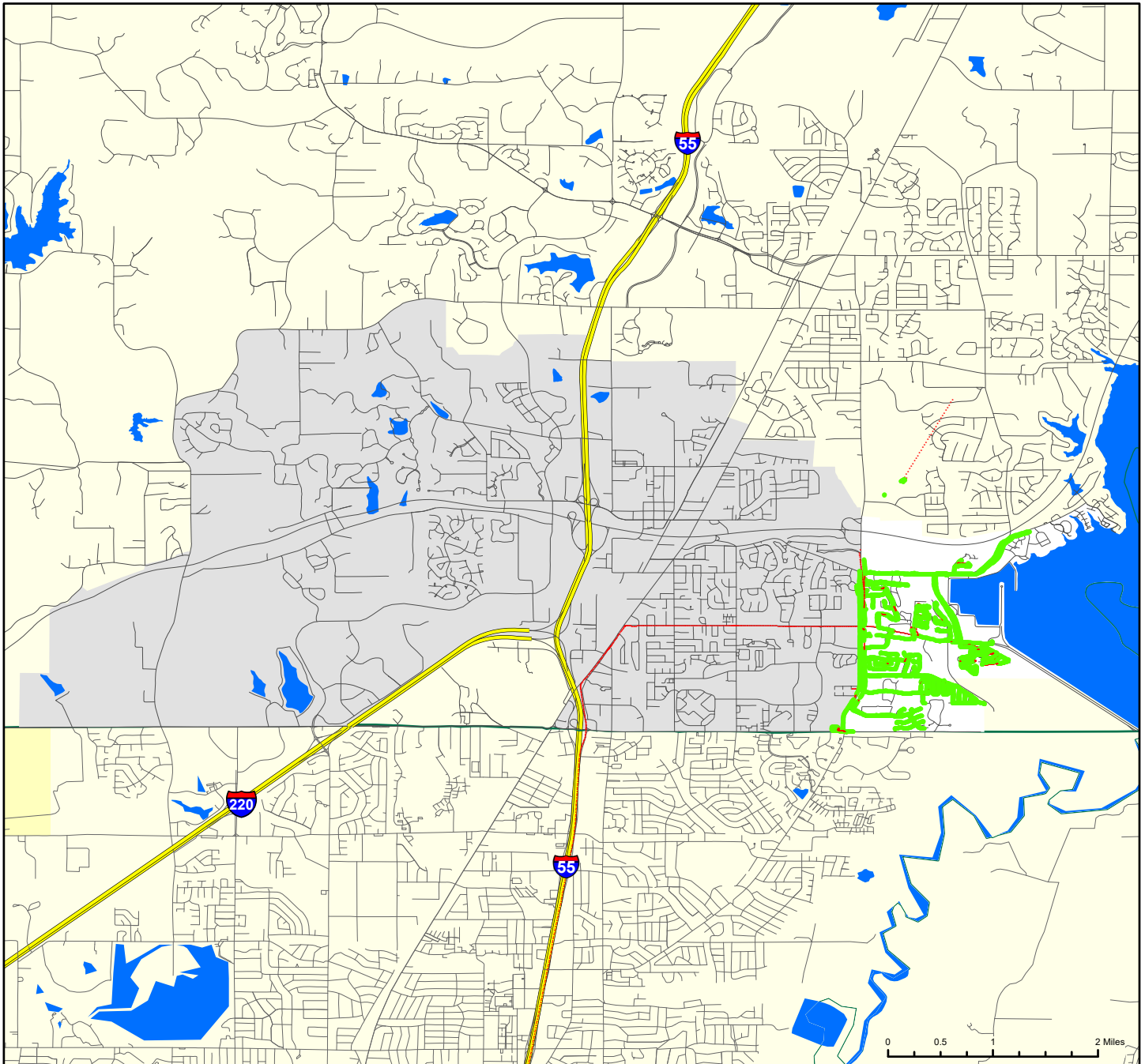
Ridgeland, Mississippi

Ground Adulticide Application Date:
May 4, 2020

Sprayer Status

- Sprayer Off
- Sprayer On

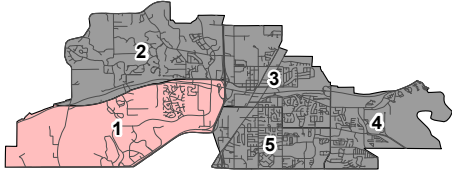
Chemical: Perm X UL 30-30
Quantity Used: 7.0 gal
Miles Treated: 29.0
Acres Treated: 1,054.0



