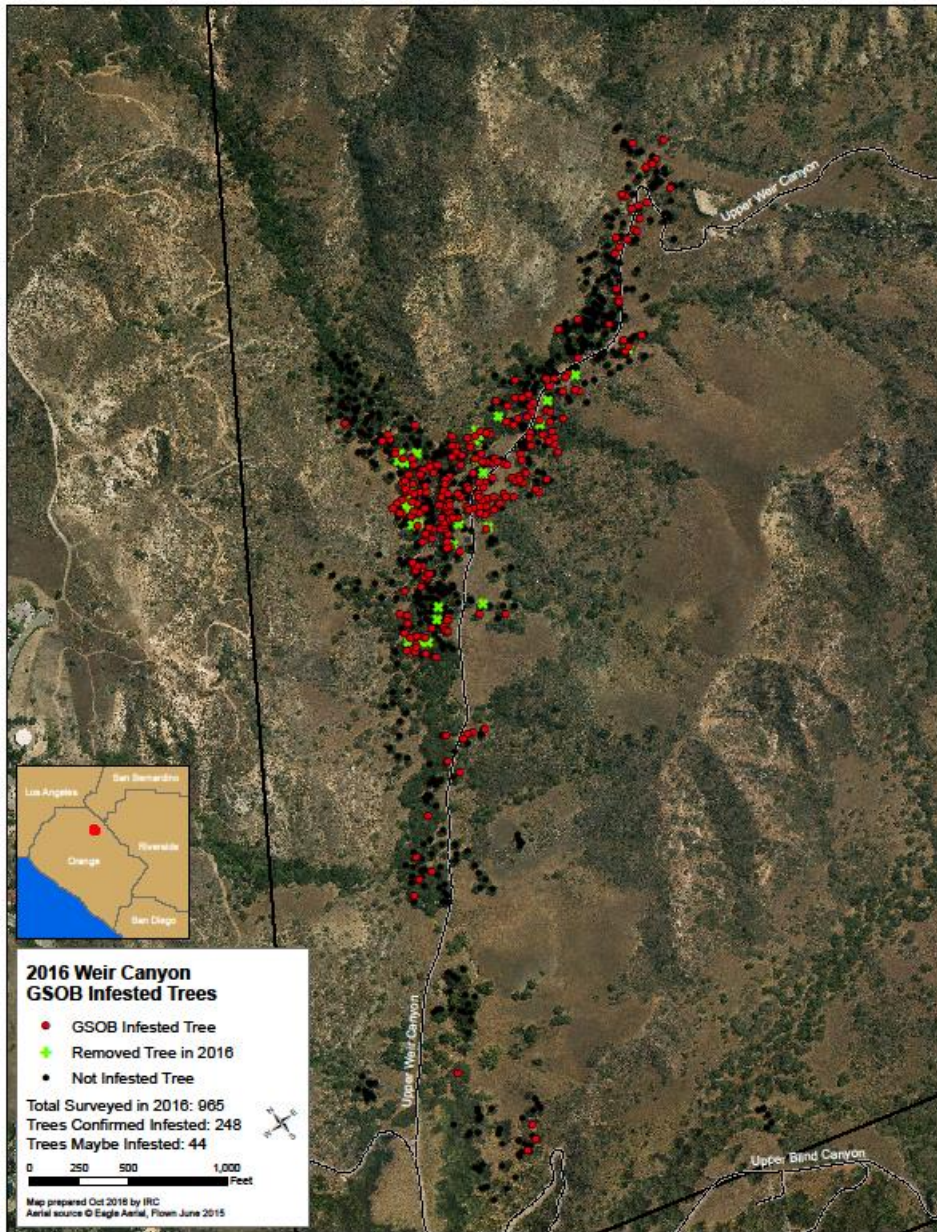


# Goldspotted Oak Borer and Oak Mortality

## Quarterly Situation Report

### July 1 through September 30, 2016



#### Orange County GSOB Infestation Jutta Burger - IRC

Weir Canyon continues as the only known GSOB infestation in OC.

Total Trees Surveyed in Weir In 2016: 965

Trees Confirmed Infested: 248 (all were either treated or removed)

Trees \*Possibly Infested: 44 (all were treated)

\*trees exhibiting signs of decline consistent with GSOB attack but no exit holes observed yet. (possibly in the first year of attack for those trees).

