

HLB Detection, Delimitation, and Tree Removal Updates

Southern District

May 4, 2022



HLB Detections

- ▶ HLB positive tree detected in Carson, Los Angeles County in March.
 - ▶ No additional hosts at the find site property.
 - ▶ Delimitation survey continues.
 - ▶ The find site and the adjacent properties were treated.
 - ▶ Tree is pending removal.
 - ▶ Unable to reach the homeowner after multiple visits.
 - ▶ Requested an outreach letter.
- ▶ HLB positive tree detected in Monrovia, Los Angeles County in April.
 - ▶ It's part of Duarte 2 expansion.
 - ▶ The find site and adjacent properties were treated.
 - ▶ The delimitation survey continues.
 - ▶ Staff are in the process of contacting the homeowner for tree removal.

HLB Delimitation Survey

Areas	Total Properties	Properties Surveyed	No Host Properties	Refusals/No Contact	Completion Percentage
Garden Grove (12)	454	90	26	2/136	20%
Westminster (1)	1,974	1,045	401	61/253	53%
Santa Ana (15)	447	119	73	0/54	27%
Anaheim (17)	1,607	1,340	515	44/117	83%
La Mirada (1)	403	378	177	0/12	94%
Ontario (12-14)	357	348	287	3/4	97%
Corona (8-10)	220	163	108	1/0	74%

HLB Positive Trees – March and April 2022

County	Trees Detected	Trees Removed	Cumulative Pending
Los Angeles	25	23	34
Orange	122	144	42
San Bernardino	9	18	3
Riverside	3	3	0
TOTAL	159	188	79



California Department of Food & Agriculture Plant Pest Diagnostics Center HLB Testing Program 2022

Total number of plant and ACP samples per month – Fig. 1

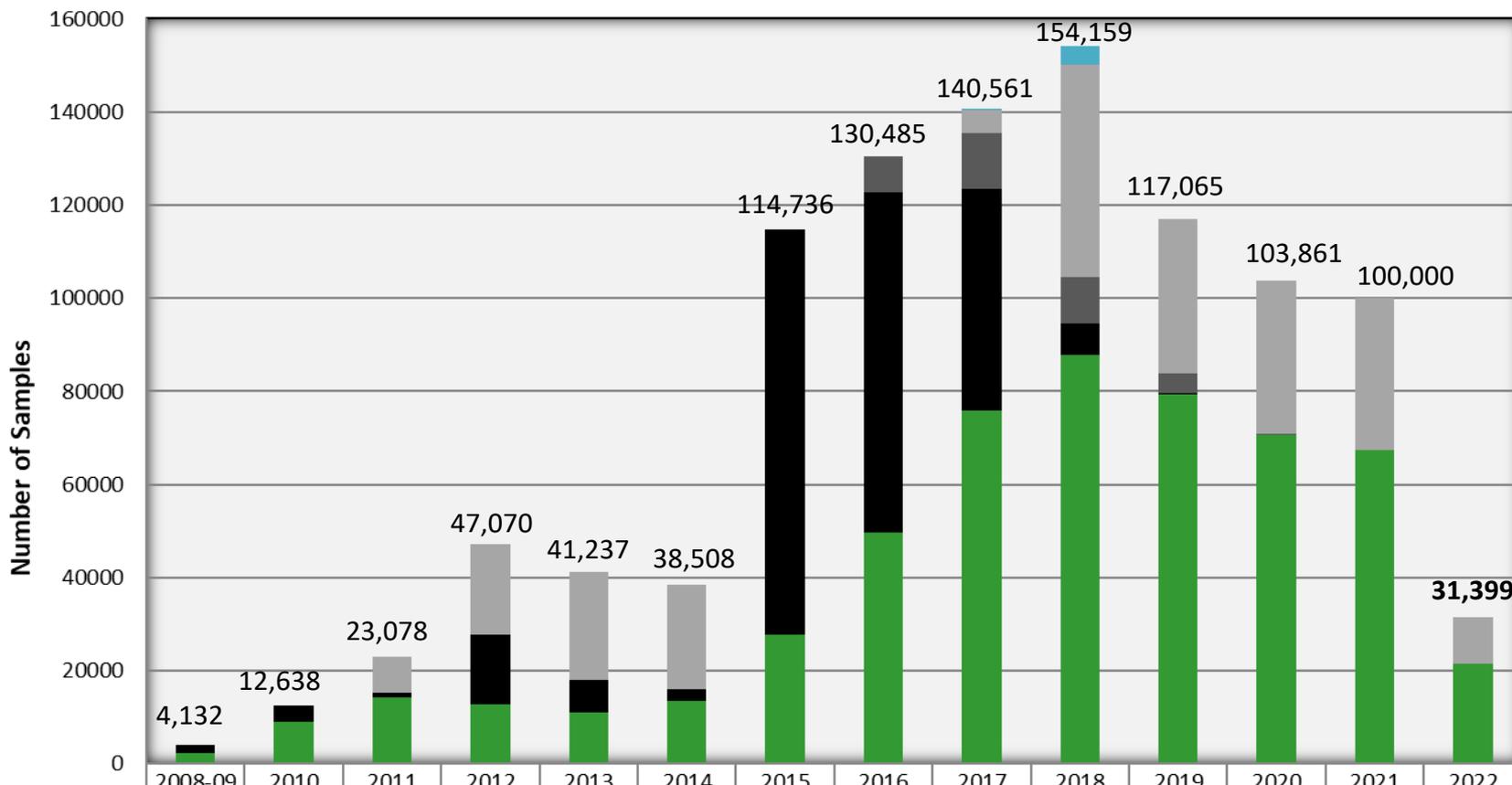
HLB yearly totals – Fig. 2

Tally of positive detections by county and city – Tables 1-3

Tally of positive detections by city per year – Tables 4

If you have any questions, please call or email me at 916-738-6710 lucita.kumagai@cdfa.ca.gov.

Fig 2. Number of samples tested for HLB per year from 2008 to Apr 2022.



	2008-09	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
CPDP ACP									94	4020	0	0	0	0
CRB ACP			7740	19380	23222	22568	0	0	5085	45550	33247	32920	32507	9976
AZ ACP								7881	11896	10079	4310	205	0	0
CDFA ACP	1923	3527	1105	15032	6872	2300	87052	72832	47619	6698	133	130	29	4
CDFA PLANT	2209	9111	14233	12658	11143	13640	27684	49772	75867	87812	79375	70606	67464	21419

Combined total of plant and ACP samples tested from 2008 – 2022 is 1,058,929.

Table 1. Tally of positive detections by county and city from 2012 to 4/25/2022.

City	# Sites	# Trees	# ACP samples
Orange County			
Garden Grove	419	640	63
Santa Ana	400	556	53
Anaheim	445	712	102
Westminster	227	342	16
Orange	91	126	11
Tustin	11	14	3
Fountain Valley	4	10	0
Huntington Beach	22	25	2
Placentia	8	7	2
La Habra	2	3	1
Fullerton	3	1	3
Yorba Linda	3	2	2
Irvine	3	2	2
Total	1638	2440	260
Los Angeles County			
Whittier	143	177	23
Pico Rivera	108	131	37
Montebello	68	95	1
San Gabriel	65	82	6
Rosemead	23	28	4
Paramount	26	32	3
La Mirada	21	29	4
La Puente	4	3	1
Norwalk	6	4	3
Cerritos	3	2	2
Hacienda Heights	2	2	1
Lakewood	5	6	0
Duarte	10	11	3
El Monte	3	2	1
Alhambra	1	1	0
Temple City	1	1	1
Compton	1	1	0
Glendora	1	0	1
South Gate	4	2	2
Long Beach	4	2	2
Los Angeles	1	0	1
Downey	3	4	1
Carson	2	1	1
Monrovia	5	8	0
Total	510	624	98
Riverside County			
Corona	24	33	12
Riverside	23	25	4
Eastvale	1	1	0
Jurupa Valley	1	1	0
Moreno Valley	1	1	0
Total	50	61	16
San Bernardino County			
Rancho Cucamonga	3	7	2
Montclair	6	6	0
Colton	6	11	3
San Bernardino	2	1	1
Ontario	49	98	18
Fontana	1	0	3
Total	67	123	27
San Diego			
Fallbrook	1	0	1
Oceanside	4	9	4
Total	5	9	5
Grand Total	2270	3257	406

Table 2. Percent positives per county

County	Sites	Trees	ACP
Orange	72.2%	74.92%	64.0%
LA	22.5%	19.16%	24.1%
Riverside	2.2%	1.87%	3.9%
San Bernardino	3.0%	3.78%	6.7%
San Diego	0.2%	0.28%	1.2%
Total	100%	100%	100%

Table 3. Tally of positive samples from Risk-based and HLB Response surveys.