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Ridgeland Treatment Areas



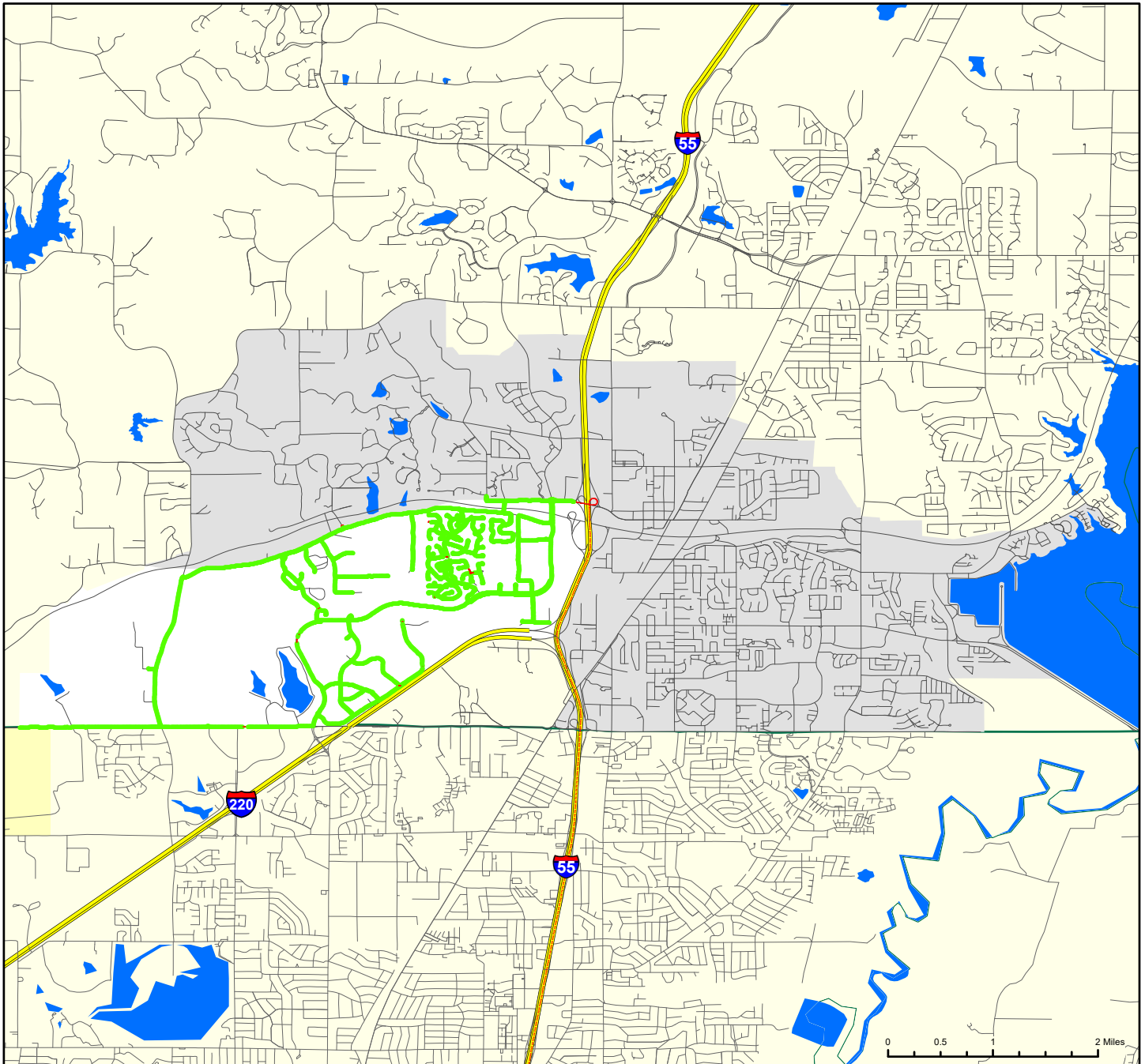
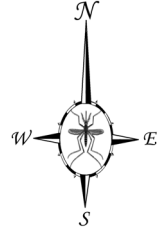
Ridgeland, Mississippi

Ground Adulticide Application Date:
May 5, 2020

Sprayer Status

- Sprayer Off
- Sprayer On

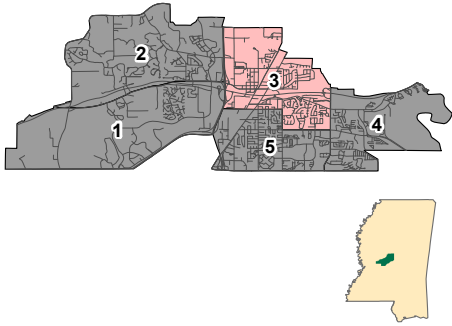
Chemical: Perm X UL 30-30
Quantity Used: 7.5 gal
Miles Treated: 31.9
Acres Treated: 1,161.0