## Los Angeles County Report (Green Valley private lands)

Forester William Romo – LA County Fire Department

Here is where LA County Fire Department stands with the GSOB infestation in Green Valley (the only known infestation in LA):

- Drafting a Grant Application to respond to tree mortality
- Put out 24 purple "sticky traps" to monitor starting in Green Valley following Bouquet Canyon south. None of these cards have caught any GSOB yet.
- 1195 trees have been inspected for GSOB
- 233 of those trees were found to be infested with GSOB
- 7 trees showing signs of GSOB other than Exit D-holes (monitoring them for now)
- 75 infested trees have less than 10 D exit holes (a threshold we use in our criteria for treating/removing)
- 37 infested trees on removal list
- 37 additional trees to get permission to remove/treat
- 15 infested trees that exceed our abilities to treat
- 62 have been removed so far.

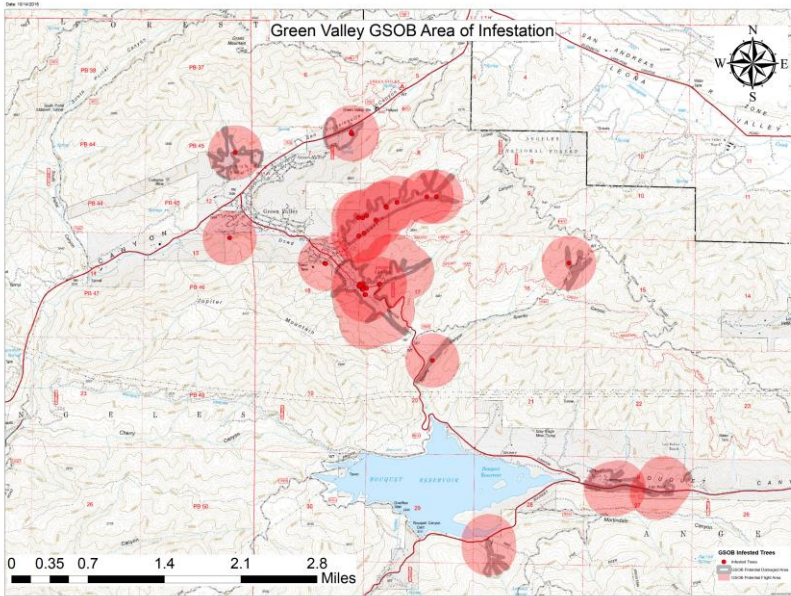
## Angeles National Forest (Green Valley on Angeles National Forest)

Vilius Zukauskas, Forester/Assistant Resource Officer

The Angeles is identifying GSOB-infested oaks on USFS lands in the Green Valley area. The picture on the left is USFS land at the Green Valley Community Center and to the right is Spunky Campground, both of which are losing trees to GSOB.



We are going to increase our monitoring efforts. We risk losing up to 15-30 trees/acre of coast live oak from these areas, depending on the area and density. DBH averages about 15-20 inches.



This Angeles NF map product shows known infested trees (red dots), areas of oak decline exhibiting GSOB-like signs (but not confirmed as GSOB - no visible D-shaped exit holes yet), and finally, projected areas of GSOB spread.

**Riverside County Report (GSOB on private lands, SCE and county/state road rights of way)**

**Cal Fire – Unit Forester Gregg Bratcher and Forester I Zsolt Katay (private land, road rights of way)**



*These are not fall colors in the oaks...*

<i>inspections</i>	<i>DATE</i>	<i>LOCATION ADDRESS</i>	<i>Positive GSOB+ trees</i>	<i>Diameters in inches</i>	<i>Inspection Comments</i>	<i>Not GSOB</i>	<i>GSOB trees identified and removed by SCE</i>	<i>Trees Removed</i>
1	07/01/16	Pine Cove			2 black oaks inspected	2		NO
2	07/05/16	Idyllwild	2	24,18	1st dead, 2nd 3 holes			NO
3	07/06/16	Hemet			inspected several trees	30+		NO
4	07/27/16	No address available			1 black oak inspected	1		NO
5	08/09/16	Idyllwild	1	22	dead, brown leaves			NO
6	08/09/16	Idyllwild	2	20,22	1st fully infested, 2nd dead			NO
7	8/10/2016	Idyllwild	1	34	dead, brown leaves			NO
8	8/16/2016	No address available	1	34	dead, brown leaves			NO
9	8/16/2016	No address available	1	35	dying infested black oak in			YES (RIVCO TLMA)
10	8/16/2016	Pine Cove	1	33	dead, brown leaves			NO
11	8/23/2016	No address available	1	64	dying infested black oak in			YES (RIVCO TLMA)
12	8/23/2016	Idyllwild	1	26	infested, dying			NO
13	8/23/2016	Idyllwild	1	62	old, infested, dying, poor health			NO
14	09/08/16	Idyllwild	1	24	dead, brown leaves			NO
15	9/8/2016	Idyllwild	1	12	dead, no leaves			NO
16	9/9/2016	Idyllwild	2	18,20	dead, no leaves			NO
17	9/9/2016	Pine Cove	1	34	dead, brown leaves			NO
18	09/16/16	Idyllwild	3	20,20,26	dead, brown leaves			NO
19	9/23/2016	Idyllwild	1	32	dead, no leaves			NO
20	9/23/2016	Idyllwild	1	36	dead, no leaves			NO
21	9/27/2016	Idyllwild	1	32	poor health, 3 exit holes			NO
22	9/27/2016	Idyllwild	1	40	dead, brown leaves			NO
23	09/29/16	Idyllwild	1	24	dead, some leaves on			NO
23	TOTAL		25			33+	2	2
		23 inspections						
		25 GSOB infested trees discovered						
		4 infested trees removed						
		33+ inspected trees without GSOB						



