

Beet Curly Top Virus Control Program

Monthly Report

California Department of Food and Agriculture
Plant Health and Pest Prevention Services
Integrated Pest Control Branch
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July 2025

Program Update

- In July, Beet Curly Top Virus Control Program (BCTVCP) personnel conducted beet leafhopper (BLH) and vegetation surveys in the foothills on the westside of the San Joaquin and Sacramento Valleys in Fresno, Kern, Kings, Yolo, Sutter, Glenn, Merced, Stanislaus, Butte, Sacramento, San Joaquin, Madera, Tehama, Tulare and Colusa counties.
- BLH counts remained low in all survey areas statewide (0-1 BLH per sweep set). Nymphs have been observed in Fresno County but are limited.
- Commonly observed host vegetation is Bassia, Russian Thistle, Lamb's Quarter, Pig Weed, Mallow, and Goosefoot that will be continuously monitored for BLH populations. Fallow fields and roadsides are being mapped for further monitoring and potential treatment for Fall.
- Commodity Surveys statewide have seen low damage and are under 0-2% average. The Program will be finishing commodity surveys as soon as harvest starts in the Sacramento Valley.
- The Program would like to remind growers and PCA's that any fallow fields or weedy areas adjacent to susceptible crops should be inspected for BLH prior to disking or mowing. The Program can be available for BLH surveys and, if needed, control of fallow fields and/or roadsides where BLH counts reach the control thresholds.
- Please visit the Program's webpage to view Program reports and alerts. https://www.cdfa.ca.gov/plant/ipc/curlytopvirus/ctv_hp.htm
- The BCTVCP has deployed a Beet Leafhopper Sighting Report that industry can use to report BLH or CTV incidence in the field. This report is available using the following web browser link: <https://arcg.is/O9LyK> or by downloading the ArcGIS Survey123 app from the Google Play Store or Apple App Store and using the QR code below. A user guide for the BLH Sighting Report is available on the BCTVCP webpage.



- For program inquiries or questions regarding this report, please contact Kendra Tapia at kendra.tapia@cdfa.ca.gov or (916) 823-1169.

2025 Beet Curly Top Virus 3-Year Average BLH Counts

July County Average BLH Counts				
<u>County</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
Fresno	3.2	1.2	0.01	0.06
Kings	0.2	0.4	0.1	0.01
Kern	-	1.1	0.08	0.06
Madera	0.1	0.09	-	0.1
Merced	-	0.2	-	0.1
Butte	-	1.1	-	0.08
Colusa	-	2	0	1.8
Glenn	-	0.09	-	0.3
Sacramento	-	0	-	-
San Joaquin	-	0.2	0	0.07
Stanislaus	-	0.08	0	0.1
Sutter	-	0.07	0.04	0.6
Solano	-	0.1	0	0
Yolo	-	1.1	0.1	0.1
Tulare	-	0.8	-	0
Tehama	-	-	-	0.02

2025 Beet Curly Top Virus Sample Results

January 2025- BCTV Sample Results by County														
	Fresno	Kings	Kern	Merced	Madera	Glenn	Yolo	Colusa	Sutter	Butte	Solano	Sacramento	Stanislaus	San Joaquin
Positive BLH	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Negative BLH	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Positive Host Plant	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Negative Host Plant	5	4	-	-	-	3	7	3	4	4	3	2	-	7

February 2025- BCTV Sample Results by County														
	Fresno	Kings	Kern	Merced	Madera	Glenn	Yolo	Colusa	Sutter	Butte	Solano	Sacramento	Stanislaus	San Joaquin
Positive BLH	6	3	1	-	-	-	-	-	-	-	-	-	-	-
Negative BLH	7	2	5	-	-	-	-	-	-	-	-	-	-	-
														-
Positive Host Plant	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Negative Host Plant	72	21	27	12	10	10	6	4	6	2	10	2	9	7

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April 2025- BCTV Sample Results by County														
	Fresno	Kings	Kern	Merced	Madera	Glenn	Yolo	Colusa	Sutter	Butte	Solano	Sacramento	Stanislaus	San Joaquin
Positive BLH	7	8	8	-	-	-	-	-	-	-	-	-	-	-
Negative BLH	2	1	-	-	-	-	-	-	-	-	-	-	1	-
Positive Host Plant	3	3	16	-	-	-	-	-	-	-	-	-	-	-
Negative Host Plant	27	14	81	2	-	7	6	6	6	5	6	4	7	8
Positive Tomato Plants	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Negative Tomato Plants	-	-	-	-	-	-	2	3	5	-	2	-	-	-

May 2025- BCTV Sample Results by County																	
	Fresno	Kings	Kern	Merced	Madera	Glenn	Yolo	Colusa	Sutter	Butte	Solano	Sacrament	Stanislaus	San Joaquin	Imperial	Monterey	Riverside
Positive BLH	9	-	6	1	-	-	-	-	-	-	-	-	-	-	1	1	-
Negative BLH	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2
Positive Host Plant	5	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Negative Host Plant	9	-	24	1	1	2	3	2	5	2	4	-	3	6	5	2	4
Positive Tomato Plants	-	-	34	-	-	-	2	-	-	-	-	-	-	1	-	-	-
Negative Tomato Plants	14	3	23	-	-	3	14	7	14	-	6	-	8	2	1	-	-

June 2025- BCTV Sample Results by County															
	Fresno	Kings	Kern	Merced	Madera	Glenn	Yolo	Colusa	Sutter	Butte	Solano	Sacrament	Stanislaus	San Joaquin	Tulare
Positive BLH	-	-	4	-	1	-	-	-	-	-	-	-	1	-	-
Negative BLH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Positive Host Plant	4	-	11	-	1	-	-	-	-	-	-	-	1	-	-
Negative Host Plant	5	-	28	1	1	3	3	2	2	-	3	-	1	1	-
Positive Tomato Plants	39	13	38	15	1	-	-	1	-	-	-	-	10	9	-
Negative Tomato Plants	22	9	19	11	3		29	12	8	-	17	-	4	4	1

July 2025- BCTV Sample Results by County															
	Fresno	Kings	Kern	Merced	Madera	Glenn	Yolo	Colusa	Sutter	Butte	Solano	Sacramento	Stanislaus	San Joaquin	Tehama
Positive BLH	3	-	3	-	4	-	-	-	-	-	-	-	-	-	-
Negative BLH	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Positive Host Plant	16	-	17	-	5	-	-	1	-	1	-	-	1	-	-
Negative Host Plant	11	6	16	6	9	1	5	-	2	2	-	-	2	1	2
Positive Tomato Plants	12	6	5	14	-	-	1	4	-	-	1	1	3	1	-
Negative Tomato Plants	3	1	3	5	-	2	16	11	3	-	4	1	-	8	3

County Reports

Fresno County

- BLH population surveys were conducted in the overwintering foothills as well as in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained low throughout survey areas, averaging 0-1 BLH per sweep set.
- Host plant vegetation surveyed included Lamb's Quarter, Russian Thistle, Salt Bush, Pig Weed, and Bassia.
- A map identifying the location of the BLH counts is provided at the end of the report.

Fresno County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per sweep set</u>
Fresno Zone 05	7/2/2025	0.02
Fresno Zone 07	7/8/2025	0.03
Fresno Zone 02	7/9/2025	0.1
Fresno Zone 04	7/9/2025	0.03
Fresno Zone 07	7/9/2025	0.05
Fresno Zone 02	7/10/2025	0.8
Fresno Zone 04	7/10/2025	0.08
Fresno Zone 05	7/10/2025	0.04
Fresno Zone 02	7/14/2025	0.5

Fresno Zone 05	7/14/2025	0.05
Fresno Zone 04	7/15/2025	0.03
Fresno Zone 05	7/15/2025	0.04
Fresno Zone 02	7/16/2025	0.8
Fresno Zone 05	7/16/2025	0.06
Fresno Zone 05	7/17/2025	0.1
Fresno Zone 07	7/21/2025	0.04
Fresno Zone 02	7/22/2025	0.06
Fresno Zone 07	7/28/2025	0.5
Fresno Zone 02	7/29/2025	0.02
Fresno Zone 05	7/29/2025	0.01
Fresno Zone 09	7/29/2025	0.02
Fresno Zone 02	7/30/2025	0.05
Fresno Zone 02	7/31/2025	0.1
Fresno Zone 10	7/31/2025	0.1

Kern County

- BLH population surveys were conducted in the overwintering foothills as well as in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained low throughout survey areas, averaging 0-1 BLH per sweep set.
- Host plant vegetation surveyed included Russian Thistle, Bassia, Mallow, Lamb's Quarter, Goosefoot, and Pig Weed.
- A map identifying the location of the BLH counts is provided at the end of the report.