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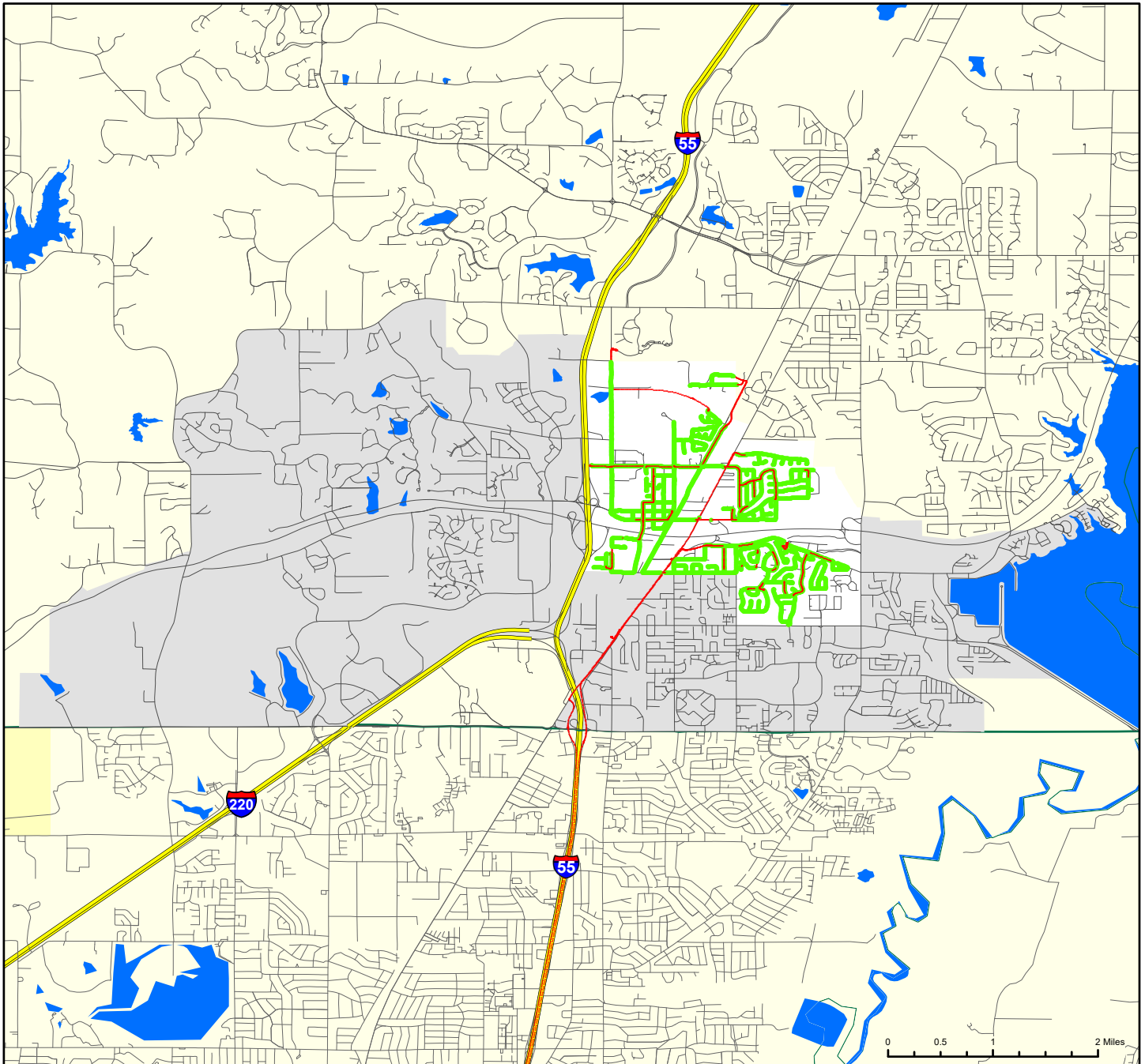
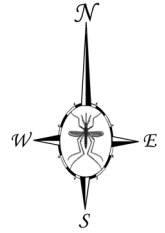
Ridgeland, Mississippi

Ground Adulticide Application Date:
May 6, 2020

Sprayer Status

- Sprayer Off
- Sprayer On

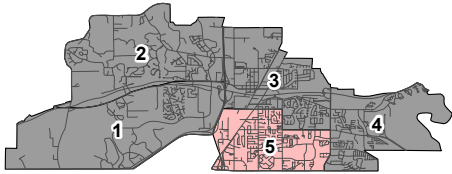
Chemical: Perm X UL 30-30
Quantity Used: 6.8 gal
Miles Treated: 29.1
Acres Treated: 1,056.0



