

# CALIFORNIA INVASIVE SPECIES ADVISORY COMMITTEE (CISAC) MEETING

## Invasive Shot Hole Borer Sub-Committee

### Pathways – Including Green Waste and Firewood

#### Meeting Minutes

April 16th, 2019

9:00am – 11:00am

#### Meeting Action Items

- **Next Meeting:** Monday May 6<sup>th</sup> 9am to 11am

Working Groups	Charge	Participants
Green Waste	<ul style="list-style-type: none"><li>● <b>Develop Best Management Practices and Procedures for Green Waste Sites</b></li><li>● <b>Increase collaboration between Local Agricultural Commissions and Local Enforcement Agencies</b></li><li>● <b>Discuss potential pilot programs</b></li><li>● <b>Identify potential other utilizations of wood products</b></li></ul>	<p><b>Coordinator:</b> Keith Okasaki <b>Participants:</b> Bob Horowitz, Kathryn Cross, Sheri Smith, Ed Williams, Nick Condos, Larry Swan, Jennifer Van Dyke, Julie Clark De Blasio, Kevin Turner, Neil Edgar, Tom Smith, David Pegos <b>Add:</b> Rebecca Lustig, Gina Libby, Jeffrey Esquivel.</p>
Firewood	<ul style="list-style-type: none"><li>● <b>Identify potential resources and solutions</b></li></ul>	<p><b>Coordinator:</b> Kevin Turner <b>Participants:</b> Leigh Greenwood, Faith Campbell, Curtis Ewing, Sheri Smith, Helena Roberts and Andrea Hefty, Katie Harrell, Tom Smith, David Pegos</p>

#### Other Action Items:

- **Jennifer Vandyke** will reach out to Scotts and Miracle Grow.
- **Dr. Kabashima** will reach out to Kellogg Garden Products.
- **Curtis Ewing** on behalf of CA Firewood Taskforce sending out email form for people to fill out campgrounds.
- **Tom Smith** will reach out to Dr. Nobua-Behrmann to update her on mapping.
- **Tom Smith connect with Shannon Lynch** to coordinate with those doing the mapping as there may be overlap with her research.
- **Curtis Ewing, Tom Smith and David Pegos** will connect regarding funding for outreach materials.
- **Tabled to Green Waste Working Group Ed Williams** noted LEAs are getting inquiries about farm composters and digesters to coordinate working together.

- **Rebecca Lustig** offered to give information regarding green waste facilities in their area.
- **Gina Libby** will get back to working group regarding Ventura County's interest in being part of a pilot program.
- **Tom Smith** will reach out to Dr. Nobua-Behrmann to update her. Tom Smith reached out to Fire Mapping GIS (FRAP) and help us develop a map of known locations, areas of high risk, riparian areas, species of high risk, and areas of known composting sites. They would create and store the permanent database.

**Consensus Reached:**

- 98% kill rate was sufficient for chipping.

**Suggested Requests for Proposals:**

- Survey of current chipping and the kill rate of current chip grinding to find optimal level.
- There was a suggestion for a purchase of a tub grinder.
- LEA contract for some treatment of materials.
- Interested researchers to come up with ideas of what to do with bioproduct.
- Hire green waste facility to identify ISHB and compost.
- Dedicated populator of Firewood Scout.
- Work with Briton Fund or others who can get lower overhead with UC Cooperative Extension to see if more courses could be developed.

**Meeting Proceedings**

Sub-Committee Co-Chair Kevin Turner convened the meeting at 9:02 and welcomed everyone. The committee dispensed with the flag salute in accordance with the online meeting format. Kevin Turner reviewed the minutes from the first meeting and suggested changes that he received through email. The changes were accepted, and the minutes were approved.

**Background**

Mr. Turner Reviewed the subcommittee mission of looking at pathways focusing on Green Waste and on Wood (both firewood and other kinds of wood).