Sample type	Trees		ACP	
Risk-based Survey	116	4%	183	45%
HLB Response	3141	96%	223	55%
Total	3257	100%	406	100%

Table 4. Annual tally of positive trees per city from 2012 – 2022

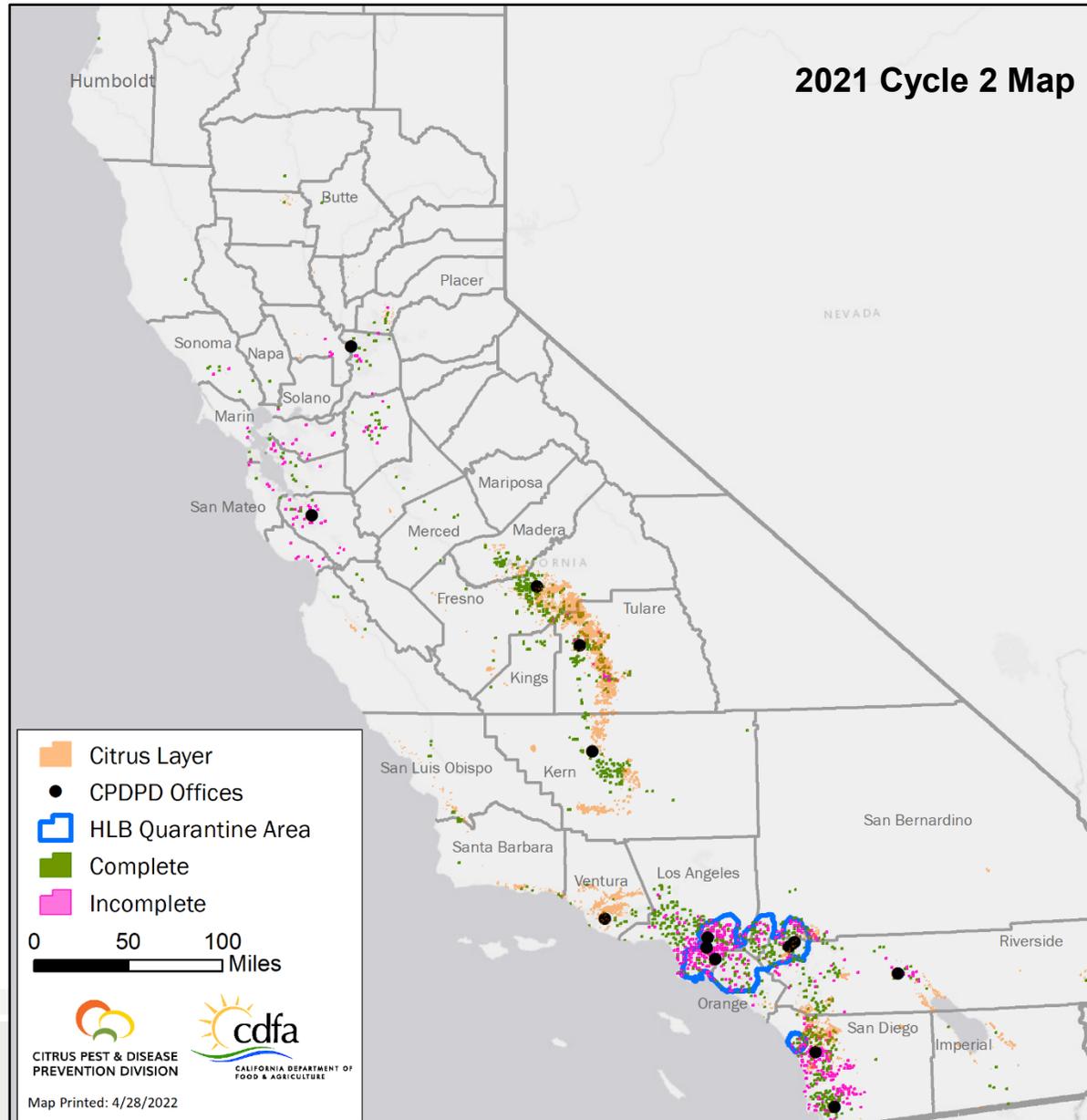
County	Total
Orange	2440
Los Angeles	624
Riverside	61
San Bernardino	123
San Diego	9
Grand Total	3257

HLB Positive Tree Detections										
City	2012	2015	2016	2017	2018	2019	2020	2021	2022	Total
Anaheim				132	109	90	21	200	160	712
Garden Grove				13	348	115	116	34	14	640
La Habra				1	0	2	0	0	0	3
Fullerton				1	0	0	0	0	0	1
Santa Ana					44	168	217	99	28	556
Westminster					15	175	3	39	110	342
Yorba Linda					1	0	0	1	0	2
Orange					31	14	36	43	2	126
Tustin					5	8	1	0	0	14
Huntington Beach						6	2	17	0	25
Placentia						7	0	0	0	7
Fountain Valley							10	0	0	10
Irvine							1	1	0	2
Hacienda Heights	1	0	1	0	0	0	0	0	0	2
San Gabriel		10	17	33	10	6	0	1	5	82
Cerritos			1	1	0	0	0	0	0	2
Pico Rivera				67	35	18	10	1	0	131
Whittier				18	80	23	21	35	0	177
La Puente					0	3	0	0	0	3
Lakewood					1	1	0	4	0	6
Norwalk					1	0	2	1	0	4
Rosemead					17	11	0	0	0	28
Duarte					2	0	0	0	9	11
Temple City						1	0	0	0	1
Montebello						84	4	0	7	95
El Monte						1	1	0	0	2
Compton						1	0	0	0	1
Alhambra						1	0	0	0	1
La Mirada							7	6	16	29
Paramount							11	8	13	32
Long Beach								2	0	2
South Gate								2	0	2
Downey									4	4
Carson									1	1
Monrovia									8	8
Glendora										
Los Angeles										
Riverside				3	0	4	6	8	4	25
Corona						15	4	11	3	33
Eastvale							1	0	0	1
Moreno Valley							1	0	0	1
Jurupa Valley								1	0	1
Montclair						2	2	2	0	6
San Bernardino							1	0	0	1
Ontario							1	64	33	98
Colton							4	7	0	11
Rancho Cucamonga							5	2	0	7
Fontana										
Oceanside								9	0	9
Fallbrook										
Total	1	10	19	269	699	756	488	598	417	3257



**Risk Research Survey Update
Operations Subcommittee Meeting
May 4, 2022**

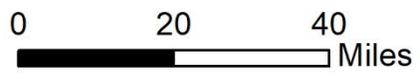
2021 Cycle 2



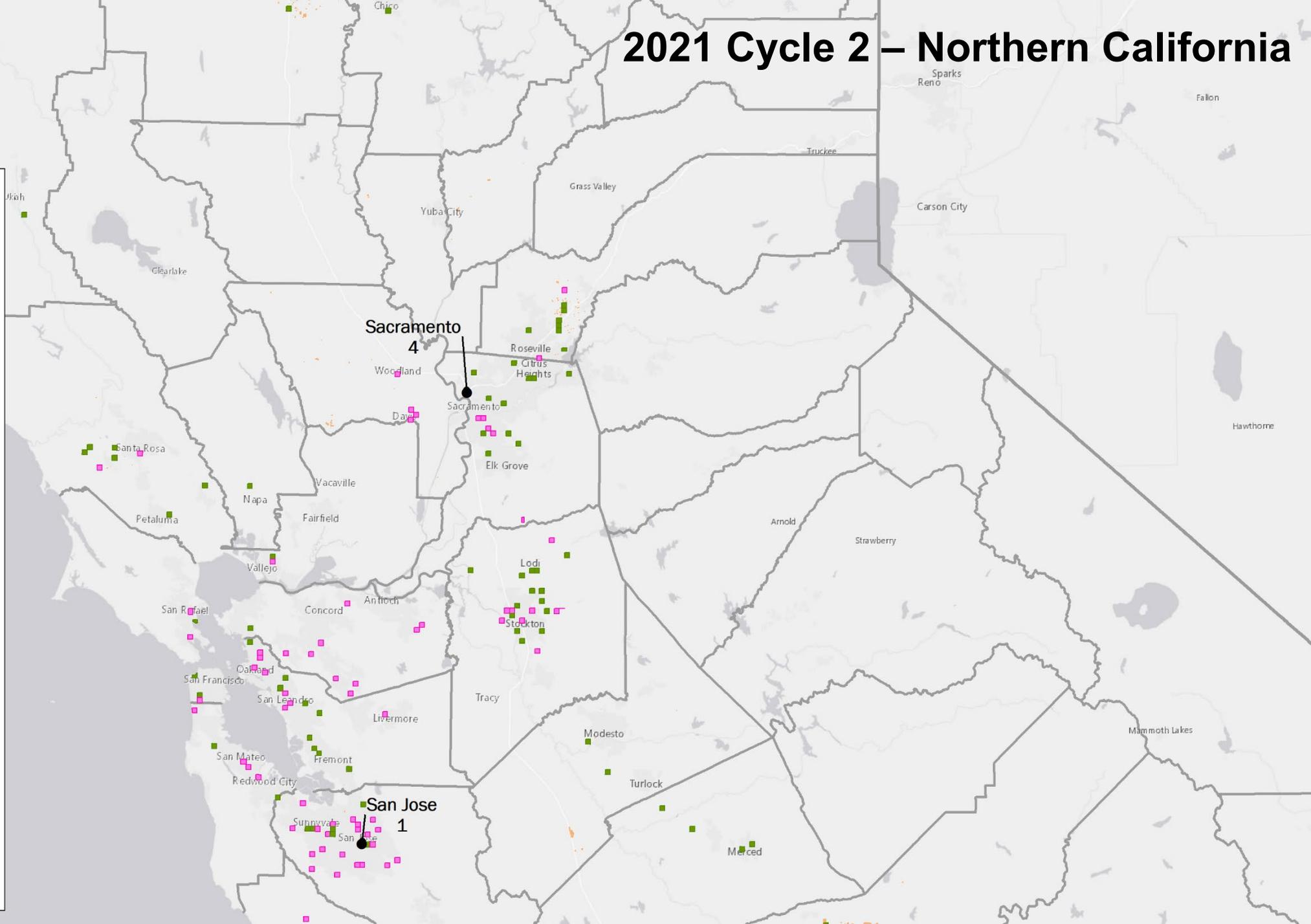
- Began November 2021
- 63% Complete
- Survey Complete in 18 of 37 Allocated Counties
- 33,879 Properties Visited
- 15,091 Properties Sampled
- 6,150 Entomology PDRs
- 11,173 Plant PDRs

