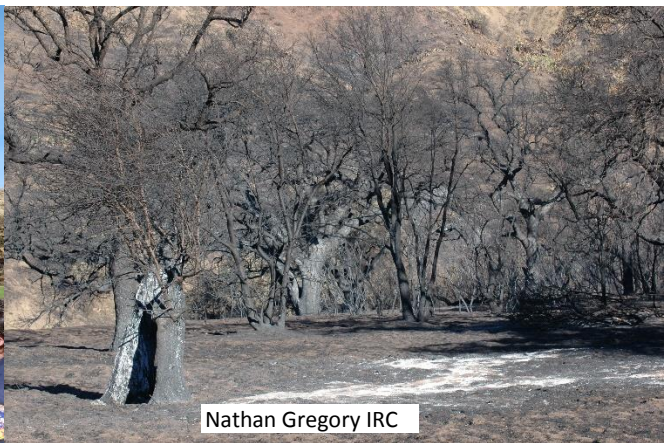
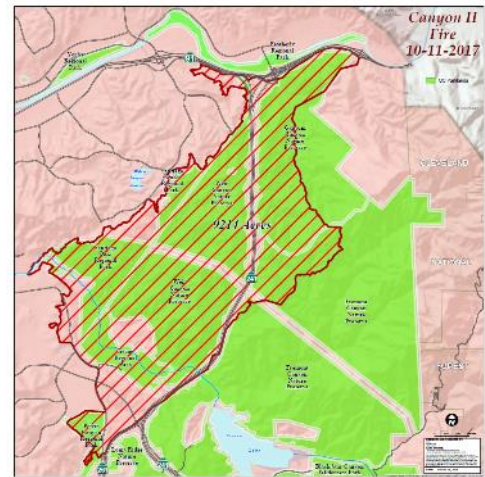


# Goldspotted Oak Borer Quarterly Situation Report January 1 to March 31, 2018

## Orange County Report

On February 1<sup>st</sup>, a group toured the Weir Canyon GSOB infestation that had been burned over by the October Freeway #2 Fire. The purpose of the trip was to evaluate the effects of the fire on a GSOB infestation to see what, if any, potential role fire might play regarding GSOB management.

Participants: Stacy Hishinuma and Andrea Hefty of USFS-FHP; Nathan Gregory of IRC, Cathy Nowak of OC Parks; Beatriz Nobua Behrmann and John Kabashima of UCCE; Casey Gnadt of City of Irvine; Kim Corella, Tom Smith and Kevin Turner of CAL FIRE.



Nathan Gregory IRC

The fire burned with great intensity in some areas, but not as hot in other areas. The understory grass crop from the prior year's very good rainfall had much to do with the fire's intensity. The loss of tree canopy can also increase grass crops. Evaluation measures are in discussion.

County Parks and IRC are working on restoring oaks within the burn area by planting acorns protected by tree tube shelters.



**Tele-Town Hall addresses GSOB and ISHB:** A telephone town hall hosted by U.S. Representative Mimi Walters of CA45 occurred Monday evening (February 25th) and included discussions on the status of GSOB and ISHB in Orange County and the threats those pests pose to the rest of the state. The danger of moving infested firewood and the "Buy It Where You Burn It" theme were also emphasized. This kind of event seems a good opportunity to educate both the public and legislators on invasive pest issues.

Congressional District CA45 includes the existing Weir Canyon GSOB infestation and multiple ISHB infestations. OC's Canyon Communities are also within this district and are just starting to

be impacted by ISHB infestation and are at imminent risk to GSOB with infestations w/n 10 miles to both their northwest and southeast.

The panel of experts included members of the Emerging Tree Pests of Orange County (EPTOC) group: Brian Norton and Nick Pivaroff of OCFA; Jake Rodriguez of Cleveland NF, and Gregg Bratcher of Cal Fire. Although Fire and Emergency Preparedness comprised the bulk of the discussions last night, GSOB/PSHB and the firewood were well covered by the panelists.