**Green Waste**

Keith Okasaki reported back from the working group that met April 15<sup>th</sup>. The working group developed 2 action items. Larry Swan and Shikari Nakagawa participated in the working group and were invaluable.

- Develop a scope of work with Local Enforcement Agencies (LEAs) in conjunction with UC ANR or CSU to work on a pilot program.
  - Ms. Nakagawa will provide information from the 2017 survey.
  - Suggestion that one pilot be inside the HLB quarantine area.
  - Working through LEAs because they have already existing relationships with local Green Waste facilities.
  - **Action Item: Rebecca Lustig** offered to give information regarding green waste facilities in their area.
  - **Action Item: Gina Libby** will get back to working group regarding Ventura County's interest in being part of a pilot program.
- Study evaluated solarization and chipping.
  - Grinding was highly effective in the case study. Less than 5 centimeters killed 98% of the beetles.

There was consensus that the 98% kill rate was sufficient.

- **Suggested Request for Proposal (RFP):** Survey of current chipping and the kill rate of current chip grinding to find optimal level.

- Dr. Kabashima suggested that Dr. Nobua-Behrmann would like to be involved in the application of this action item.
- Once we find out where materials are being chipped, we can see if we need to use BMPs to get it moved to low risk areas.
- **Suggested RFP** There was a suggestion for a purchase of a tub grinder.
  - There was discussion over timing as this should be done after grinding research.

Suggestion that we look at current existing equipment.

- **Suggested RFP:** LEA contract for some treatment of materials.
- **Suggested RFP:** Interested researchers to come up with ideas of what to do with bioproduct.
  - Cal Recycle is trying to incentive a composting facility that mixes green waste with cow manure.
  - Air Curtain Burner as a potential means of disposal
  - If we stay under the 100 cubic yards and 75 square feet would require only a notification instead of a permit.
  - Chino has two of the biggest wood processing sites near dairy.
- **Suggested RFP:** Hire Green Waste facilitator to identify issues related to ISHB/FD and composting facilities.
  - 3 known composters in Orange County that may be in areas susceptible to ISHB.
  - 6 known composters in Ventura county.
  - Could be a tool for rapid response.
  - Dr. Kabashima said that OC Waste and Recycling is very interested in doing a pilot project.
  - Dr. Kabashima asked if we had reached out to composters in Orange County composters regarding their ability to market the compost.
    - **Action Item: Jennifer Vandyke** will reach out to Scotts and Miracle Grow.
    - **Action Item: Dr. Kabashima** will reach out to Kelloggs.
  - Composters are not lacking for materials so key will be to get potentially infested materials to move to the front of the line.
  - Green waste may be a cleaner source of compost than some other sources.
  - Green waste that does not include Palm.
  - Gina Libby wanted to clarify whether we are focusing on already known contaminated material?
    - David Pegos clarified that we will be focusing on areas that are likely infested but not necessarily known contaminated.
    - Gina Libby brought up the concern of Green Waste facility fear of cross contamination.

**Tabled to Research Committee** Is fire-resistant coated chips and/or mulch more resistant to ISHB than non-coated?

Dr. Kabashima asked if the tumbling of the chips in the coating process may kill beetle.

Dr. Kabashima asked if the coloring of the chips also might kill ISHB.

**Firewood:** Firewood Working group met towards the end of last week.

- Update CA Firewood Task force Website
  - **Action Item:** CA Firewood Task Force is sending out email form for campground owners/operators to fill out.
- Encouraging all campgrounds to adopt firewood policies, providing them with boilerplate language. Developing rules regarding local sources of firewood.
  - PDFs of existing firewood posters for easier distribution.
  - Create a simple form that could populate Firewood Scout database.
  - May ask for help from the Outreach and Education sub-committee.
- **Suggested RFP:** Dedicated staff person to help populate and maintain Firewood scout.