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Ridgeland Treatment Areas



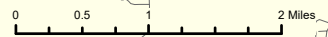
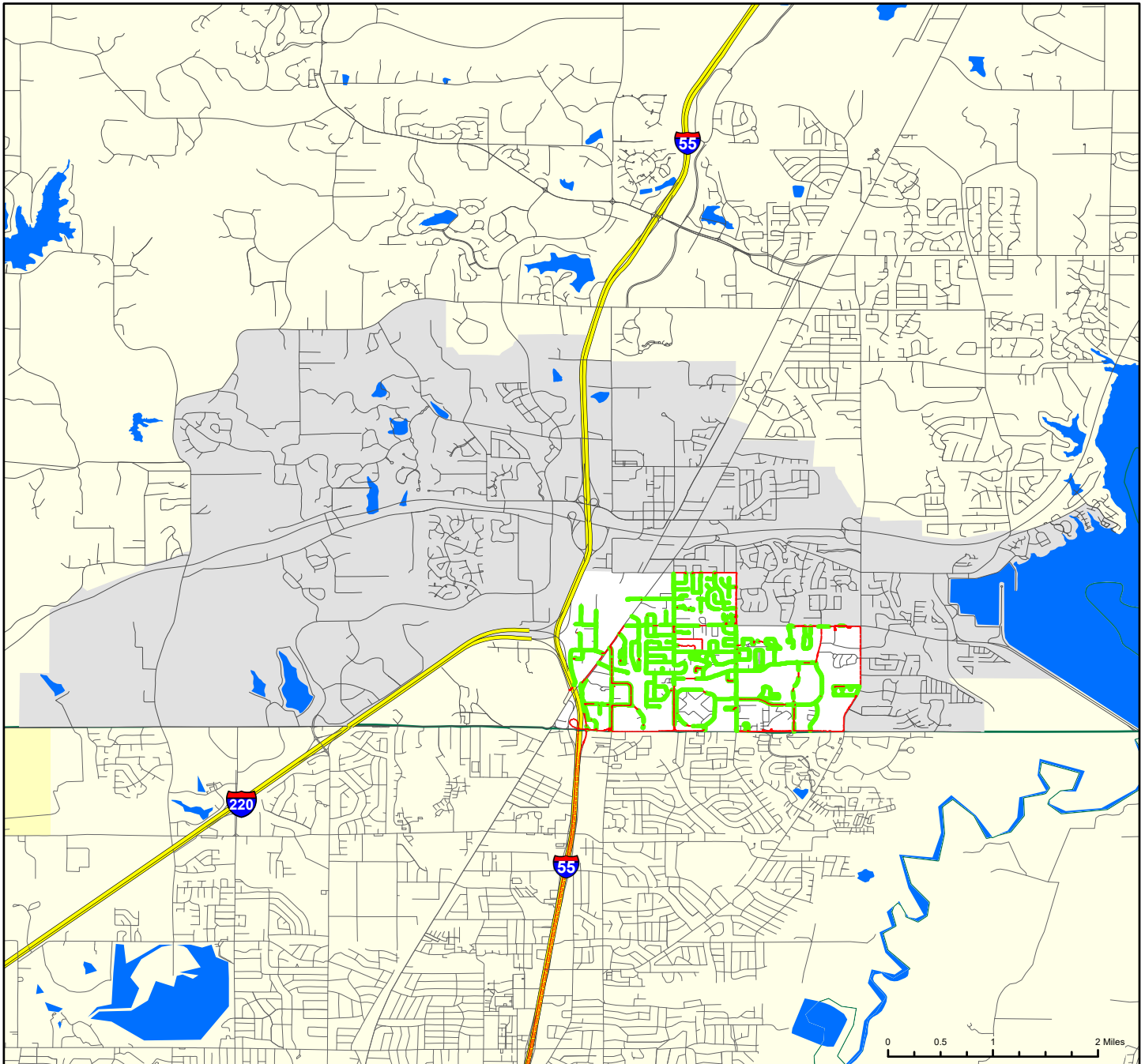
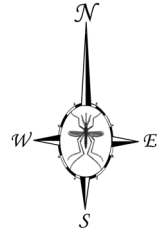
Ridgeland, Mississippi

Ground Adulticide Application Date:
May 11, 2020

Sprayer Status

- Sprayer Off
- Sprayer On

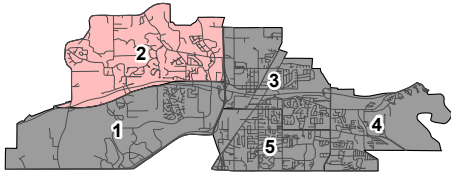
Chemical: Perm X UL 30-30
Quantity Used: 6.3 gal
Miles Treated: 26.8
Acres Treated: 974.0