2021 Cycle 2 – Northern California

-  Citrus Layer
-  Risk Survey Staff / Office
-  HLB Quarantine Area
-  Complete
-  Incomplete

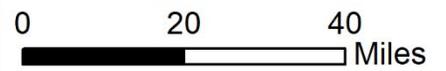


Map Printed: 4/28/2022

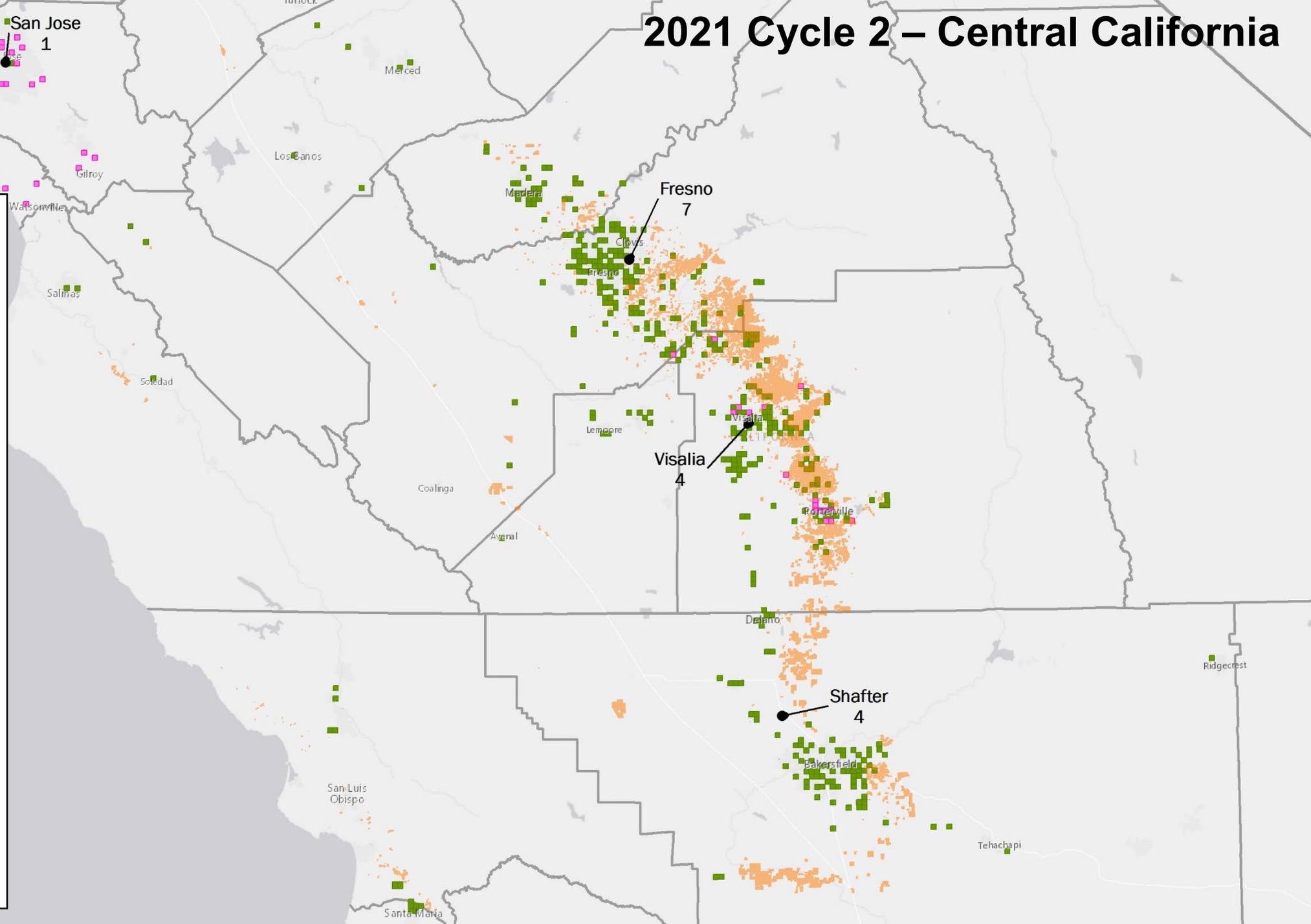


2021 Cycle 2 – Central California

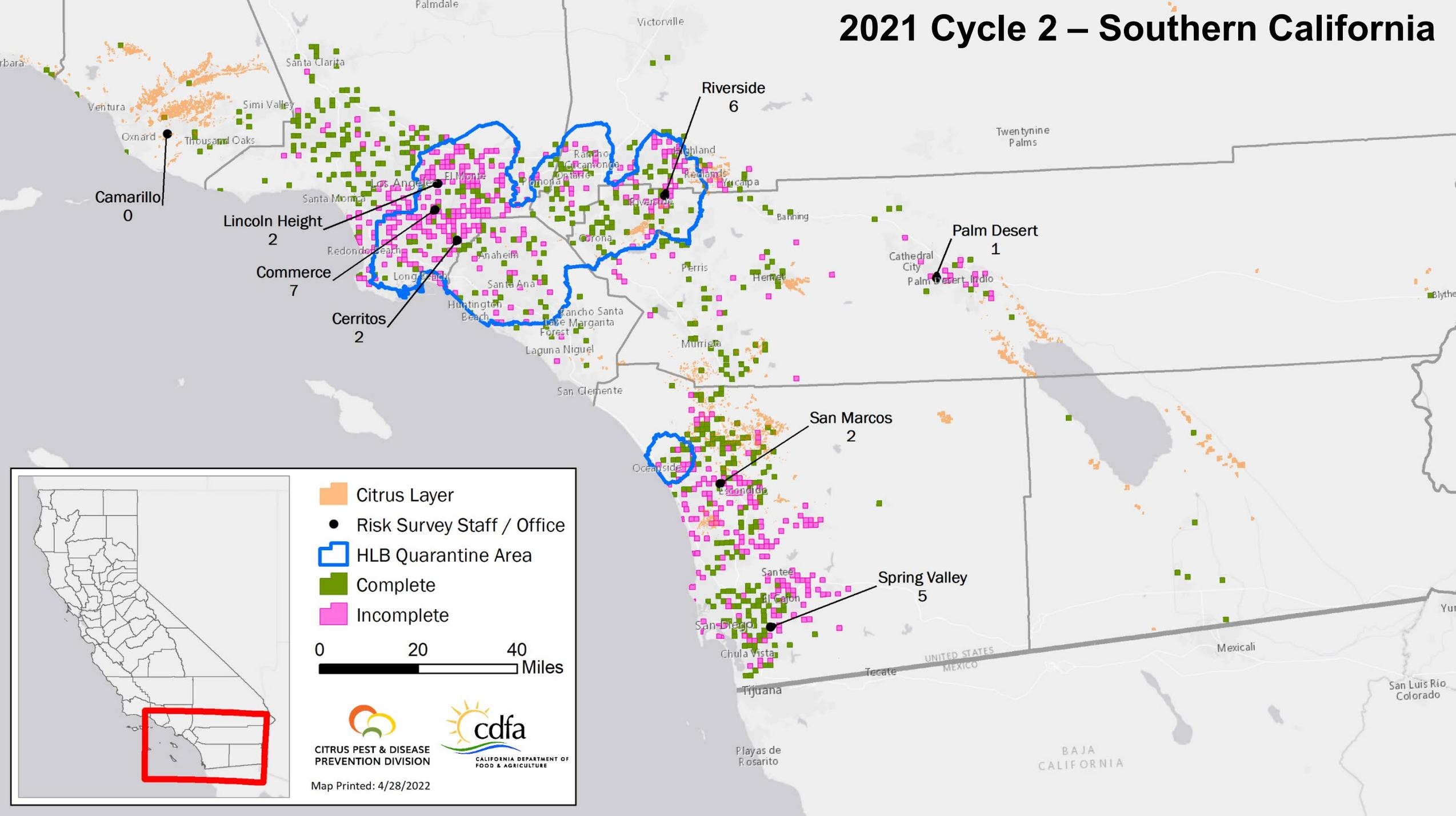
-  Citrus Layer
-  Risk Survey Staff / Office
-  HLB Quarantine Area
-  Complete
-  Incomplete