Kern County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per sweep set</u>
Kern Zone 05	7/1/2025	0.1
Kern Zone 06	7/1/2025	1.0
Kern Zone 02	7/2/2025	0.1
Kern Zone 05	7/3/2025	0.3
Kern Zone 11	7/7/2025	0.1
Kern Zone 09	7/8/2025	0.1
Kern Zone 09	7/9/2025	0.2
Kern Zone 09	7/10/2025	0.06
Kern Zone 04	7/14/2025	0.05
Kern Zone 10	7/14/2025	0.04
Kern Zone 04	7/15/2025	0.05

Kern Zone 10	7/15/2025	0.1
Kern Zone 04	7/16/2025	0.1
Kern Zone 10	7/16/2025	0.1
Kern Zone 12	7/16/2025	0.1
Kern Zone 04	7/17/2025	0.03
Kern Zone 11	7/17/2025	0.04
Kern Zone 01	7/21/2025	0.05
Kern Zone 02	7/21/2025	0.03
Kern Zone 04	7/21/2025	0.1
Kern Zone 01	7/22/2025	0.1
Kern Zone 01	7/23/2025	0.04
Kern Zone 08	7/24/2025	0.1
Kern Zone 09	7/24/2025	0.2
Kern Zone 11	7/24/2025	0.05
Kern Zone 01	7/28/2025	0.04
Kern Zone 01	7/29/2025	0.02
Kern Zone 04	7/29/2025	0.01
Kern Zone 10	7/29/2025	0.06
Kern Zone 01	7/30/2025	0.01
Kern Zone 10	7/30/2025	0.05
Kern Zone 01	7/31/2025	0.03
Kern Zone 10	7/31/2025	0.2

Kings County

- BLH population surveys were conducted in the overwintering foothills as well as in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained low throughout survey areas, averaging 0-1 BLH per sweep set.
- Host plant vegetation surveyed included Russian Thistle and Bassia.
- A map identifying the location of the BLH counts is provided at the end of the report.

Kings County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per sweep set</u>
Kings Zone 02	7/23/2025	0.05

Madera County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained low throughout the survey areas, averaging 0-1 BLH per sweep set.
- Host vegetation surveyed included Mustards, Lamb's Quarter, Salt Bush, Bassia, Purslane, and Russian Thistle.
- A map identifying BLH counts is provided at the end of the report.

Madera County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per sweep set</u>
Madera Zone 01	7/14/2025	0.2
Madera Zone 01	7/15/2025	0.2
Madera Zone 01	7/28/2025	0.1
Madera Zone 01	7/29/2025	0.05

Merced County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained low throughout the survey areas, averaging 0-1 BLH per sweep set.
- Host vegetation surveyed included Bassia, Pig Weed, Mustards, Mallow, Lamb's Quarter, and Russian Thistle.
- A map identifying BLH counts is provided at the end of the report.

Merced County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per sweep set</u>
Merced Zone 01	7/1/2025	0.1
Merced Zone 01	7/3/2025	0.1
Merced Zone 01	7/14/2025	0.2
Merced Zone 01	7/15/2025	0.1
Merced Zone 01	7/16/2025	0.1
Merced Zone 01	7/28/2025	0.2
Merced Zone 01	7/29/2025	0.2
Merced Zone 01	7/30/2025	0.2
Merced Zone 01	7/31/2025	0.1

San Joaquin County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained low throughout the survey areas, averaging 0-1 BLH per sweep set.
- Host vegetation surveyed included Mallow and Russian Thistle.
- A map identifying BLH counts is provided at the end of the report.

San Joaquin County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per sweep set</u>
San Joaquin Zone 01	7/1/2025	0.1

Colusa County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained low throughout the survey areas, averaging 0-2 BLH per sweep set.
- Host vegetation surveyed included Mallow.
- A map identifying BLH counts is provided at the end of the report.

Colusa County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per sweep set</u>
Colusa Zone 01	7/23/2025	1.8

Yolo County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained very low throughout the survey areas, averaging 0-1 BLH per sweep set.
- Host vegetation surveyed included Mallow, Lamb's Quarter, Kochia, Bindweed, and Russian Thistle.
- A map identifying BLH counts is provided at the end of the report.

Yolo County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per sweep set</u>
Yolo Zone 01	7/3/2025	0.4
Yolo Zone 01	7/14/2025	0.05
Yolo Zone 01	7/15/2025	0.05
Yolo Zone 01	7/17/2025	0.5

Sutter County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained very low throughout the survey areas, averaging 0-1 BLH per sweep set.
- Host vegetation surveyed included Mallow.
- A map identifying BLH counts is provided at the end of the report.

Sutter County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per sweep set</u>
Sutter Zone 01	7/21/2025	0.6

Stanislaus County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained very low throughout the survey areas, averaging 0-1 BLH per sweep set.
- Host vegetation surveyed included Mustards, Bassia, Russian Thistle, and Salt Bush.
- A map identifying BLH counts is provided at the end of the report.

Stanislaus County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per sweep set</u>
Stanislaus Zone 01	7/21/2025	0.3
Stanislaus Zone 01	7/22/2025	0.1
Stanislaus Zone 01	7/23/2025	0.1
Stanislaus Zone 01	7/24/2025	0.07

Glenn County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained very low throughout the survey areas, averaging 0-1 BLH per sweep set.
- Host vegetation surveyed included Russian Thistle and Mallow.
- A map identifying BLH counts is provided at the end of the report.

Glenn County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per sweep set</u>
Glenn Zone 01	7/22/2025	0.3

Butte County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained very low throughout the survey areas, averaging 0-1 BLH per sweep set.
- Host vegetation surveyed included Russian Thistle, Bindweed, and Mallow.
- A map identifying BLH counts is provided at the end of the report.

Butte County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per sweep set</u>
Butte Zone 01	7/24/2025	0.1

Sacramento County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- No BLH were observed during survey in Sacramento County.
- Host vegetation surveyed included Mallow.

Solano County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.

- No BLH were observed during survey in Solano County.
- Host vegetation surveyed included Bassia.

Tulare County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- No BLH were observed during survey in Tulare County.
- Host vegetation surveyed included Bassia.

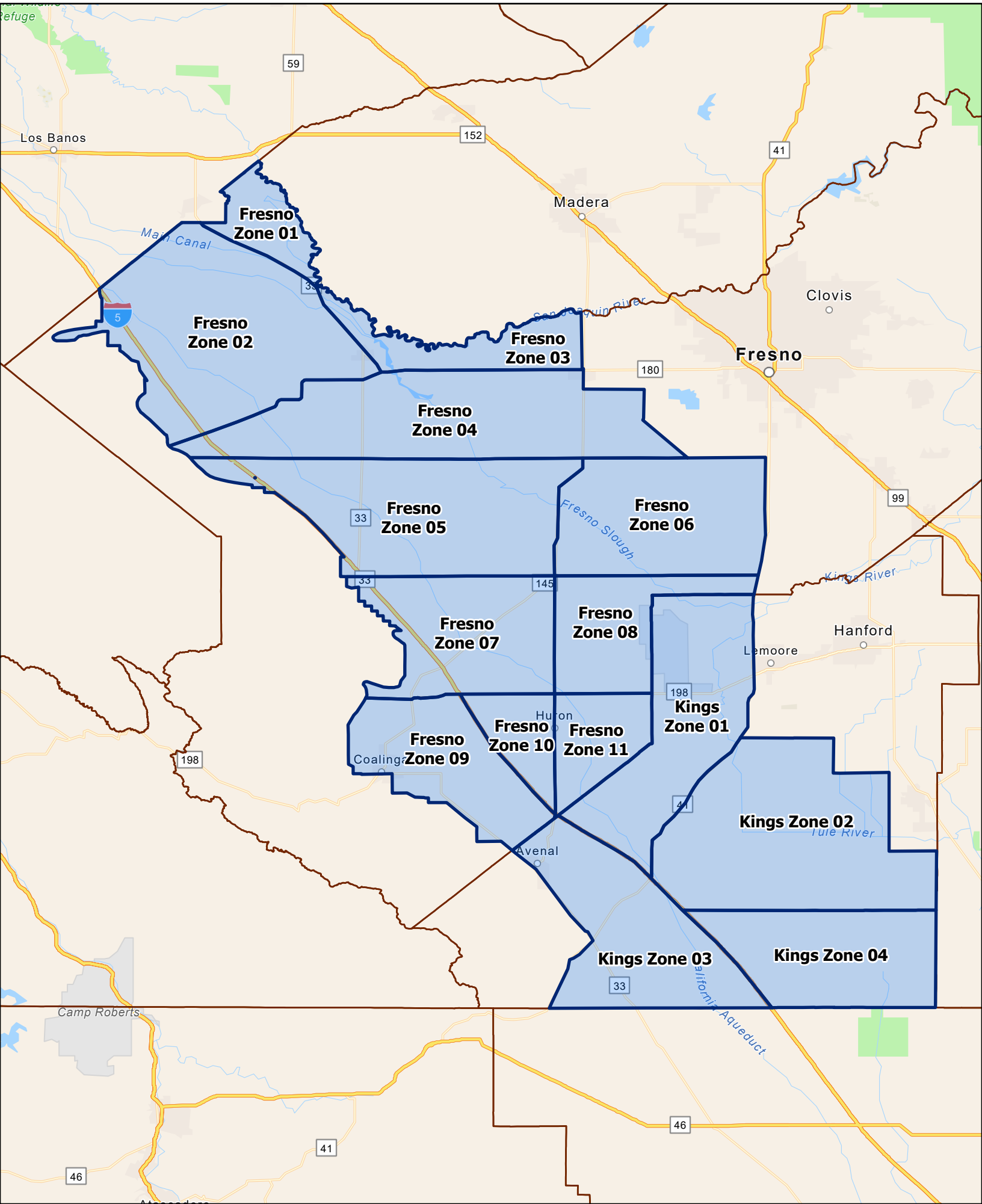
Tehama County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained very low throughout the survey areas, averaging 0-1 BLH per sweep set.
- Host vegetation surveyed included Russian Thistle, Spanish Clover, and Mallow.
- A map identifying BLH counts is provided at the end of the report.