**Tabled to Outreach Coordinator:** Can contract with a private entity regarding.

- Reach out to campgrounds that do not already have a policy.
  - **Action Item: Tom Smith** will reach out to Dr. Nobua-Behrmann to update her. Tom Smith reached out to Fire Mapping GIS (FRAP) and help us develop a map of known locations, areas of high risk, riparian areas, species of high risk, and areas of known composting sites. They would create and store the permanent database.
  - **Action Item: Tom Smith** will reach out to Sabrina Drill regarding mapping.
  - **Action Item: Tom Smith connect with Shannon Lynch** to coordinate with those doing the mapping as there may be overlap with her research.
- Mr. Smith clarified that the data will be coded as public source and private source.

#### Firewood Best Management Practices (BMP)

- The working group brainstormed some targeted courses towards local government agencies, arborists, campground managers.
  - UC Cooperative Extension is uploading a course to e-extension regarding ISHB with monies from the Britton Fund.
  - The test in the course requires 80% correct rate within 2 attempts prior to it resetting, and it displays a report card at the end.
  - There was some discussion over format. There was support for short quizzes and test at the end for completion.
  - CDPR has a 1 hour of training minimum for CEUs.
  - There was some discussion of International Society of Arboriculture (ISA) and what other potential incentives to get people to take the course.
- **Suggested RFP:** Work with Britton Fund or others who can get lower overhead with UC Cooperative Extension to see if more courses could be developed.
  - Suggestion that there was a voucher for tipping fees to cover preferred processors.

#### **Tabled to the Firewood Task Force and CISAC Summit:** Suggestion to make it a citation or fine to transport ISHB a long-term action item.

- Public Resources Code 4714.5. makes it a misdemeanor to transport Eucalyptus Long-Horned Borer.
- There was some discussion that it may be outside the scope of these sub-committees.
- There was some resistance to the suggestion due to the lack of enforcement ability.
- There was a question of whether we could fund enforcement through funds.
  - The LEAs clarified that there would likely not have enough staffing.
- **Action Item: Curtis Ewing, Tom Smith and David Pegos** will connect regarding funding for outreach materials.

#### **Public Comment**

- Christopher wanted some discussion focus on nurseries
  - Dr. Kabashima asked Ed Williams about adding to the existing Glassy-winged Sharpshooter Inspection of Nurseries to also include inspections for ISHB.

**Tabled to Green Waste Working Group Ed Williams** noted LEAs are getting inquiries about farm composters and digesters to coordinate working together.

#### Adjourn

Kevin Turner adjourned at 11:12am. Next meeting will be Monday May 6<sup>th</sup> from 9am to 11am.

**Next Steps: Will have Working Groups meeting prior to the next sub-committee meeting.**

#### Meeting Participants

<b>Participants</b>		<b>Affiliation</b>
Kevin	Turner (co-chair)	Cal Fire
Tom	Smith (co-chair)	Cal Fire
Abby	Barraza	UC ANR
Faith	Campbell	Center for Invasive Species Prevention
Corin	Choppin	CSUS CCP (notetaker)
Julie	Clark De Blasio	UC ANR
Nick	Condos	CDFA
Kim	Corella	Cal Fire, Southern Region
Jeffrey	Esquivel	Cal Recycle
Curtis	Ewing	Firewood Task Force
Jan	Gonzales	UC ANR
John	Kabashima	UC ANR Emeritus
Jason	Leathers	CDFA Pest Detection and Emergency Projects
Gina	Libby	Ventura County
Rebecca	Lustig	Ventura County
Shannon	Lynch	UC Santa Cruz
Curtis	Okasaki	CDFA
David	Pegos	CDFA (Convener and facilitator)
Madeleine	Rauhe	Disneyland Resorts
Helena	Roberts	Santa Clara County

Michael	Scholl	CDFA
Christopher	Shogren	UC Riverside
Sheri	Smith	Forest Service
Tom	Smith	CAL FIRE
Mike	Villaraza	Ventura County
Ed	Williams	Ventura County Ag Commissioner
Jennifer	VanDyke	CDFA
Sophia	Yun	Orange County Ag Commissioner's Office