Map Printed: 4/29/2022



2021 Cycle 2 – Southern California



■ Citrus Layer
● Risk Survey Staff / Office
 HLB Quarantine Area
■ Complete
■ Incomplete

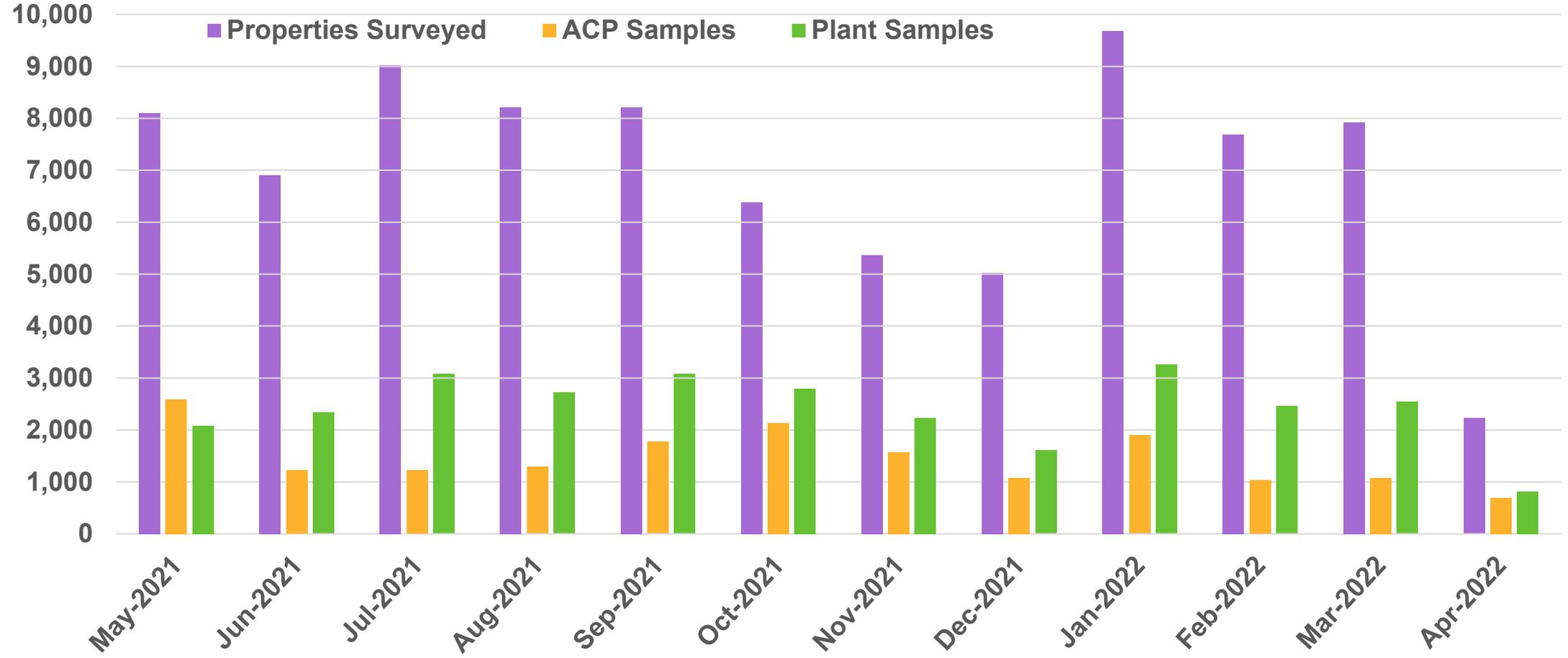
0 20 40
 Miles



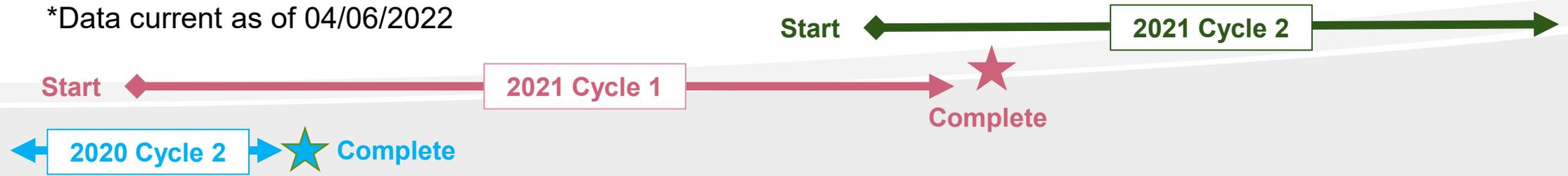
 CITRUS PEST & DISEASE PREVENTION DIVISION
 CALIFORNIA DEPARTMENT OF FOOD & AGRICULTURE
 Map Printed: 4/28/2022



Statewide Trends (2020 Cycle 2, and 2021 Cycle 1 and 2)



*Data current as of 04/06/2022



County Regulatory Activity

July 2021 - March 2022

County	FY 2021 22 Budget Amount	Percent Expended	CAs Issued	Grower Inspections	Transporter Inspections	Packer/Processor Inspections	Fruit Seller Inspections	NOVs	NOPAs
Fresno (*6)	\$93,419.64	8%	14	0	6	0	0	0	0
Imperial	\$49,682.53	52%	1	14	15	1	0	1	0
Kern (*1)	\$75,000.00	59%	14	12	504	1	0	3	0
Kings (*1)	\$26,138.94	59%	1	0	0	6	8	0	0
Los Angeles	\$271,839.35	82%	0	2	0	335	53	0	0
Monterey (*2)	\$16,171.55	41%	0	70	0	0	0	0	0
Orange (*2)	\$86,712.60	64%	5	68	6	1	0	0	0
Riverside	\$752,709.87	78%	22	202	1,731	7	13	8	0
San Bernardino (*1)	\$25,557.50	44%	19	2	1	1	0	0	0
San Diego	\$680,841.88	64%	30	135	133	49	17	5	0
San Luis Obispo	\$10,970.71	66%	7	3	0	0	0	0	0
Santa Barbara	\$19,886.44	86%	10	12	1	0	9	0	0
Tulare	\$380,000.29	60%	140	3	2,526	1	0	129	26
Ventura (*6)	\$146,007.26	37%	22	10	132	0	0	0	0
Total	\$2,634,938.56	65%	285	533	5,055	402	100	146	26

(*#) = number of invoices missing from reporting period



HLB Treatment Updates

Southern District

May 4, 2022



Treatment Updates

- ▶ Delimitation treatments were completed in areas of Anaheim, Westminster, Santa Ana, Duarte, San Gabriel, Montebello, and Ontario but continues in Corona and La Mirada.
- ▶ Residential treatments around the commercial citrus groves were completed for the winter cycle. The next treatment cycle will begin in August 2022.
- ▶ Public meetings held in March and April:
 - ▶ Los Angeles and Orange Counties delimitation areas on March 17, 2022.
 - ▶ San Bernardino County delimitation areas on March 22, 2022.
 - ▶ Los Angeles and Orange Counties delimitation areas on April 19, 2022.
 - ▶ San Bernardino and Riverside Counties delimitation areas on April 20, 2022.

HLB Delimitation Treatments

Areas	Total Properties	Properties Treated	No Host Properties	Refusals/ No Contact	Completion %
Ontario (9-14)	385	96	283	4/8	100%
Corona (10)	137	3	2	0/7	Just started
Duarte (2-5)	269	176	61	7/24	100%
Anaheim (14,16-20,22,80,81)	290	167	105	13/6	100%
Montebello (5,6,12,18)	284	167	96	15/15	100%
San Gabriel (15,17)	361	230	114	13/2	100%

HLB Delimitation Treatments

Areas	Total Properties	Properties Treated	No Host Properties	Refusals/ No Contact	Completion
Garden Grove (3,12)	373	240	144	4/19	100%
Westminster (1,2)	980	562	360	26/39	100%
Santa Ana (1,4,15,16,75)	281	122	141	3/12	100%
Santa Ana (79-81)	450	243	186	23/20	100%

Residential Treatments Around Commercial Citrus Groves

Area	Total Properties	Properties Treated	No Host Properties	Refusals/No Contact (Pending)	Completion Status
San Diego Border Buffer	5,557	1,926	3,104	439/88	Completed- Mid April
Imperial Border Buffer	4,566	1,284	2,917	298/67	Completed- Third week of April
Hemet	1,254	485	426	245/48	Completed- End of March
Coachella	1,077	355	592	26/52	Completed- End April

Southern District Staffing - Updates

County	Permanent	Seasonal	Pending Hiring	Hiring Status
Los Angeles	29	8	Two PPA I and five Ag Tech I	Need additional postings for one PPA I, and five Ag Tech I. One PPA I awaiting medical clearance. Ag Tech II starting on 5/4/2022 (included in the counts).
Orange	13	5	Two PPA III, one PPA I, eight Ag Tech I	Reviewing applications for PPA I and PPA III. Need additional postings for PPA III, and 8 Ag Tech's. Ag Tech III starting on 5/3/2022 (included in the counts).
Riverside and San Bernardino	16	19	Four seasonal positions, One ES	ES vacating position on 4/29/22. Posting for seasonal positions. Waiting for applications.
San Diego and Imperial	16	6	Two Ag Aides	Reviewing applications for these positions.