**The Fire Safe Council of Eastern Orange County Canyons hosted a community meeting** on March 15, from 7 to 830PM at the Library of the Canyons Gateway facility on Santiago Canyon Rd. Approximately 100 OC canyon residents attended to hear GSOB and ISHB presentations by Dr. Beatriz Nobua Behrmann, Dr. John Kabashima, and Kevin Turner. They listened intently to the presentation and asked lots of questions. Both GSOB and ISHB are at their doorstep, threatening the oaks and sycamores that define OC canyon living.



**The Emerging Tree Pests of Orange County (ETPOC)** group met in February to share updates and pursue strategies for responding to GSOB and ISHB in OC. They meet every two months.

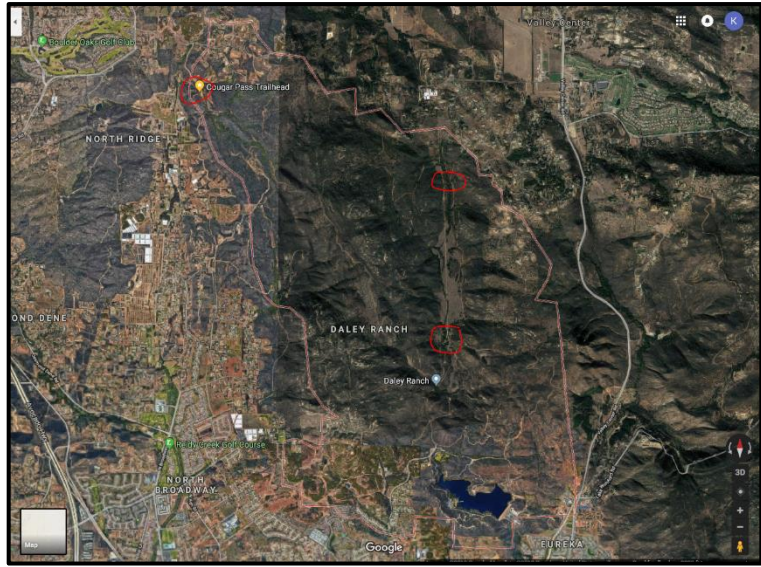
### San Diego County Update

**Dos Picos Regional Park  
GSOB Situation Quarterly Report  
GSOB Trees Removed Jan 1<sup>st</sup> –Mar 31, 2018**

Tree Location	Removed	Total # (since 2012)
Campground	1	137
Area 1	0	2
Area 2	0	30
Area 3	1	49
Service Road	2/dam 3	18
Totals	7	236

## “New” (or expanded) GSOB Infestation in San Diego County

At the very end of this quarter, Dan Young, Parks and Open Space Superintendent for the City of Escondido, requested assistance in confirming the presence of GSOB at Daley Ranch, a ~2,000 acre, natural open-space park on the NE side of the city. Tracy Ellis of the SD County Ag. Commissioners office joined with Cal Fire’s new entomologist Curtis Ewing, Kevin Turner of Cal Fire, Aguilar Plant Care (contracts with Escondido) arborists and City Park’s staff to tour the park to confirm the presences of GSOB. Unfortunately, GSOB was confirmed at several locations.



GSOB had previously been observed in oaks near the northwest corner of the park in 2015 by Tom Scott and Kevin Turner who were evaluating the then “new” Hidden Meadows GSOB infestation immediately to the west of Daley Ranch. The City is tentatively planning an inventory of all oaks to survey GSOB distribution and infestation level to develop a management plan. A related concern is that Daley Ranch also has large areas of willows and other riparian species (sycamore, alder) which are at high risk from ISHB.