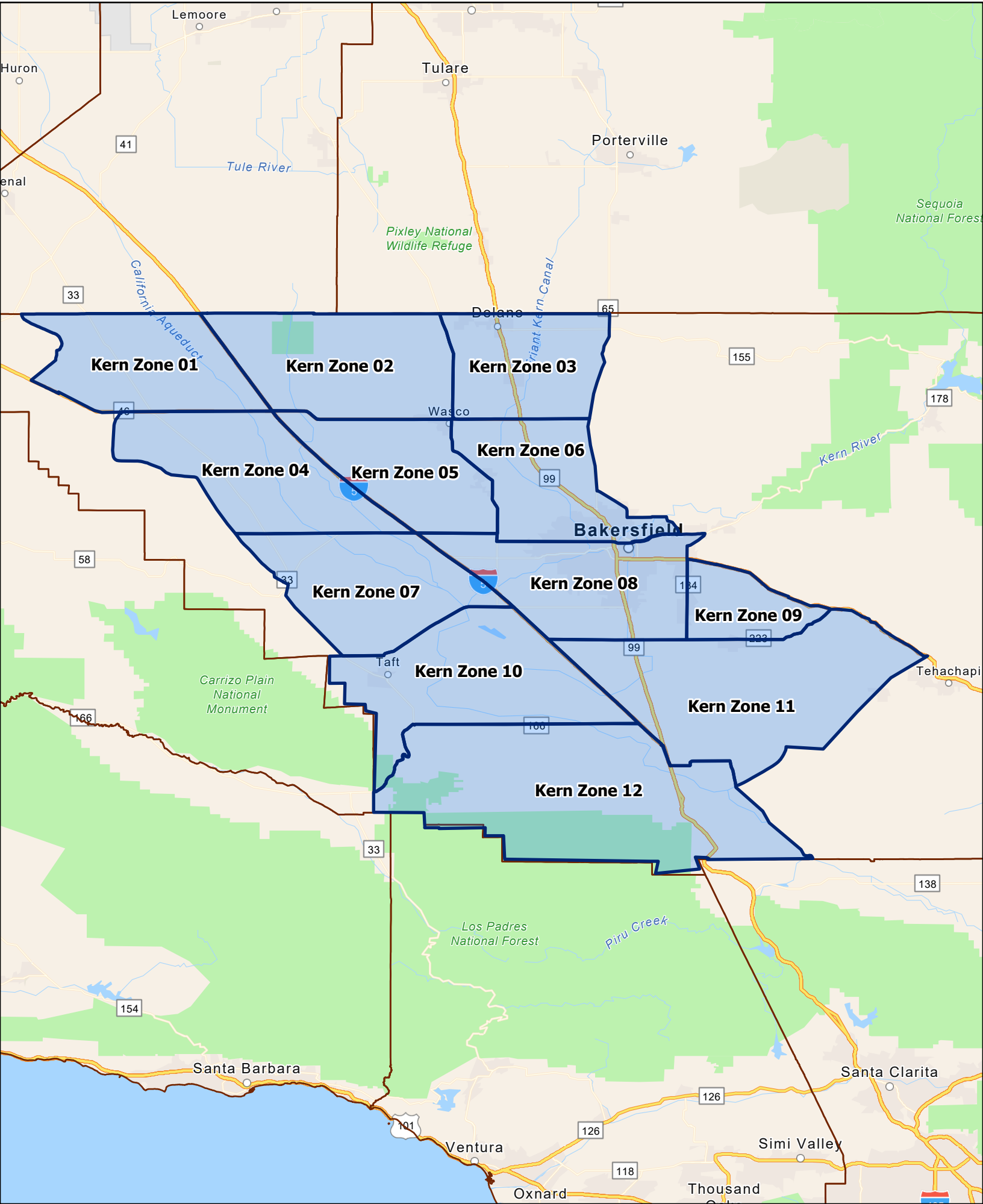
Tehama County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per sweep set</u>
Tehama Zone 01	7/7/2025	0.1

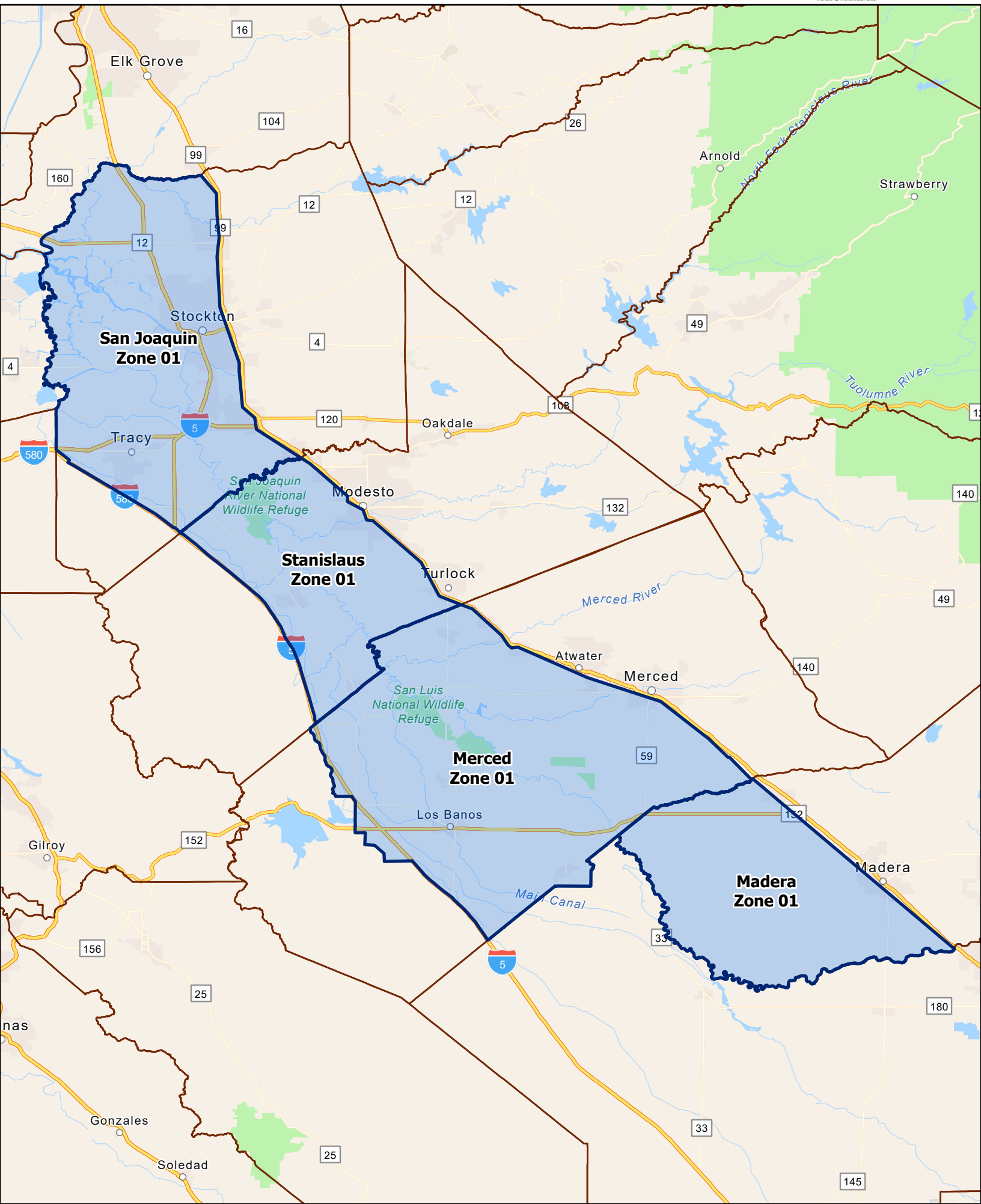
To subscribe to the BCTV monthly report, updates, and alerts, please use the link below:
www.cdfa.ca.gov/subscriptions/