Southern District Staffing - Projects

County	Survey (Delimitation, Risk, Quadrant, Commodity, SOS)	Treatments (Delimitation, TACCG, Border Buffer, Tree Removals)	Regulatory (ACP & HLB Quarantine)
Los Angeles and Orange	33	18	3
Riverside and San Bernardino	17	12	5
San Diego and Imperial	13	7	2



Central District Update

Operations Subcommittee Meeting

May 4, 2022



Central District Update

- **No new ACP detections as of 4/28/2022**
- **ACP Detector Canine Working Group**
- **Trapping**
 - Status quo in Fresno, Madera, Kern Counties
- **Treatment Update**
 - Santa Maria follow up
 - Public meeting was held on February 2
 - Treatment began on February 9 and completed on February 25





Central District Update

- **Biocontrol releases**

- Kern County *Tamarixia* releases ongoing
- No *Tamarixia* were released in April in SLO or Santa Barbara

- **HLB Risk Research Survey**

- Risk was completed in Fresno, Kern, and Ventura Counties; Tulare County is 89% complete
- Staff are assisting with risk survey and citrus canker survey in SoCal
- Transitioning to citrus commodity surveys until June 30



Central District Update

- **Citrus Canker**

- San Luis Obispo County

- Began April 5 - Completed April 21
 - Total of 1,008 sites; 853 sites surveyed; 8 refusals
 - 15 samples submitted; all negative

Central District Update - Projects

Office	Citrus Commodity Staff	Risk Survey Staff	ACP Trapping Staff	Treatment Staff
Fresno	0	7	4	0
Visalia	0	4	1	0
Shafter	0	4	1	0
Camarillo	0	3	1	4



Central District Update - Staffing

County	Total Perm Staff (current)	Pending Hiring (vacancies)	Hiring Status
Fresno County (Fresno)	12	1 APCS	1 APCS vacancy, advertised
Kern County (Shafter)	7	1 PPA I 1 APCS	1 PPA II filled 1 APCS advertised 1 PPA 1 to be announced
Tulare County (Visalia)	9	2 PPA I 1 Env. Scientist	PPA's and ES positions filled
Tulare County (Visalia Regulatory)	1	--	--
Ventura County (Camarillo)	9	2 PPA II 1 PPA I 1 Sr. ES supervisor	PPA's were readvertised Sr. ES supervisor advertised, closes May 2



**Northern District Update
Operations Subcommittee Meeting
May 4, 2022**

Northern District Update | Trapping and Biocontrol



Detection Traps

Winter trapping ends in April in 20 counties.
Year-round trapping continues in 3 counties.

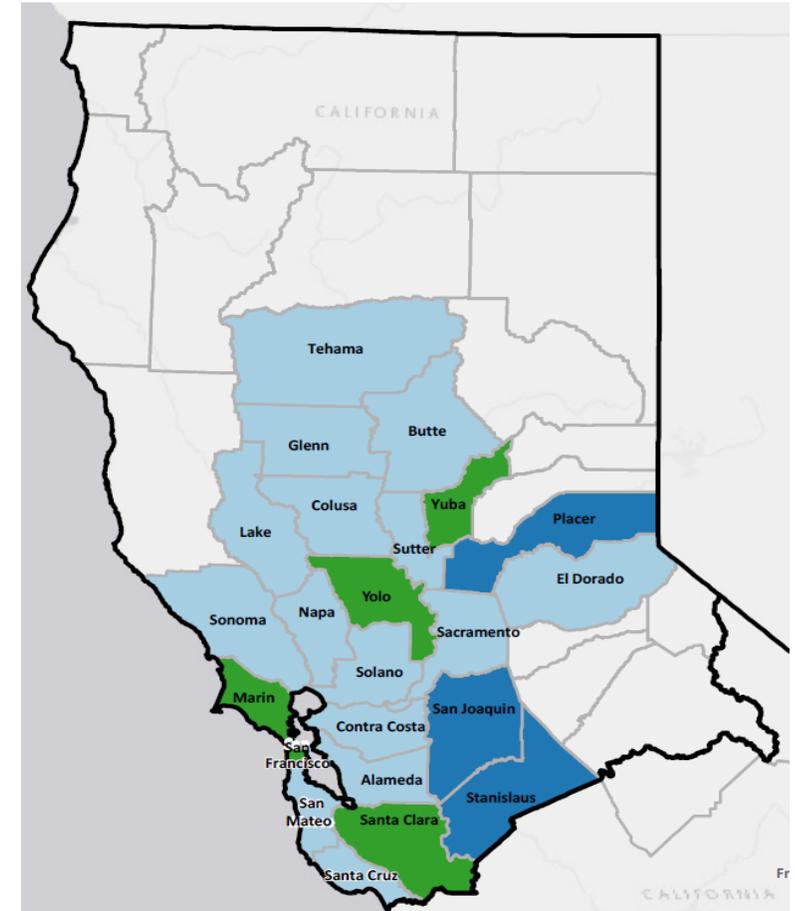
Delimitation Traps

Alameda County	126
Santa Clara County	591

Biocontrol

Number of <i>Tamarixia radiata</i>	134,700
Number of Properties	326

Data current as of 4/6/22.



ACP Trapping

- CDFA
- County (Winter)
- County (Year-round)

- CPDPD Administrative District

Northern District Update | San Jose, Santa Clara County

- ✓ Multiple ACP detected in new area on April 14th
- ✓ Find sites and adjacent properties immediately surveyed
- ✓ Delimitation traps deployed and serviced, resulting in additional finds
- ✓ Treatment activities occurred on April 26th
- ✓ Public meeting will be held on May 5th
- ✓ Subsequent treatment will occur beginning May 10th (400-meter area)

Northern District Update | Risk Survey 2021 Cycle 2

Completed	In Progress
Butte	Alameda
Glenn	Contra Costa
Humboldt	Marin
Mendocino	Placer
San Francisco	Sacramento
Stanislaus	San Joaquin
Tehama	San Mateo
Placer	Santa Clara
Sacramento	Santa Cruz
	Sonoma
	Yolo



Northern District Update | Staffing



Activity	Number of Staff
Risk Survey	5
ACP Detection and Delimitation	5
ACP Treatment	4
Biocontrol	1
Regulatory	2



CPDPC OPERATIONS SUBCOMMITTEE MEETING UPDATES-GROWER LIAISONS

IMPERIAL COUNTY:

The Canine Detection Team has been a great asset to Imperial County citrus this spring. Over the last few weeks, they have surveyed or helped to survey half of the growing zones in Imperial with live ACP finds in every growing zone surveyed so far. The canine team has even found dead ACP adults and non-viable eggs. Active finds have predominantly been a few adults and lots of eggs but very few nymphs. Detections of live ACP have occurred in orchards that were treated within the week with Delegate or abamectin for thrip. We had high levels of springtime ACP in 2016 but not since.

Citrus Commodity Survey will be active in Imperial County the first week of May. I am working with the Ag Commissioner's office to fill any communication gaps with growers on spray re-entry or any other issue that could hamper access for the survey.

VENTURA COUNTY:

The 2022/2023 ACP area-wide treatment schedule has been distributed. The new schedule remains routine and similar to the previous years' schedule prepared by the Ventura Co. ACP Task Force (*and*) in collaboration with UC scientists. As with previous schedules, the treatments begin on the east side of county and work their way west with adjacent PMAs treating within a 2-3 week window that overlaps the next treatment window by 1 week.

The next ACP Task Force meeting is scheduled for May 31 and will be facilitated by the new Farm Bureau CEO. Additional task force members have been added as previous members have retired.

Sandra and Cressida continue to update the citrus layer as new ownership is discovered or when citrus has been removed/newly planted.

SAN DIEGO COUNTY

Sandra is coordinating grower meetings and a Field Day to encourage grower participation and in preparation for the updating ACP area-wide treatments. The Valley Center meeting is scheduled for April 27th, the Fallbrook meeting is scheduled for April 30th, and the Field Day is scheduled for May.

The San Diego pest control district (PCD) has scheduled the next ACP area-wide treatments for May 16 to May 30. All citrus growers, including those not in the PCD, are encouraged to treat during this timeframe.

The San Diego Co. citrus layer continues to be updated by Sandra.

SAN BERNARDINO COUNTY

Due to the continued HLB positive residential finds in Ontario, additional effort has been made to bring ACP and HLB outreach and awareness in the county. The ACP Task Force meetings have resumed and along with the Ag Commissioner's office have identified new booth event opportunities and requested large banners for major highway areas.

ACP treatment reminders were distributed to growers for the Spring treatments beginning Apr 15.

A Field Day is expected in May. This will be hosted by both the San Bernardino and Riverside GLs, Sandra and Tom.

KERN COUNTY

There have been no ACP detections to date in Kern County for 2022. The last detection was in early December 2021. The total number of detections last year was **18** compared to 113 detections in 2020 - a significant reduction in detections from the previous year.