### USFS FHP GSOB activities during the quarter – (Andrea Hefty, Stacy Hishinuma, Adrian Poloni)

#### Tree surveys:

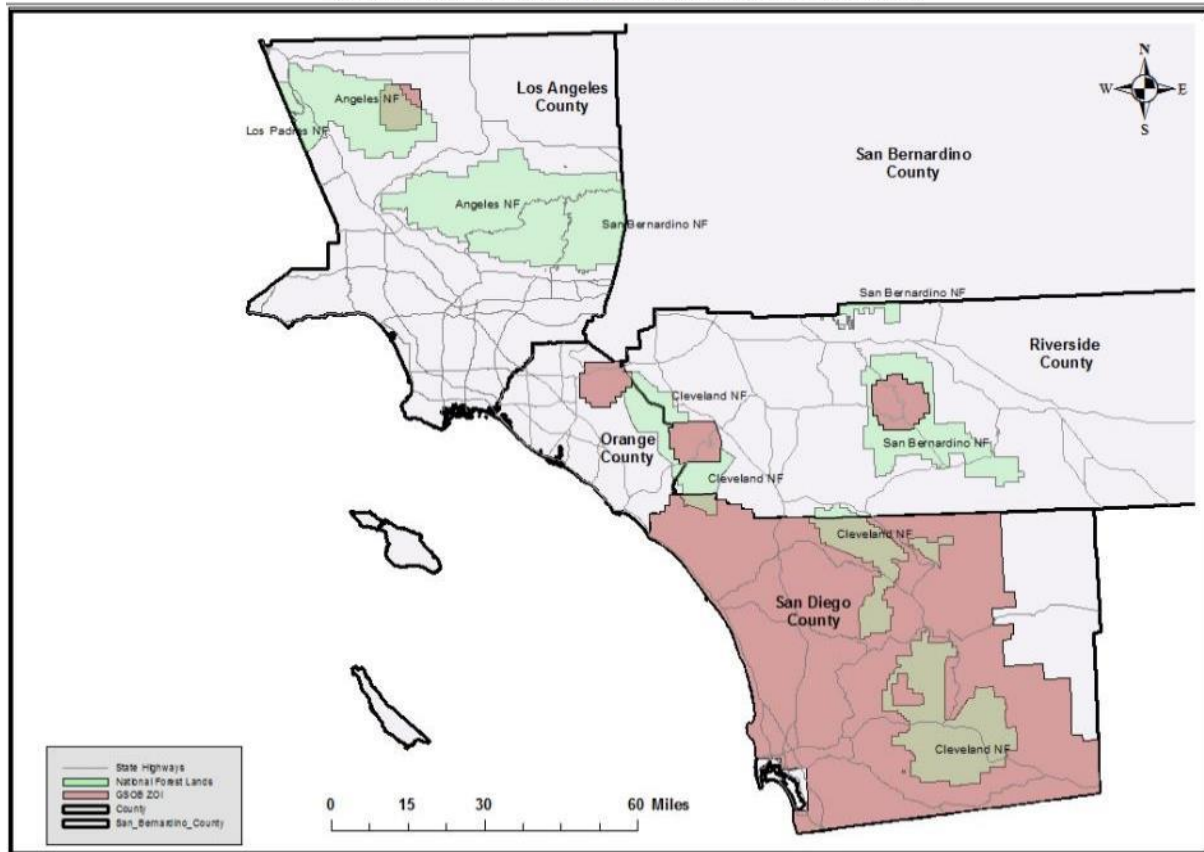
Volcan Mtn Foundation (San Diego Co.): Surveyed & assessed oaks for GSOB-injury with Colleen Bradley  
Trabuco RD, CNF: Surveyed and assessed ~400 trees at Falcon and Bluejay Campgrounds  
Oak Grove and Pine Hills, CNF: Surveyed and assessed ~500 trees for GSOB-injury  
Green Valley, ANF: Surveyed and assessed ~500 trees for GSOB-injury

#### Talks/Field trainings provided:

Jan 17: Volcan Mtn Foundation staff and 1 volunteer  
Jan 25: UC-Extension Irvine crew (John’s crew) trained on Trabuco RD for GSOB ID and management  
Jan 31: GSOB biology and management for CNPS pre-meeting session in LA  
Feb 16: Trained CNF staff (Trabuco and Palomar RDs) on GSOB/ISHB biology, field ID, and management

## Proposed Updated Maps to be added to the GSOB.org Website - Kim Corella CAL Fire

GSOB Zone of Infestations (ZOI) Showing the GSOB Distribution in San Diego, Riverside, Orange and LA Counties



The interagency GSOB mapping group of the Outreach and Education Committee is working on updating GSOB distribution maps and is also developing an interactive map that will display a list of management options and BMPs depending upon the level of GSOB infestation, spanning from prevention to restoration. The prototype will be reviewed thoroughly before going public on GSOB.org.