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Ridgeland Treatment Areas



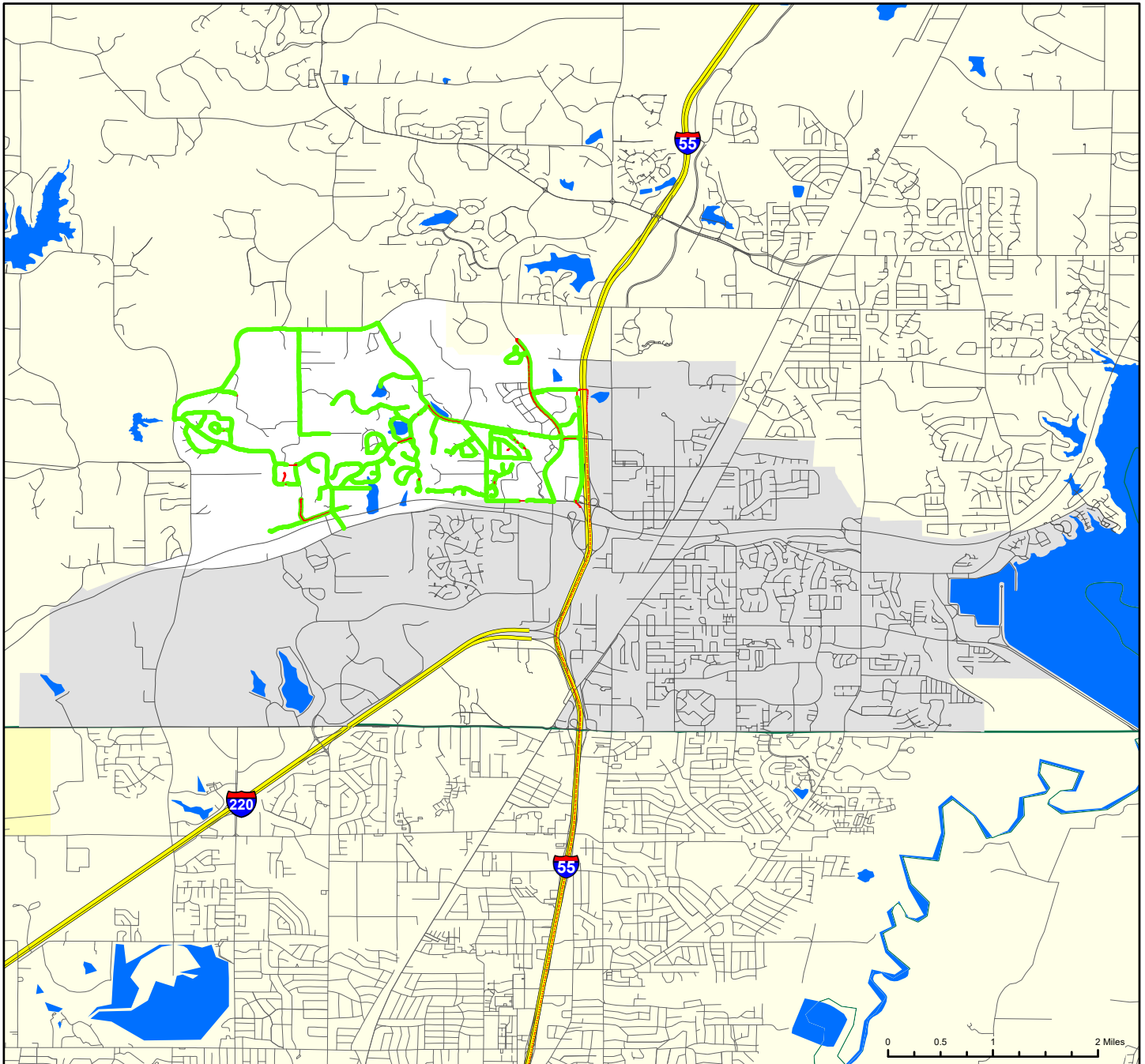
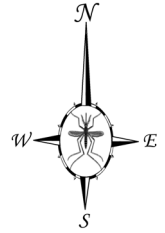
Ridgeland, Mississippi

Ground Adulticide Application Date:
May 12, 2020

Sprayer Status

- Sprayer Off
- Sprayer On

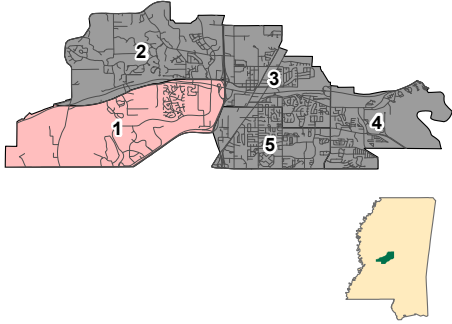
Chemical: Perm X UL 30-30
Quantity Used: 6.1 gal
Miles Treated: 26.5
Acres Treated: 964.0