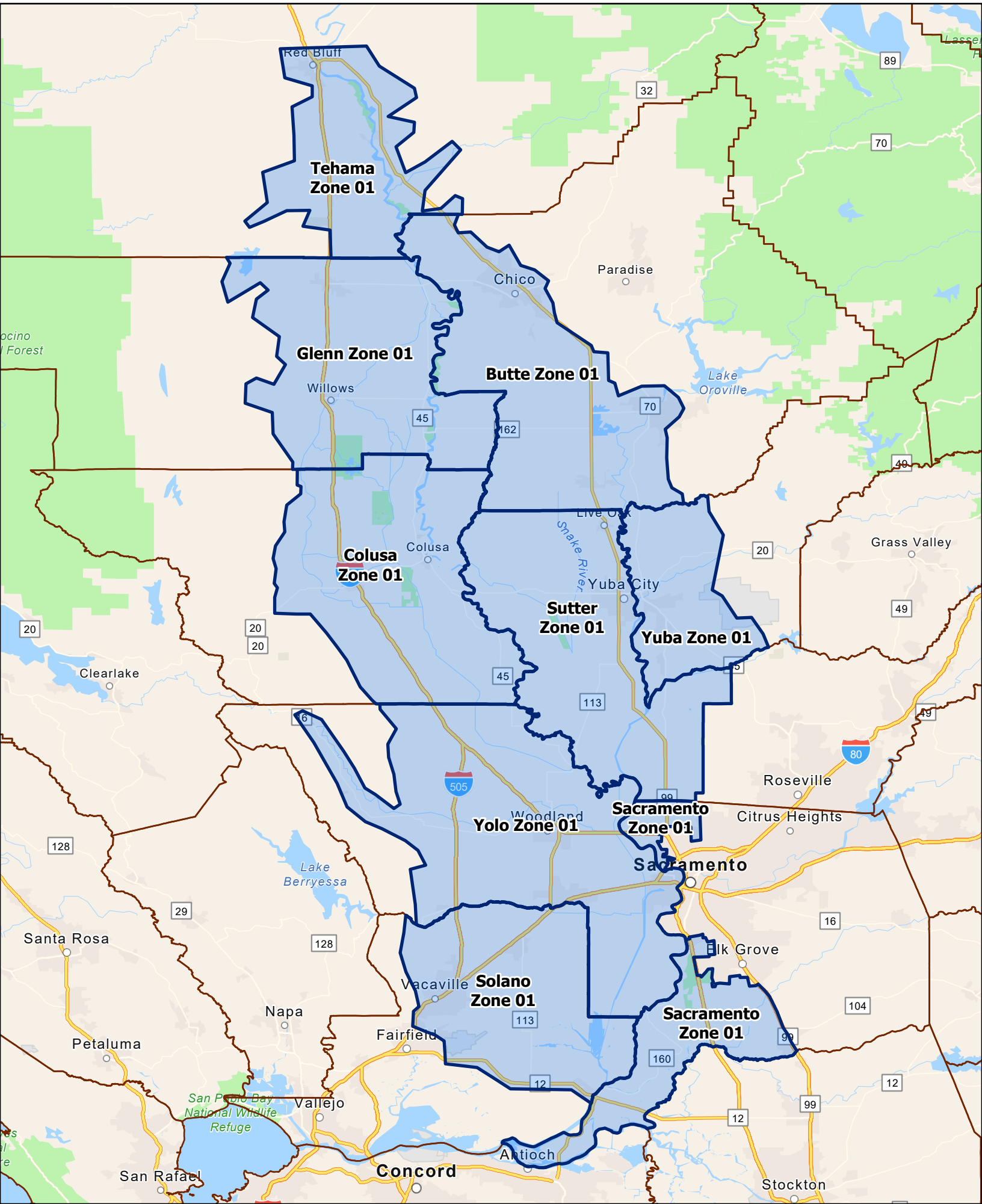
CTV Control Program Survey Zones Fresno & Kings Counties



CTV Control Program Survey Zones Kern County

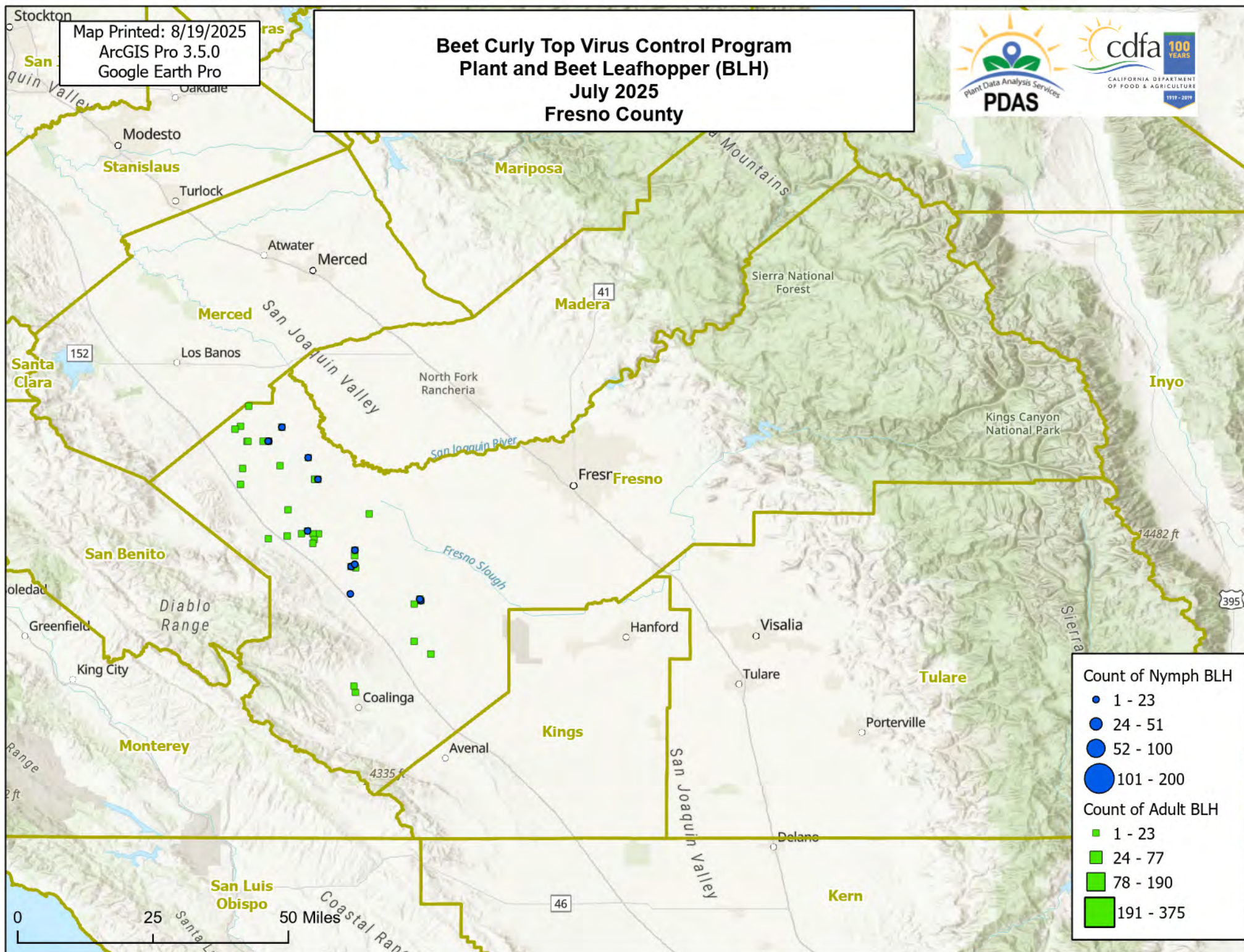






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ArcGIS Pro 3.5.0
Google Earth Pro