**Riverside County** Nothing to report this quarter

### LA County

**March Green Valley Town Council meeting** - Robin Farr, GV correspondent

Angeles National Forest (ANF) and the Green Valley GSOB Infestation: Vilius Zukauskas, ANF Forester, was at the meeting to talk and answer questions about spraying for GSOB (goldspotted oak borer) near the GVCH. The current proposal is to remove eight more oak trees and to spray about 200 trees with Carbaryl. The spraying will happen in late April to early May, depending on weather (temperatures and rain). *(editor's note: The Green Valley Charitable Hall is immediately adjacent to National Forest land and across the street from the USFS Spunky Campground. Tree removals have also occurred on private lands)*

**UCCE San Diego Invasive Pest Program  
GSOB Education and Outreach Activity  
January 1, 2018 – March 31, 2018**

**Balboa Park San Diego Fungus Fair** – Coordinated booth space and outreach materials at the 2018 Fungus Fair, 2/18/2018, hosted by San Diego County Mushroom Club at Balboa Park in San Diego. The booth focused on invasive tree pests. More specifically, the booth focused on KSHB/FD impacts, symptoms, and management strategies.

**Master Gardeners' Spring Summit** – Coordinated and staffed booth at the 2018 Master Gardeners' Spring Summit, 3/17/18. Utilized invasive tree pests tabletop display and handouts. The booth focused on 3 pests of concern: Gold Spotted Oak Borer, Invasive Shot Hole Borers, and South American Palm Weevil.

**2018 GSOB/ISHB Workshop Series** – Developed a 3-part series consisting of 2 webinars (1 focused on ISHB and 1 targeted at GSOB education), using the Zoom conferencing system, and a field training. Offered 4 separate field training location options (1 in San Diego County, 1 in Orange County, and 2 in Los Angeles County). The first webinar took place 3/27/18. The second webinar and field trainings are scheduled for April and May of 2018. ~200 registrants and ~120 participants in the first webinar

**GSOB.org** – Obtained updated zone of infestation maps for GSOB.org, curtesy of Kim Corella at Cal Fire. Hosted a GSOB mapping meeting, 1/30/18.

**Community Outreach** – Sent *Buy It Where You Burn It* posters and letters to ~14 county parks and major campgrounds in San Diego County announcing UCCE's availability to provide a brief presentation on invasive tree pests threatening their communities, specifically Invasive Shot Hole Borer/FD, Goldspotted Oak Borer, and South American Palm Weevil. We will continue outreach and work to schedule and deliver presentations throughout 2018.

**Coordinating Working Groups** - Continue to actively participate in collaborative joint agency/cross-sector work groups:

- Emerging Tree Pests Education and Outreach
- GSOB Issues- Riverside County
- Orange County Invasive Tree Pests
- San Diego Emerging Tree Pests Steering Committee
- Southern California Forest Pest Committee

**Invasive Tree Pests Tabletop Display**

- 2/18/18, Balboa Park Fungus Fair
- 3/17/18, Master Gardeners' Spring Summit

**ISHB/FD Handouts Distribution**

- Forest Insect and Disease Leaflets: 30
- Firewood Rack Cards: 25
- GSOB BMP: 50
- GSOB ID Cards (thin): 50
- GSOB ID Cards (thick): 10

**Collaborative Tools Calendar for January – March 2018 GSOB-related events**

3/27/2018	Spring 2018 GSOB/ISHB Training Series	Multiple Locations	Abigail Barraza	
3/17/2018	Master Gardeners Spring Seminar	San Diego County Operations Center	Abigail Barraza	
3/15/2018	Eastern Orange County Canyons ISHB/GSOB Community Meeting	7531 E Santiago Canyon Rd, Silverado, CA	Abigail Barraza	
3/15/2018	GSOB and ISHB Presentation	Sedgwick Reserve	Kim Corella	
2/22/2018	Oak and Tree Talk	Laguna Park and Natural Reserve	Kim Corella	
2/18/2018	Fungus Fair Balboa Park	Balboa Park	Tracy Ellis	
2/14/2018	CAPCA Ed & Ventura Chapter	Santa Paula, CA 93060	Anabele Cornejo	

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