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Ridgeland Treatment Areas



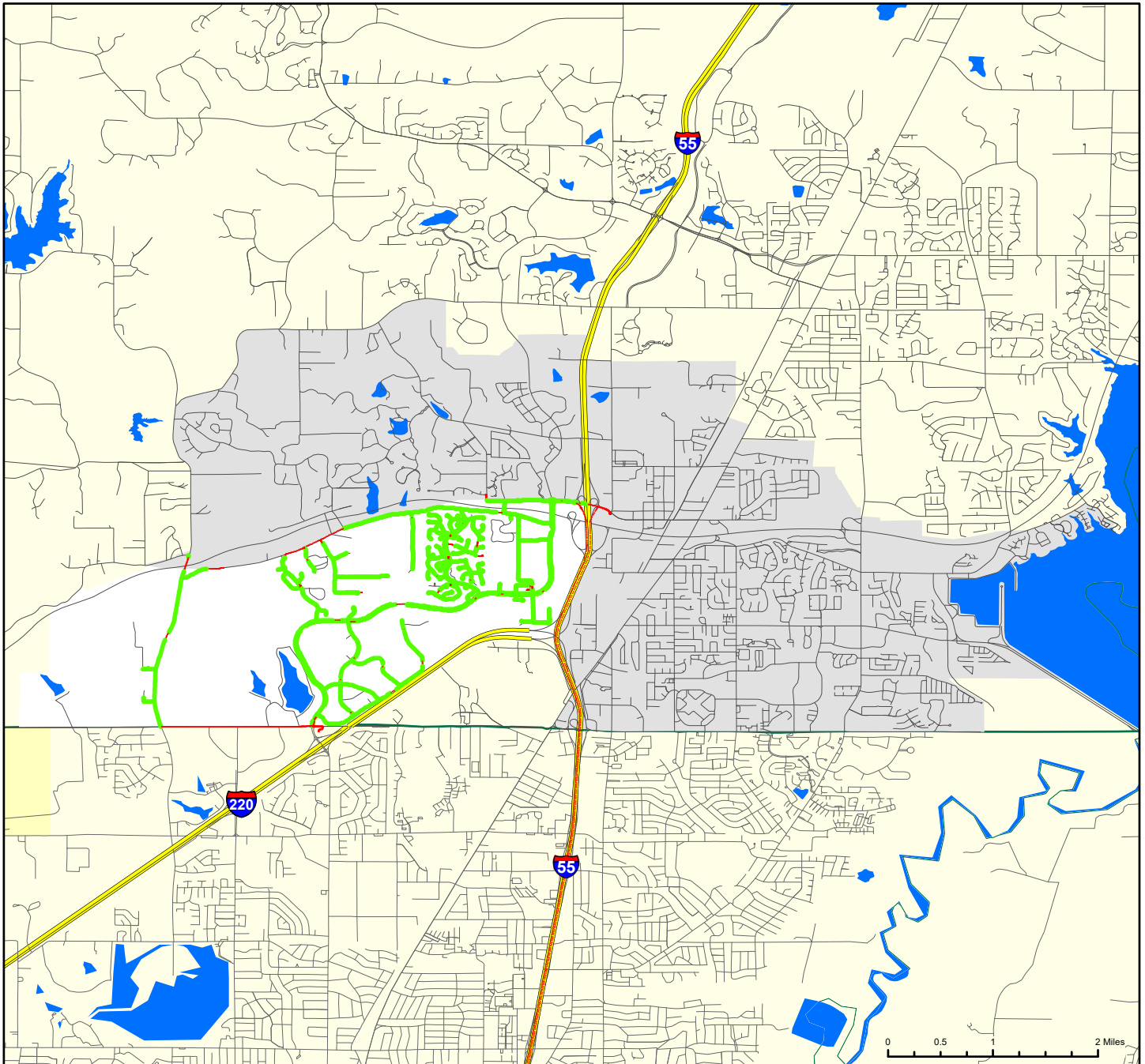
Ridgeland, Mississippi

Ground Adulticide Application Date:
May 18, 2020

Sprayer Status

- Sprayer Off
- Sprayer On

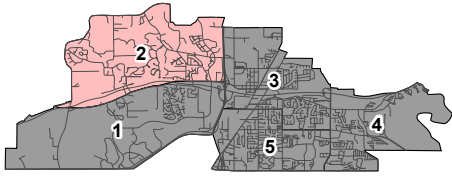
Chemical: Perm X UL 30-30
Quantity Used: 5.7 gal
Miles Treated: 29.2
Acres Treated: 1,061.0