Judy reminds the industry that history shows ACP trap detections to be very low in the spring but if conditions are right, the low level or undetected ACP can develop into a high population by the fall. So, she continues to urge growers and PCA's to stay vigilant, consider adding an ACP-effective material in their spring foliar treatments, and highlight the importance their participation in keeping ACP numbers low.

FRESNO, MADERA TULARE COUNTIES

There have been no new finds of ACP, either on traps or live catches. Teri continues to communicate with growers and PCAs in Fresno, Madera, and Northern Tulare Counties announcements of meetings and new, relevant information regarding citrus through her updates.



Grower Liaison Updates
CPDPC Full Committee Meeting
April 13, 2022



**CITRUS PEST & DISEASE
PREVENTION DIVISION**
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE



Central District: Grower Liaison Updates

Fresno, Madera, Northern Tulare: Teri Blaser

- No new ACP finds.
- Updating/Reaching out to PMA team leaders.

Southern Tulare: Jessica Leslie

- No new ACP finds.
- The last residential trap find was in the city of Tulare.
- There have been no new trap finds in the area and all treatments have been completed.
- Updating/Reaching out to PMA team leaders.





Central District: Grower Liaison Updates Continued

Kern County: Judy Zaninovich

- There have been no new ACP detections to date in Kern County for 2022.
- Judy continues to urge growers and PCA's to stay vigilant, consider adding an ACP-effective material in their spring foliar treatments, and highlight the importance of their participation in keeping ACP numbers low.

Santa Barbara County: Cressida Silvers

- Cressida is updating 2022 permit data from the County.
- Winter treatment percentages are still being determined.
- Fall treatment percentages are completed.
- The next Area Wide treatment window is September 2022.

Central District: Grower Liaison Updates Continued



Ventura County: Cressida Silvers and Sandra Zwaal

- Both GLs are scheduled to meet the new Farm Bureau CEO and new ACP Task Force leadership to assist with the transition.
- The Ventura County winter ACP area-wide treatments have concluded.
- The GLs are in the process of following up and collecting Pesticide Use Reports through mid-April before the uncoordinated ACP treatment period begins.
- Sandra and Cressida continue to update the citrus layer.

San Luis Obispo County: Cressida Silvers

- There have been no new ACP detections in the county.
- Grower treatment for the most recent detection was completed on Jan 13.



Southern District: Grower Liaison Updates

San Bernardino County: Sandra Zwaal

- HLB positive residential finds continue in Ontario.
- Growers in the Redlands are encouraged to be diligent with their ACP area-wide treatments.
- The new 2022 ACP area-wide treatment schedule has been finalized and distributed to growers in the monthly GL update eblast.
- A grower meeting with seven presentations from the local citrus community was held in early March to encourage grower participation and engagement.
- The ACP Task Force is scheduled to resume in April to continue grower discussions.
- The San Bernardino Master Gardeners presented in Ontario.
- Both the San Bernardino and Riverside GLs, Sandra and Tom, are collaborating and coordinating a Field Day for growers. This event is expected to occur in May.



Southern District: Grower Liaison Updates Continued

San Diego County: Sandra Zwaal

- Sandra is coordinating a Grower Meeting in Valley Center and Fallbrook to take place in April, a Field Day event for May, and will also be presenting an ACP/HLB presentation to the San Diego Farm Bureau members in May.
- The San Diego County citrus layer continues to be updated by Sandra.

Imperial County: Curtis Pate

- ACP detection dogs, traps and CDFA scouting crews have not detected any activity in Imperial this past month.
- Non-coordinated treatment for non-ACP pests has been ongoing.
- Growers have been encouraged to spray perimeters and use materials that are also effective against ACP.
- The Canine Detection Team continues make sure that populations of ACP do not go undetected.



Data Department Update

Rick Dunn

CRB Director of Data and Information Management

5/4/2022

Data Management Department Activity,

May 5, 2022

Richard Dunn - Data, Information & Management Director

UCKAC GIS Facility

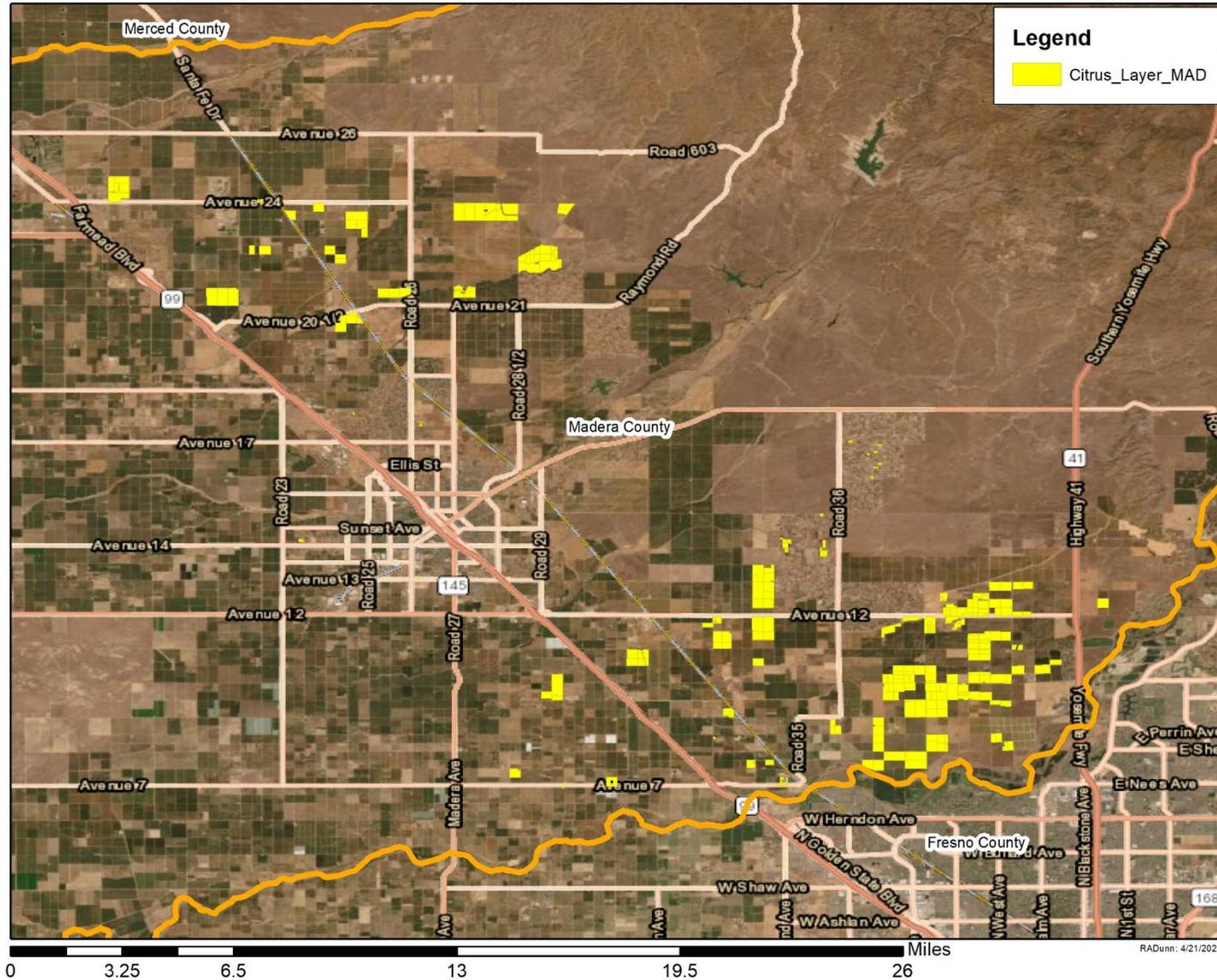
- Robert Johnson continues to assist with Statewide Citrus Layer maintenance and keeping the UCANR interactive web map updated with ACP, Biocontrol, CLas+ACP, and HLB detection data. <http://ucanr.edu/acpmap>

CRB Data Department

- Director is supporting Psyllid Management Area group activities and regional ACP / HLB Task Force groups in various counties with mapping support services. Revising the Statewide Commercial Citrus Layer as information is received. Madera, Kings, Monterey, and San Luis Obispo counties have been completed. Santa Barbara and Placer counties are in progress. Permit Data has been requested for additional counties. Configuration of Enterprise GIS is pending upgrade of CRB network infrastructure.
- GIS Analyst Nancy Ying is conducting routine data scrubbing, quality control, and map production tasks.
- Search for new DATOC Program Manager continues. Former DATOC Analyst Dr. Sandra Olkowski is helping out in the interim.
- Staff continue to support the CPDPP commercial grove trapping / sampling program. Supplying trappers with individualized GIS Trapsite and Samplesite layers updated weekly for use on their NOMADs. We produce and distribute ACP / HLB detection overview maps, PDR 800M maps, Biocontrol Workgroup activity maps, CPDPP Trapping progress maps, CPDPP Sampling progress maps, Trapping catch per day maps, Sampling close-up maps, and ArcGIS Online detection / collection heat maps, as well as monthly summary data, ACP situation data, and statistical reports.