More infested California black oaks discovered in Idyllwild and Pine Cove July through September 2016

## San Diego County Report

In late September, the two new USFS Forest Health Protection entomologists, Stacy Hishinuma and Andrea Hefty, joined Tom Scott (UCCE) and Kevin Turner (volunteer) on a field trip to the Palomar Ranger District to meet with District Ranger Chris Dowling and his staff at the Pine Hills Fire Station to look at suspect trees. In route, we stopped to look at GSOB infested trees in Oak Grove and the East Grade of Mount Palomar. Unfortunately, the GSOB infestation on the East Grade is widespread and now reaches up to the Mount Palomar State Park boundary. The infestation in Oak Grove is not yet widespread.



*GSOB is now on slopes west & south of Lake Henshaw*

Unfortunately, a number of beautiful large coast live oaks at Pine Hills are infested with GSOB (see 3 photos). Some infested trees have already died and been removed. A side-trip to William Heise County Park showed the results of a successful tub grinding contract to treat GSOB-infested wood (lower right).



## **Goldspotted Oak Borer Program Activity Quarter 1 Report – FY 16/17 (July-September 2016)**

Jan Gonzales, UC Cooperative Extension-San Diego

- Organized and held the Invasive Tree Pests workshop, July 28, 2016 at the Al Bahr Shrine Center, San Diego. The day-long workshop offered state-of-science and case study lectures, panel discussions and educational displays. There were 89 in attendance representing tree care and landscape professionals, municipal through federal land management agencies, local tribes, Master Gardeners, NGOs and concerned citizens. Topics covered were Polyphagous-Kuroshio shot hole borer/fusarium dieback, South American palm weevil, Goldspotted oak borer, common tree pests and sample testing procedures, wood waste issues and pesticide applicator regulations. Speakers included Tim Paine and Tom Scott (UCR), John Kabashima (UCCE-OC), Jennifer Pelham (UCCE-SD), CoSD Parks and AWM, Camp Pendleton, Cal Fire-Urban Forestry, USFWS and CA State Parks.
  
- Coordinated and participated educational displays and activities about P-KSHB/FD, GSOB and Beekeeping at the annual Insect Festival, San Diego County Botanical Gardens, Encinitas, July 23-24. Children enjoyed receiving invasive insect tattoos and adults appreciated the tabletop display information. Volunteer assistance with staffing the tables were Master Gardener, interns with the San Diego City Parks and Cleveland National Forest.
  
- Participated in conference calls/meeting for the Emerging Tree Pests Education and Outreach Committee (7/6, 7/20, 8/3, 8/17, 9/14).
  
- Coordinated GSOB/PSHB tabletop display use with collaborators for outreach at the RCD Open House (Lakeside, 7/21/16), the Insect Festival (Encinitas, 7/23-24/16), the Invasive Tree Pest Workshop (San Diego, 7/28/16) and the Dept. of Homeland Security Preparedness event (San Diego, 9/27/16).
  
- Continued planning for a regional workshop addressing green waste and wood biomass management issues due to dead, dying and diseased trees.
  
- Responded to 5 phone calls, online survey reports and/or email public inquiries about GSOB.
  
- Distributed GSOB handout materials:
  - 1250 GSOB trifold brochures (1000-English; 250-Spanish)
  - 200 GSOB Forest Insect and Disease Leaflet (USFS IPM)
  - 900 GSOB ID cards (150-Professional; 750-General Public)
  - 1500 GSOB and Firewood Management pamphlets
  - 250 *Buy It Where You Burn It* firewood awareness postcards

**Please send any corrections or additions to this report to Kevin Turner or Jan Gonzales.**