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Ridgeland Treatment Areas



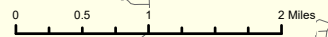
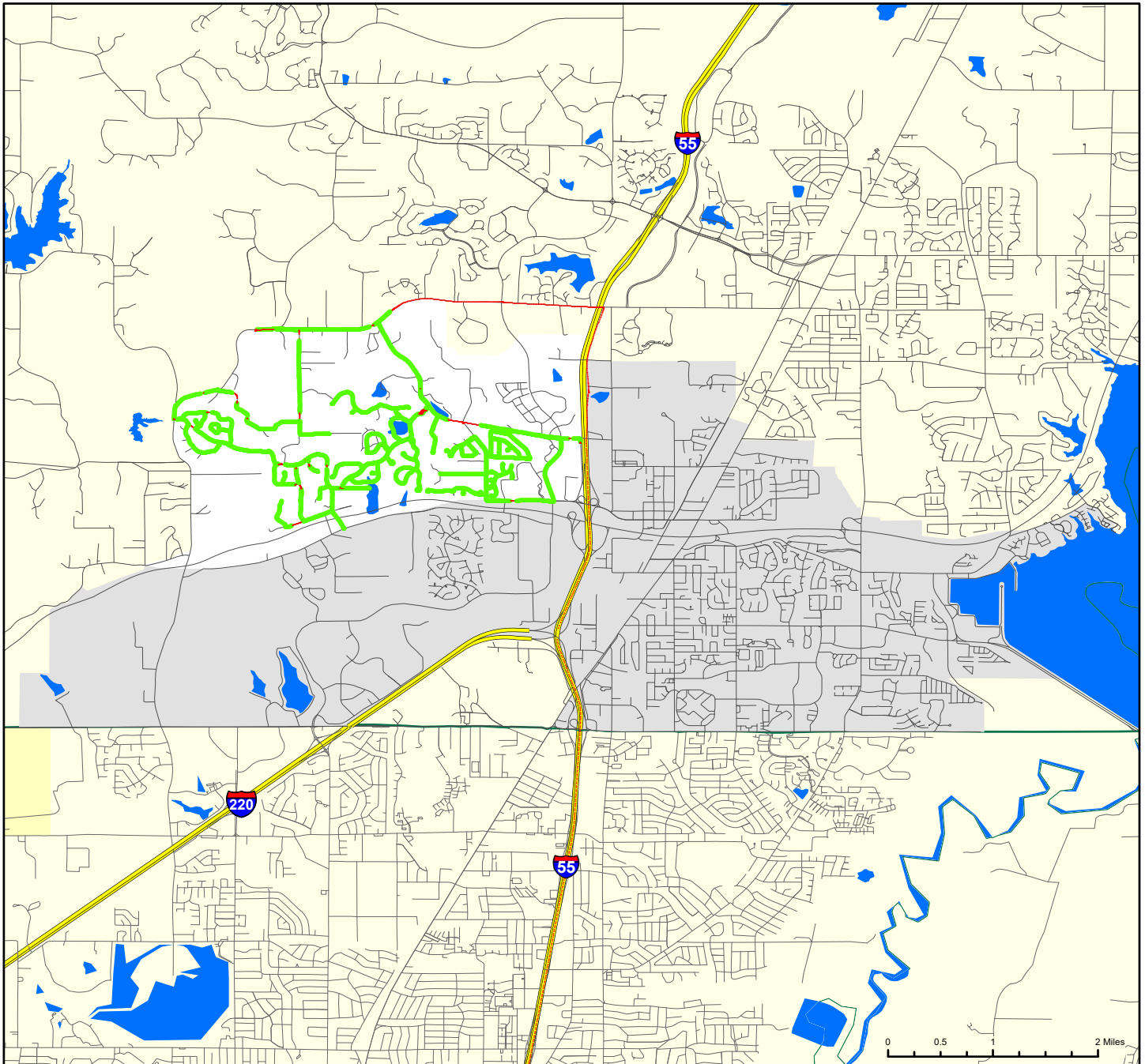
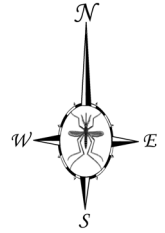
Ridgeland, Mississippi