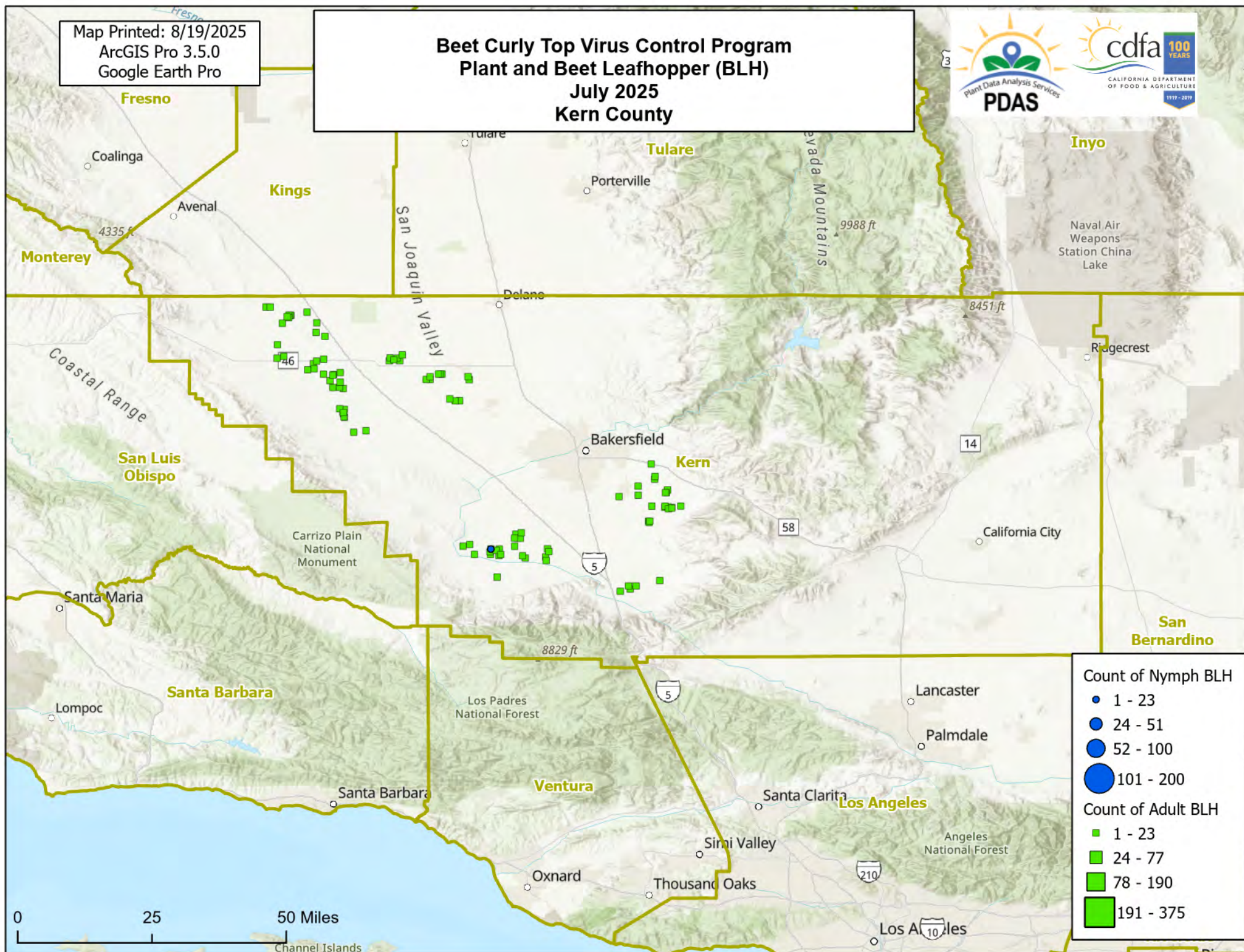
Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) July 2025 Fresno County



- Count of Nymph BLH
- 1 - 23
 - 24 - 51
 - 52 - 100
 - 101 - 200
- Count of Adult BLH
- 1 - 23
 - 24 - 77
 - 78 - 190
 - 191 - 375

Map Printed: 8/19/2025
ArcGIS Pro 3.5.0
Google Earth Pro

Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) July 2025 Kern County



Count of Nymph BLH

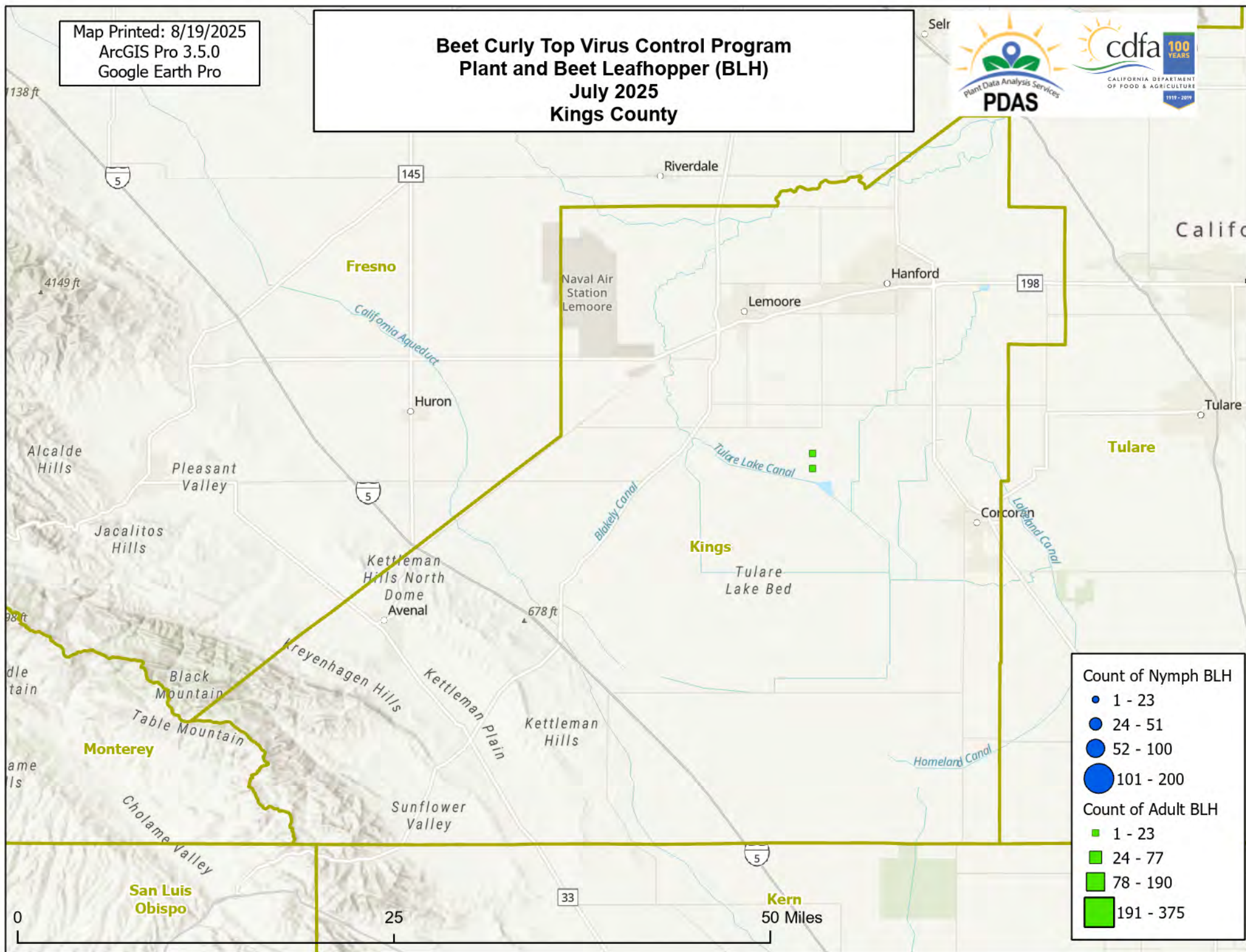
- 1 - 23
- 24 - 51
- 52 - 100
- 101 - 200

Count of Adult BLH

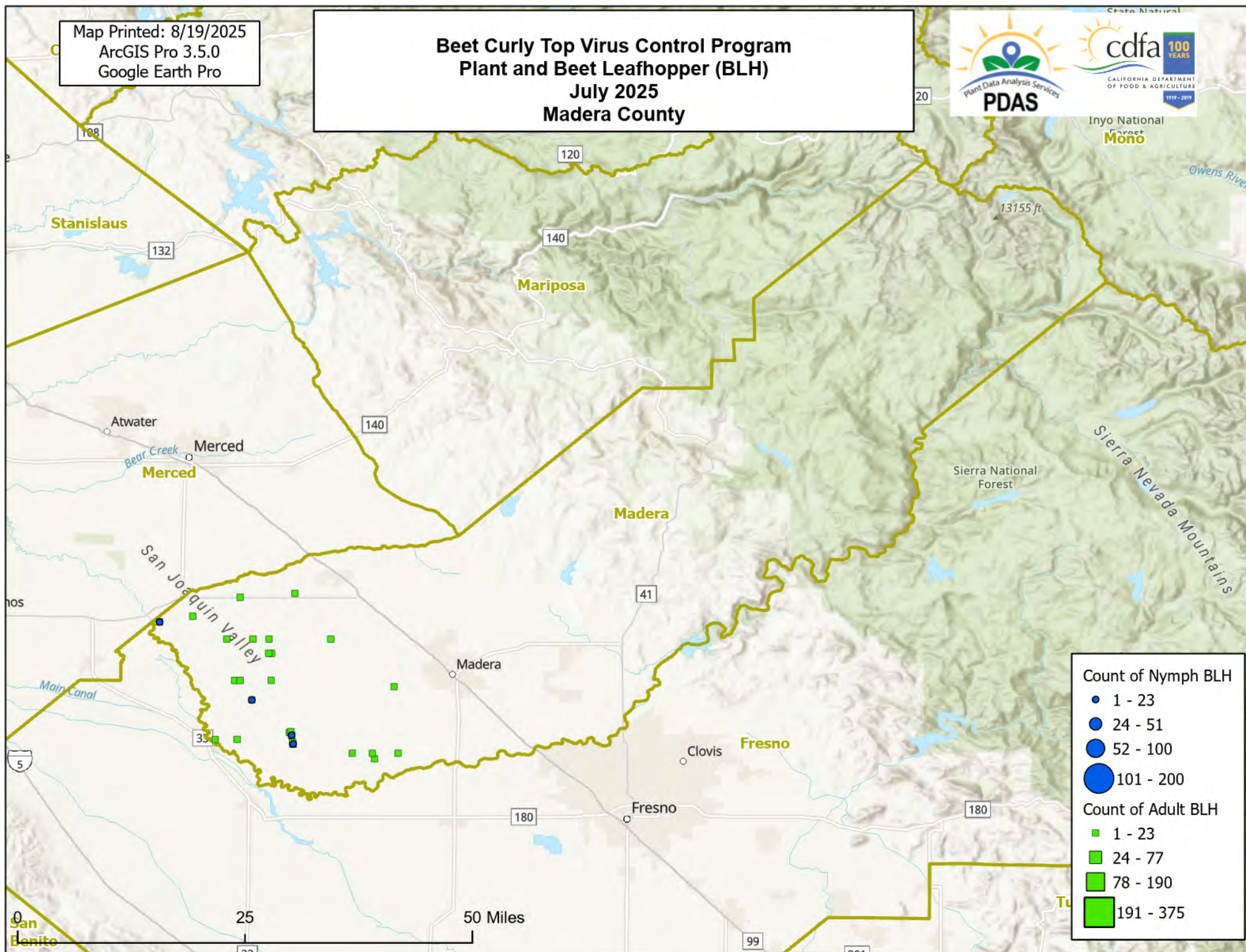
- 1 - 23
- 24 - 77
- 78 - 190
- 191 - 375