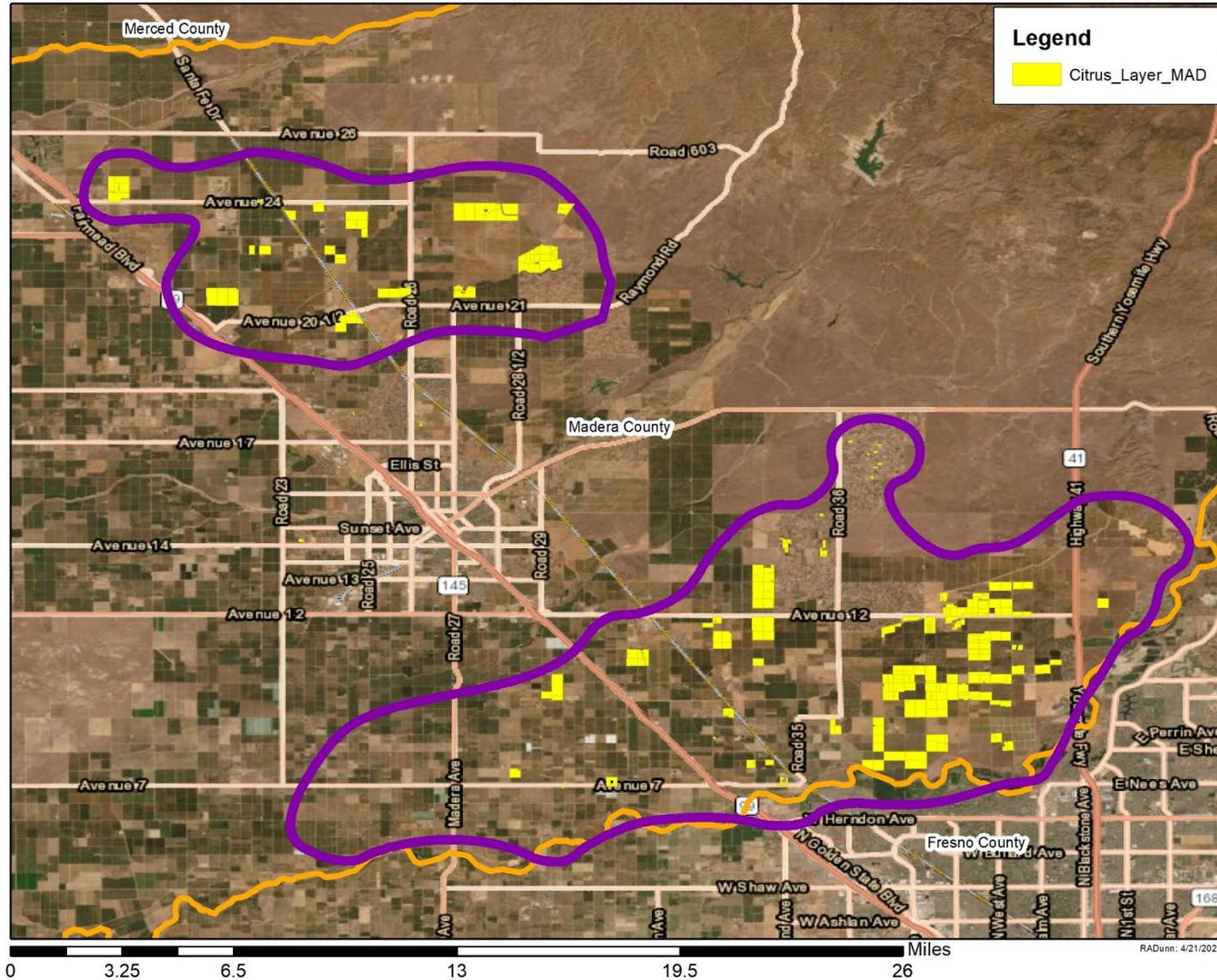
Madera County Citrus Layer



- 275 blocks mapped
- 6,599 acres total (based on GIS)
- 37 Pesticide Use Permits



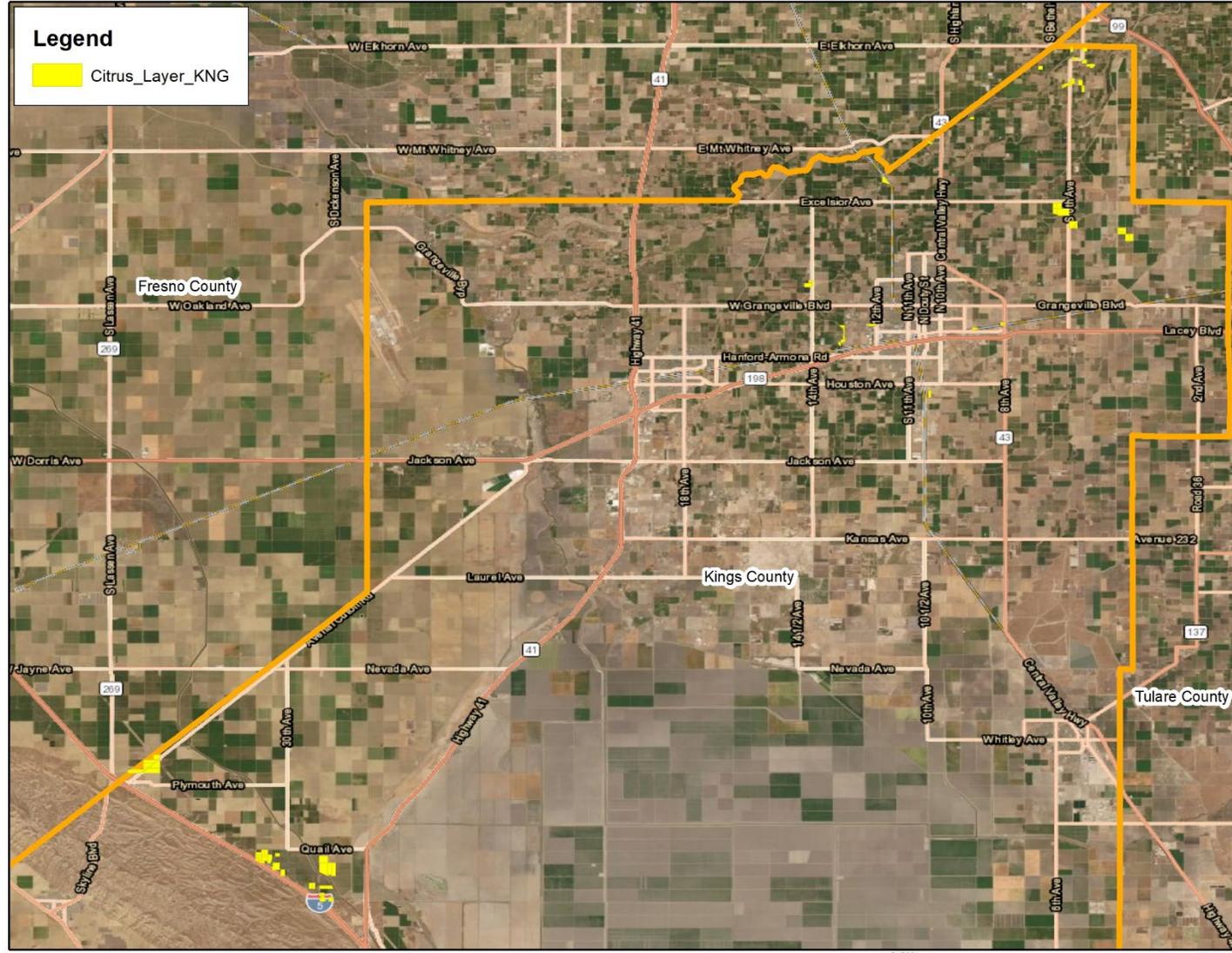
Madera County Psyllid Management Areas



- 2 Psyllid Management Areas (PMAs)



Kings County Citrus Layer



- 77 blocks mapped
- 1,056 acres total (based on GIS)
- 23 Pesticide Use Permits

0 4.25 8.5 17 25.5 34 Miles

RADate: 4/27/2022



CITRUS PEST & DISEASE
PREVENTION DIVISION
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE

Monterey County Citrus Layer



- 113 blocks mapped
- 2,218 acres total (based on GIS)
- 17 Pesticide Use Permits