Ground Adulticide Application Date:
May 19, 2020

Sprayer Status

- Sprayer Off
- Sprayer On

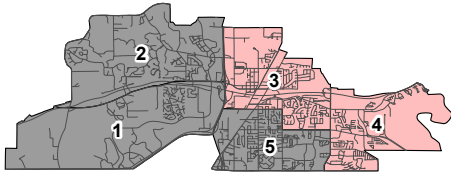
Chemical: Perm X UL 30-30
Quantity Used: 5.7 gal
Miles Treated: 24.7
Acres Treated: 897.0



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Ridgeland Treatment Areas



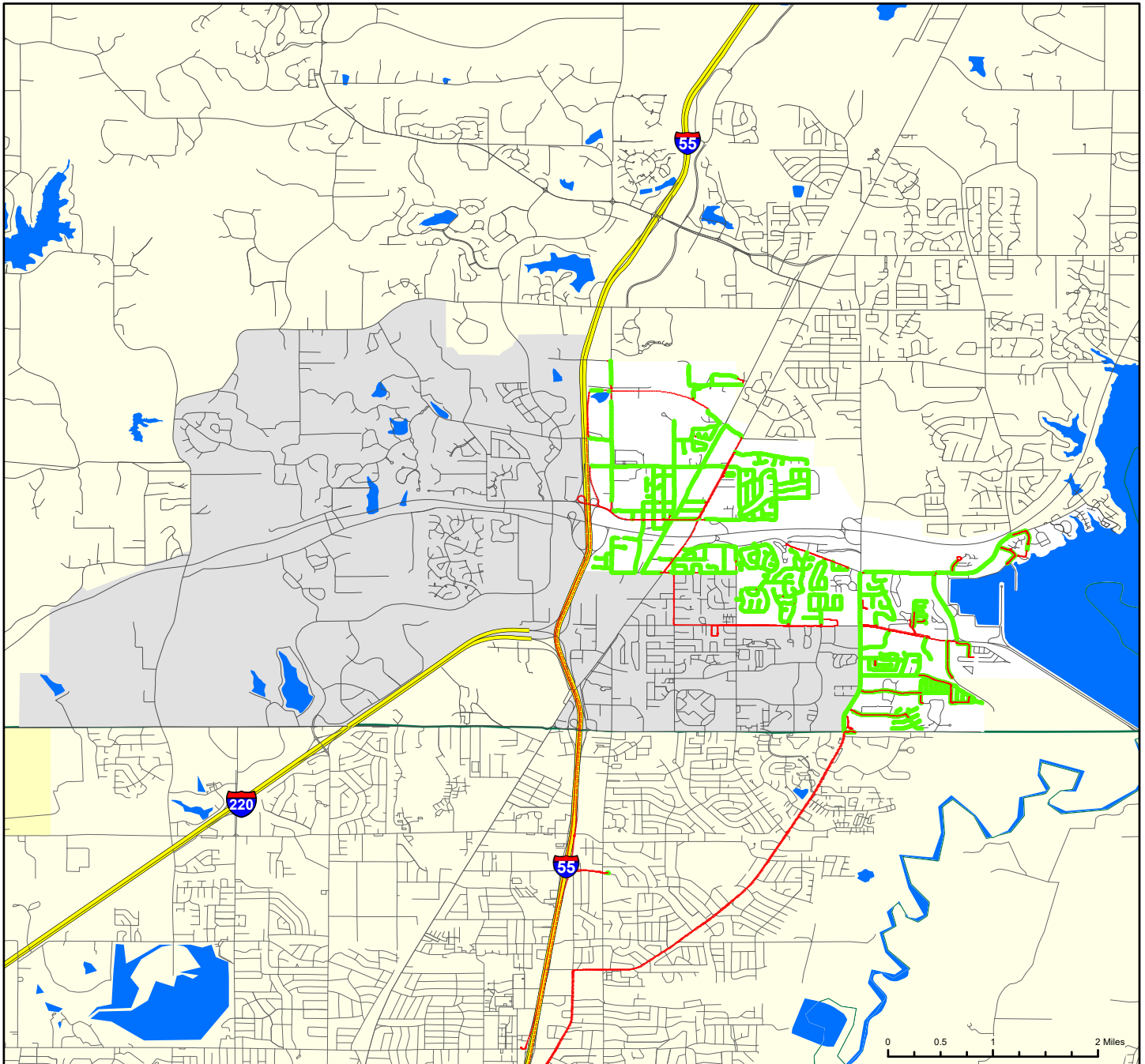
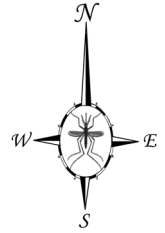
Ridgeland, Mississippi

Ground Adulticide Application Date:
May 27, 2020

Sprayer Status

- Sprayer Off
- Sprayer On

Chemical: Perm X UL 30-30
Quantity Used: 12.0 gal
Miles Treated: 43.3
Acres Treated: 1,574.0



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