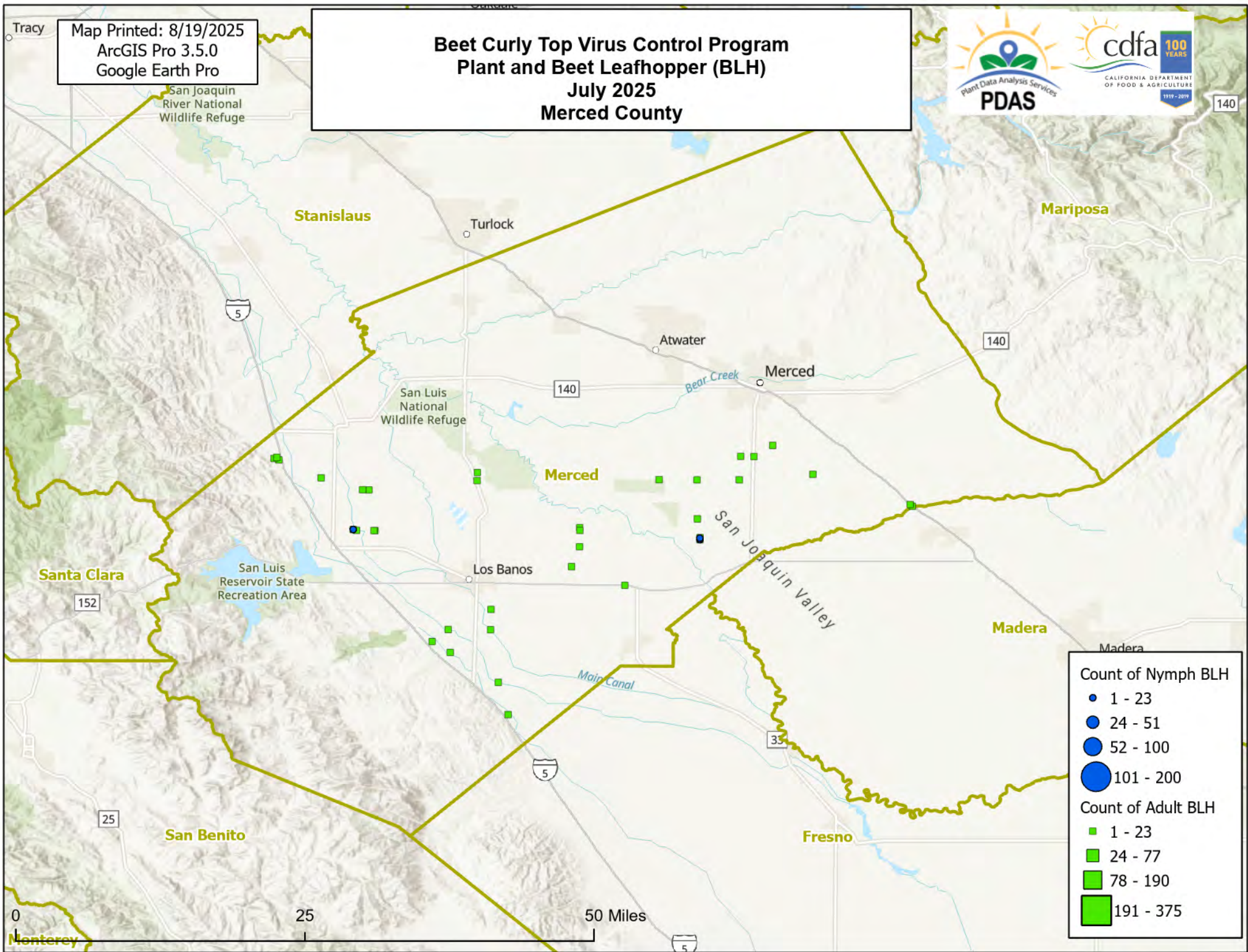
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Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) July 2025 Kings County



**Beet Curly Top Virus Control Program
Plant and Beet Leafhopper (BLH)
July 2025
Madera County**



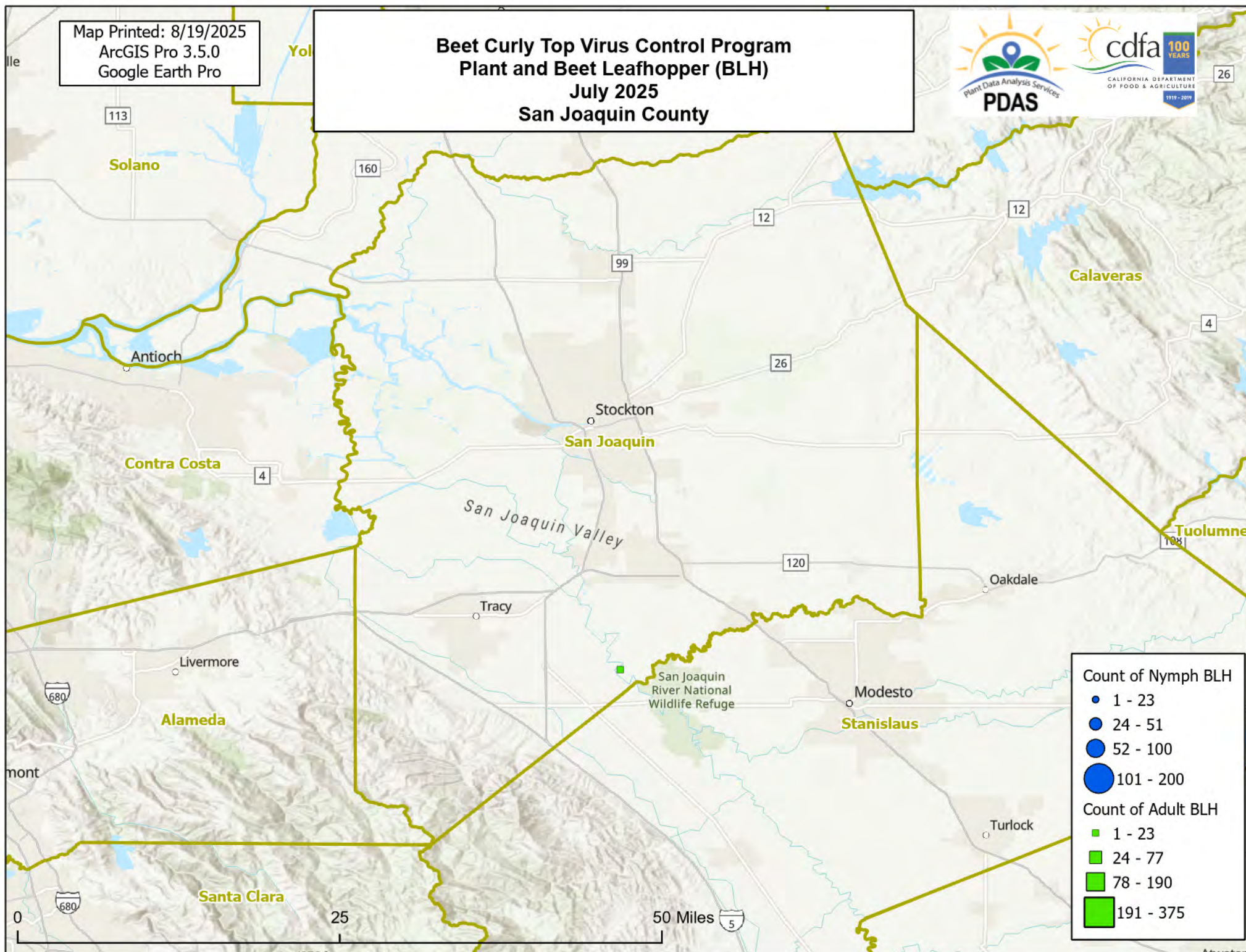


Map Printed: 8/19/2025
ArcGIS Pro 3.5.0
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Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) July 2025 San Joaquin County