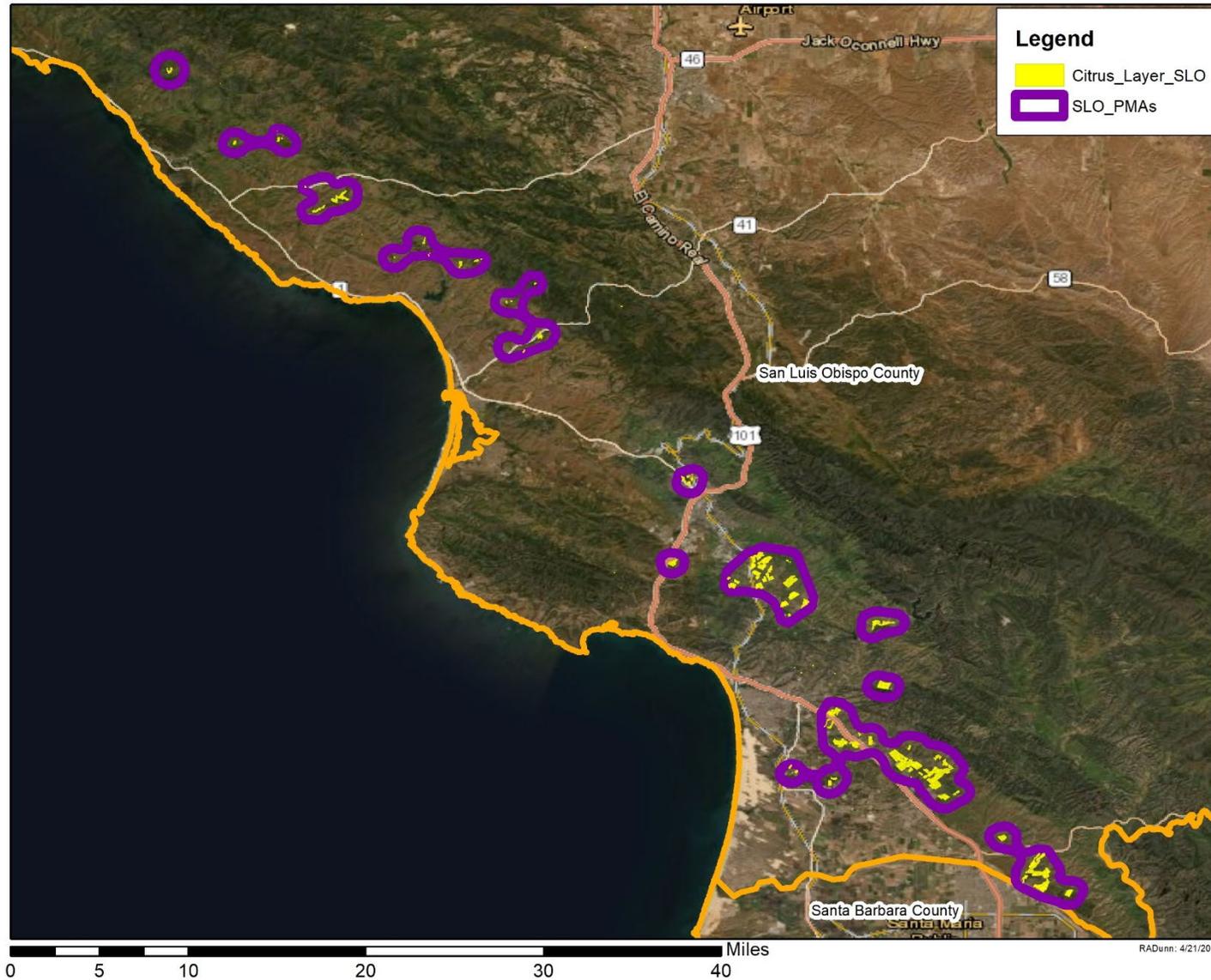
CITRUS PEST & DISEASE
PREVENTION DIVISION
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE

San Luis Obispo County Citrus Layer



- 381 blocks mapped
- 2,734 acres total (based on GIS)
- 49 Pesticide Use Permits

San Luis Obispo County Psyllid Management Areas



- 12 Psyllid Management Areas (PMAs)



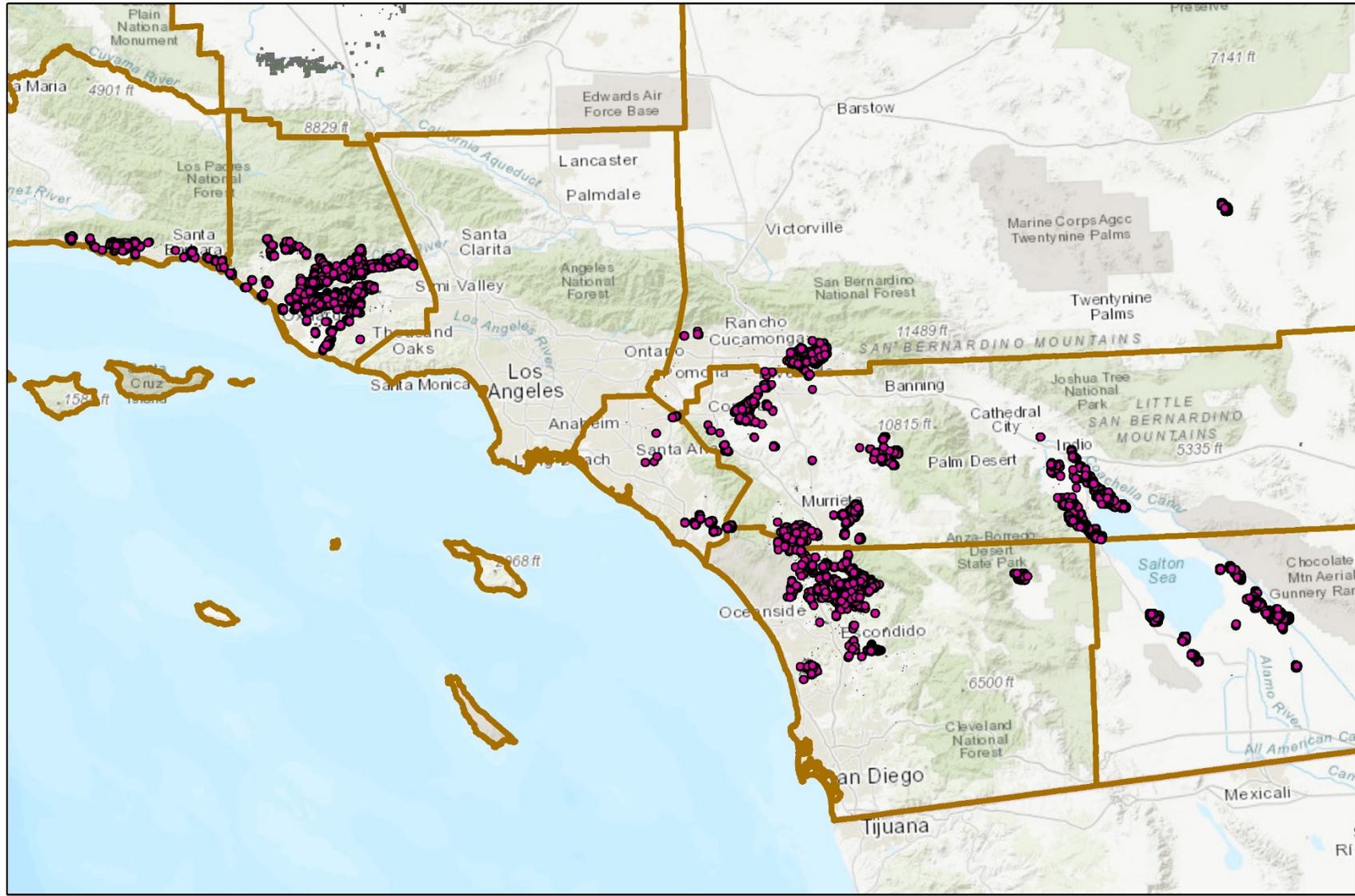
CITRUS PEST & DISEASE
PREVENTION DIVISION
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE

CPDPC Grove Sampling

Sentinel Samplesites, Mapped: 3/30/2022

Legend

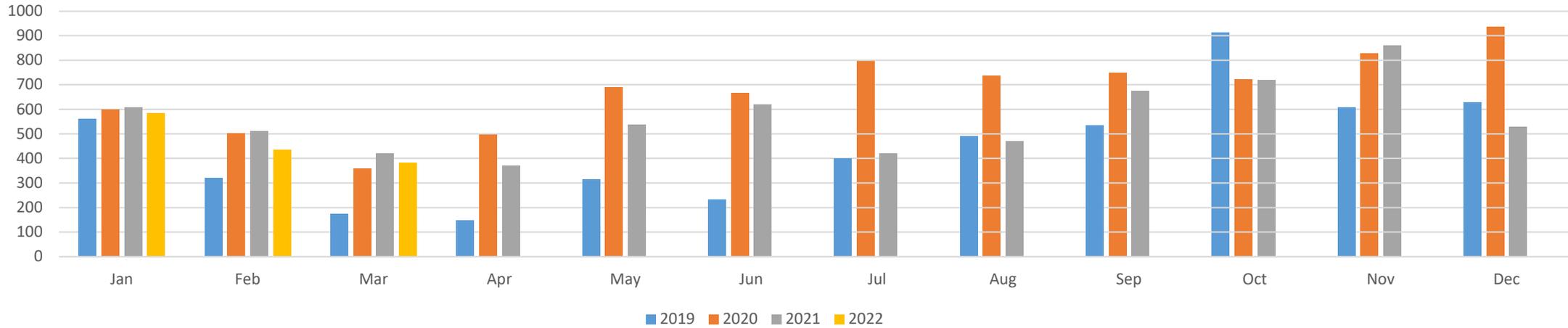
- CPDPP_Samplesites_220324
- Citrus_Layer



- 9,262 Sentinel tree Samplesites active as of 4/28/2022

CPDPD Commercial Grove Sampling Program April 2022 update

Suspect ACP Collection Events



Suspect ACP Collected for Testing