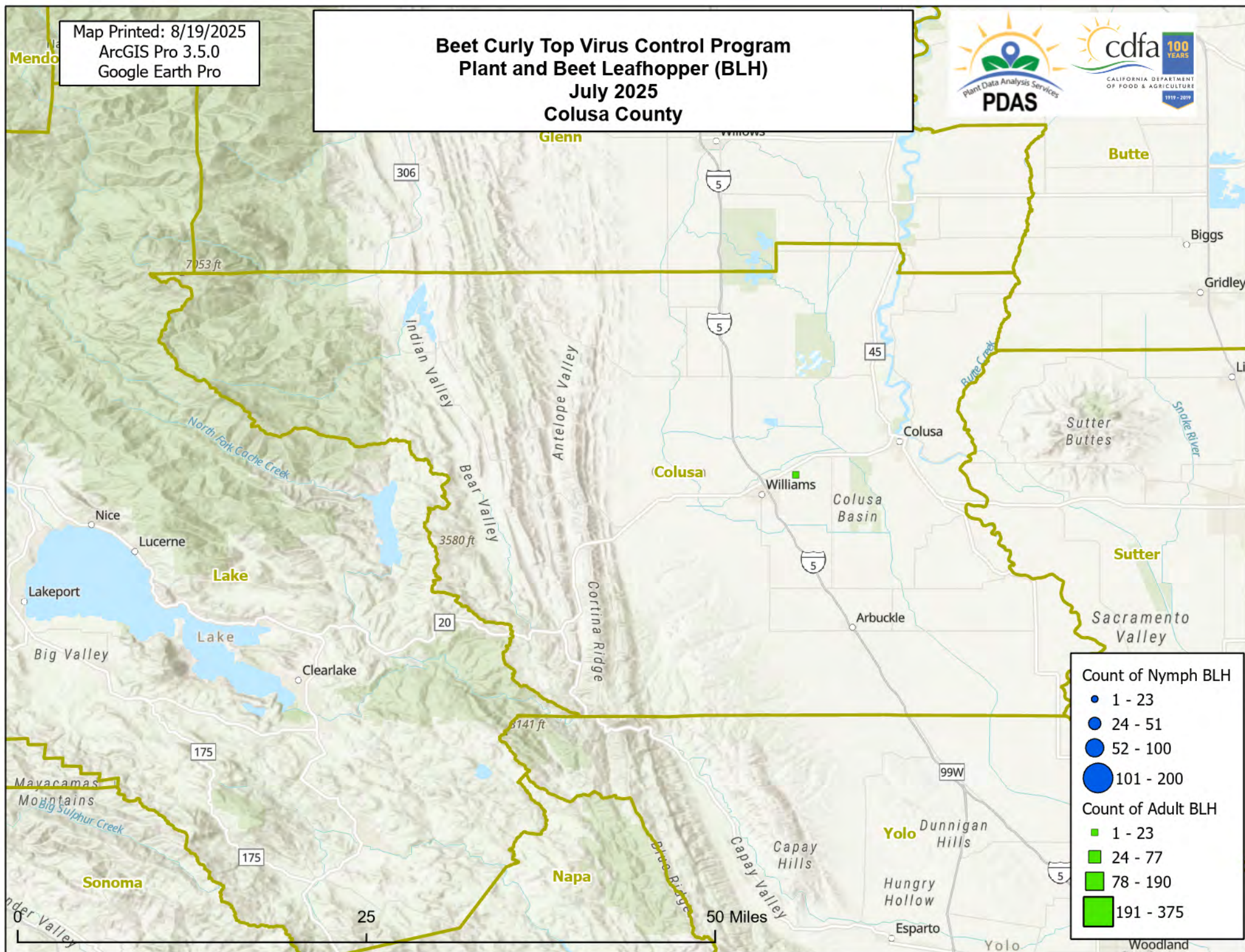


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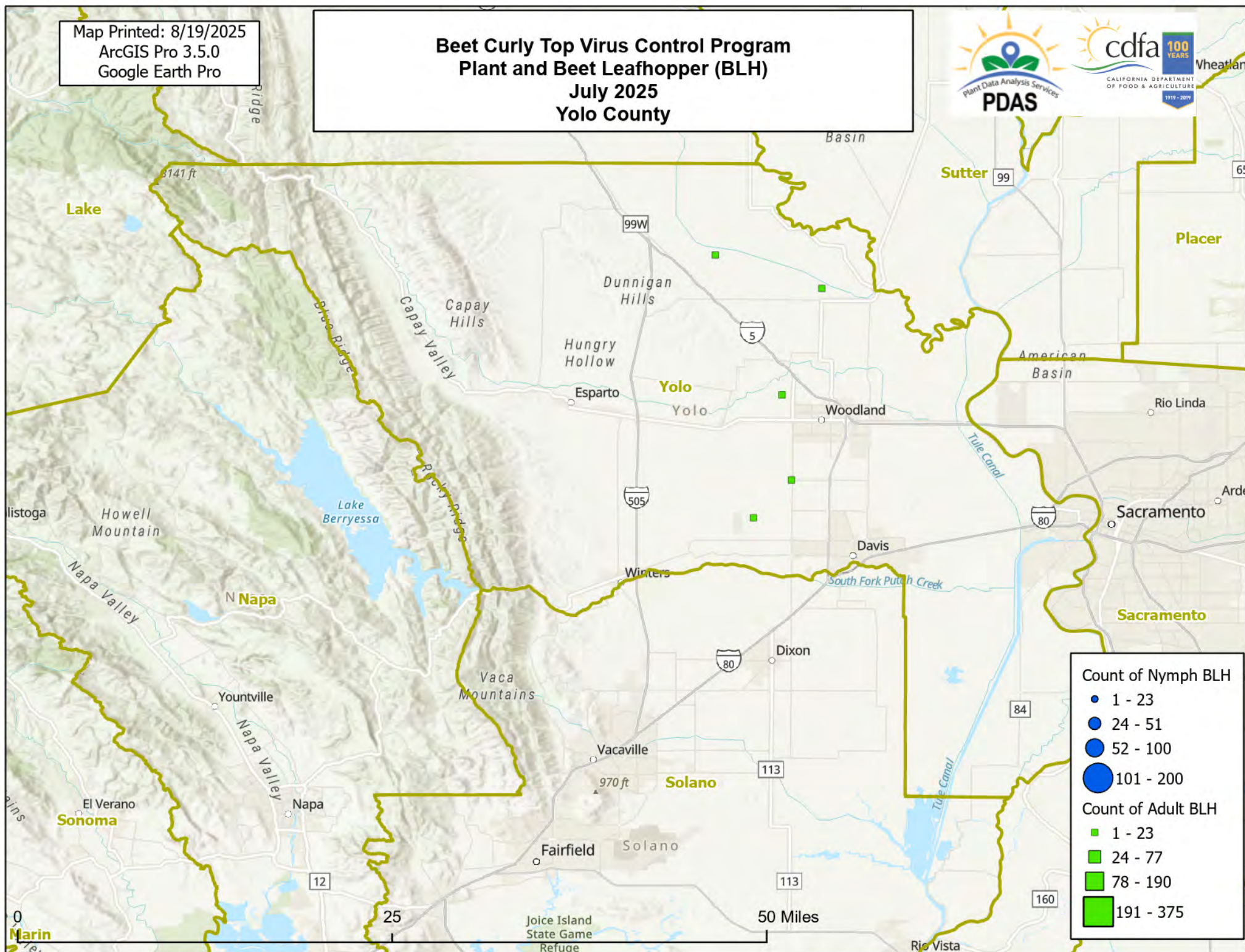
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Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) July 2025 Colusa County



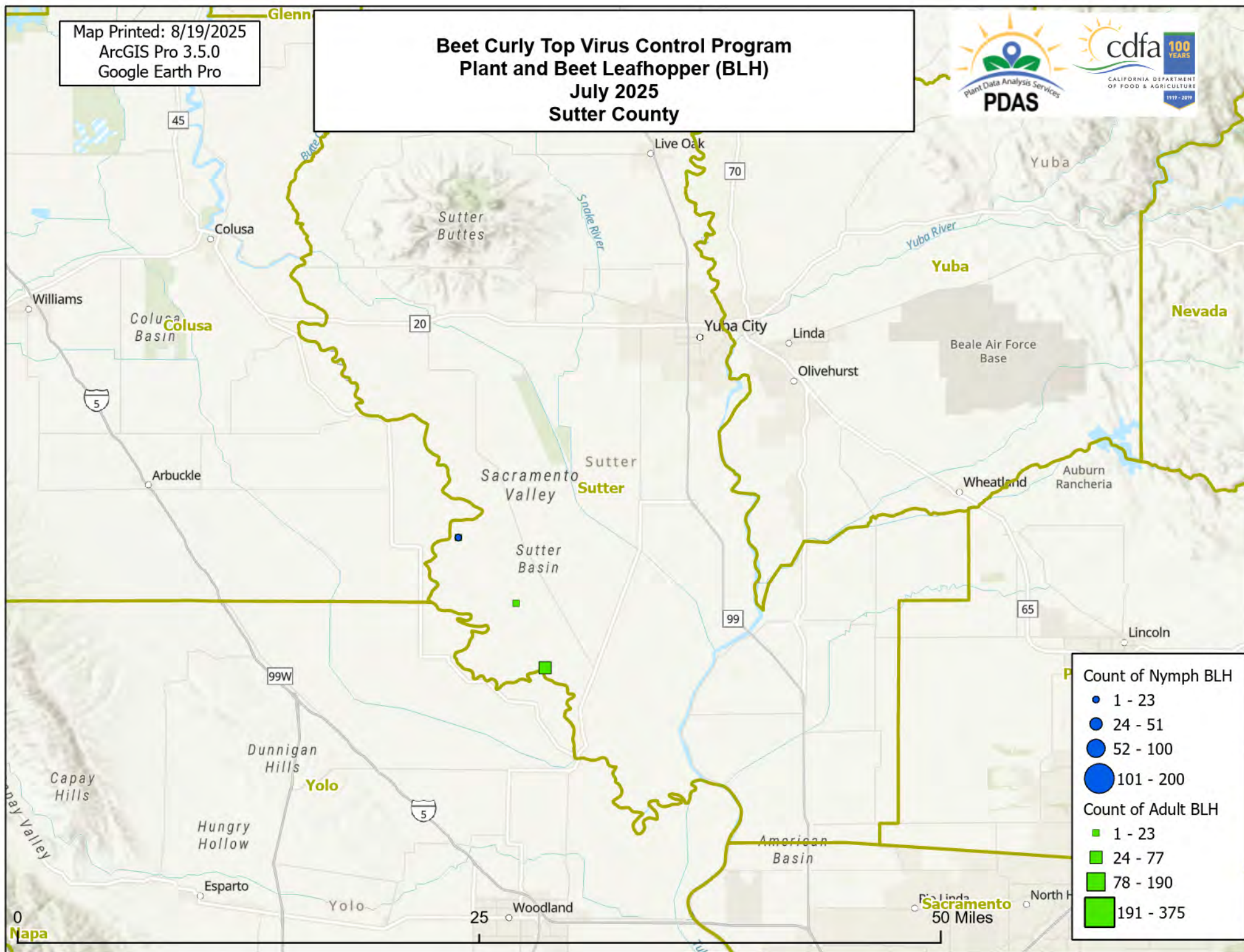
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ArcGIS Pro 3.5.0
Google Earth Pro

Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) July 2025 Yolo County



Map Printed: 8/19/2025
ArcGIS Pro 3.5.0
Google Earth Pro

Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) July 2025 Sutter County



Count of Nymph BLH

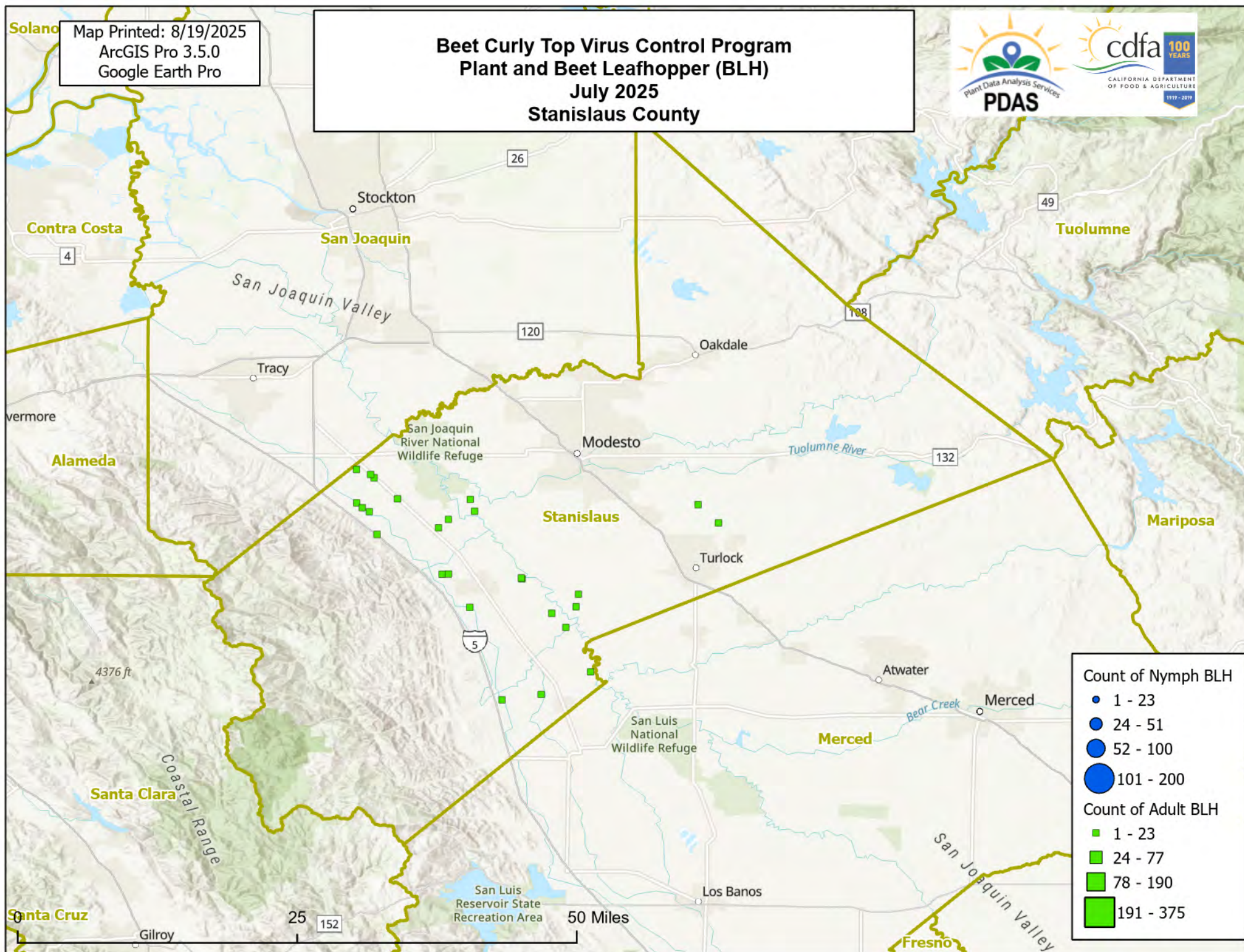
- 1 - 23
- 24 - 51
- 52 - 100
- 101 - 200

Count of Adult BLH

- 1 - 23
- 24 - 77
- 78 - 190
- 191 - 375

Map Printed: 8/19/2025
ArcGIS Pro 3.5.0
Google Earth Pro

Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) July 2025 Stanislaus County



Count of Nymph BLH

- 1 - 23
- 24 - 51
- 52 - 100
- 101 - 200

Count of Adult BLH

- 1 - 23
- 24 - 77
- 78 - 190
- 191 - 375

Map Printed: 8/19/2025
ArcGIS Pro 3.5.0
Google Earth Pro

Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) July 2025 Glenn County



Tehama

Mendocino

Mendocino National Forest

Glenn

Butte

Willows

Chico

45

162

Coastal Range

Lake

Colusa

5

Colusa

25

50 Miles

Count of Nymph BLH

• 1 - 23

• 24 - 51

• 52 - 100

• 101 - 200

Count of Adult BLH

■ 1 - 23

■ 24 - 77

■ 78 - 190

■ 191 - 375

Map Printed: 8/19/2025
ArcGIS Pro 3.5.0
Google Earth Pro

Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) July 2025 Butte County



National

Sacramento
River National
Wildlife Refuge

Tehama

Plumas

Paradise

Chico

Butte

Lake Oroville
State
Recreation Area

Sierra

Glenn

Willows

Colusa

Live Oak

Sutter

Yuba

South Yuba
River State Park

0

25

50 Miles

20

Count of Nymph BLH

- 1 - 23
- 24 - 51
- 52 - 100
- 101 - 200

Count of Adult BLH

- 1 - 23
- 24 - 77
- 78 - 190
- 191 - 375

Map Printed: 8/19/2025
ArcGIS Pro 3.5.0
Google Earth Pro

Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) July 2025 Tehama County

