

CALIFORNIA INVASIVE SPECIES ADVISORY COMMITTEE (CISAC)
Invasive Shot Hole Borer Sub-Committee
Survey – Early Detection and Rapid Response

Tuesday, April 16th 2019

Meeting Notes

Meeting Action Items

- **Next Meeting: Monday, April 29, 2019 from 2:00pm to 4:00pm**
- Laboratory Working Group established 4/16/19

Working Groups:

Sub-Sub-Committee	Charge	Participants
Trapping:	Develop plan for trapping, including: <ul style="list-style-type: none"> ● Where – high-priority areas ● Where data should go, and who will get it there 	Coordinator: Andrea Hefty Participants: Curtis Takahashi, John Kabashima, Madeleine Rauhe, Matt Kaiser, Ed Williams
Visual Surveys:	Develop protocol for tiers of surveys, including: <ul style="list-style-type: none"> ● Expertise for each tier ● Tools ● Reporting mechanisms ● Where data should go, and who will get it there 	Coordinator: Rosi Dagit Participants: Kim Corella, Sabrina Drill, Gretchen Heimlich, Beatriz Nobua-Behrmann, Jamie Whiteford, Abigail Barraza, John Kabashima, Curtis Takahashi
Rapid Response:	<ul style="list-style-type: none"> ● Develop protocols for removal of highly infested trees in wildlands. ● Public outreach ● Regulator authority ● Funding 	Coordinator: Ed Williams Participants: Dr. Kabashima, Chris Oesch, Rosi Dagit, Madeleine Rauhe, Andy Richards, Kim Corella

Laboratory Working Group	<ul style="list-style-type: none"> ● Develop a system for laboratory Identification that would involve initial screenings and follow-up official identification for action. ● Report at the next meeting 	Coordinator: Shannon Lynch Participants: Steve Gumari, Alexey Tishechkin, Richard Stouthammer, Akif Eskelon, John Kabashima, Curtis Takahashi. Suzanne Latham, Sheryl Blomquist and Nick Condos.
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Other Action Items:

- **Dr. Kabashima** get rapid response matrix to Rosi Dagit, Andrea Hefty, and Ed Williams.
- **Rosi Dagit** is heading out of town Friday 4/26 so all feedback on the protocols needs to be submitted to her by then.
- **Rosi Dagit** will add to the trapping document we include months for general trapping that are higher elevation.
- **Tom Smith** will hold meeting of key stakeholders in the data, including Sabrina Drill and Shannon Lynch.
- **David Pegos** will reach out to Parks and Rec and Martha Volkov with CDFW about collaboration.
- **Tabled to Education and Outreach Sub-Committee** develop outreach materials for the leading edge.
- **Tabled to research Committee** agreement that it would be worth looking at effect of removal of amplifier trees in a larger context.
- **Tabled to the Pathways Sub-Committee** to identify areas of leap frog risk such as green waste facilities, nurseries, campgrounds and firewood distribution points, for trapping.
- **Tabled to the IPM Working Group:** Effectiveness Evaluation.

Consensus Reached:

- Remove section on specific reproductive hosts from the protocols.
- FRAP to the protocols as the centralized data and reporting.

Suggested Requests For Proposals:

- Risk Assessment and data management input and reporting in order to track effectiveness.
- Augment AG Commissions contracts to include ISHB trapping.
- US Forest Service trapping.

Meeting Proceedings

Sub-Committee co-chair Commissioner Ed Williams called meeting to order at 2:07 pm. Commissioner Williams reviewed the minutes from the first meeting on March 19th asked for a motion to approve the minutes. Tom Smith moved to approve the minutes. Kevin Turner seconded the motion. There were no objections so the minutes were approved by consensus. Commissioner Williams reviewed the April 2nd meeting minutes. Tom Smith moved to approve the minutes, Kevin Turner seconded. With no objections, the minutes were approved by consensus.

5. SUB-COMMITTEE BUSINESS/DISCUSSIONS: Development of ISHB Action Plan

Laboratory Services

David Pegos of CDFA introduced Dr. Steve Gumari who

- Dr. Gumari recommended that captured bugs be cleaned of sticky stuff and also noted that there may be a lot of bugs.
 1. There was some discussion of whether it is needed to identify the fusarium.
 2. A suggestion that only a sample of specimens be taken to do DNA analysis or fusarium analysis.
- Dr. Richard Stouthammer has been identifying beetles on a pro-bono basis we have been identifying which ISHB. Their costs have been about \$1 per identification.
 1. Shelley Bennett is applying for a grant to get machinery to also do the identification.
 2. Dr. Kabashima and Mrs. Lynch were both supportive of identifying the kind of beetle PSHB vs KSHB.
 3. Stouthammer Laboratory has a capacity of doing about 240 identifications per day.

There was discussion of whether there needed to be an official CDFA identification for potential tree removal.

- Commissioner Williams suggested a two-pronged approach, one for the leading edge and one for already infested areas.
 1. Mr. Pegos suggested that there was value in doing a regulator sample before talking to the homeowner.
 2. There was a suggestion that since all ISHB are all rated B so they do not need to be distinguished for action.
- There a question regarding of the removal of amplifier trees.
 1. Disney has removed amplifier trees with great success.
 2. Dr. Kabashima also noted the success of removing box elders in Ojai.
 3. There was discussion of whether the data from Disney and Ojai were anecdotal or causal.

Tabled to research Committee agreement that it would be worth looking at effect of removal of amplifier trees in a larger context.

- **Action Item:** Laboratory Working Group established
 1. Develop a system for laboratory Identification that would involve initial screenings and follow-up official identification for action.
 2. Working Group Report at the next meeting
- There was a suggestion that Risk Assessment and Data Management be grouped into one person or agency.
 1. Shannon Lynch is working on a regional statewide assessment.
 2. **RFP:** Risk Assessment and Data management input and reporting in order to track effectiveness
 - Davey is willing to offer a pilot program of their software.
 - Fire Resource Assessment Program (FRAP) has agreed to be the host for data.

- **Action Item: Tom Smith** will hold meeting of key stakeholders in the data, including Sabrina Drill and Shannon Lynch.

Visual Survey Working Group

Rosi Dagit reported on the updated draft of the Survey Working Group Protocols included edits from working group members. Items of the plan highlighted in yellow are areas that need to be addressed.

- Do we want to develop a specific protocol on identifying specific reproductive hosts?
 1. Dr. Eskalon is keeping a list of reproductive hosts.
 2. **Consensus** removing section from the protocols.
- **Consensus** to add FRAP to the protocols as the centralized data and reporting.
- **Action Item: Rosi Dagit** is heading out of town Friday 4/26 so all feedback on the protocols needs to be submitted to her by then.
- **Tabled to the IPM Working Group:** Effectiveness Evaluation.

Trapping Working Group

Commissioner Williams reported that the Trapping Working groups primary focus be identifying the leading edge and high-risk areas within those counties. Trapping would be deployed twice a year, spring and fall. Looking to develop protocols for number of traps and distance between traps.

- There was discussion of whether there was a proven method to prevent spread even if the leading edge.
- There was a suggestion that the leading edge may not be as important to spread as human assisted pathways like firewood.
- **Tabled to the Pathways sub-committee** to identify areas of leap frog risk such as green waste facilities, nurseries, campgrounds and firewood distribution points, for trapping.

There was discussion of whether the climax could be used to limit the leap frog risk area.
- Discussion of whether we can collaborate with other trapping that is going on.

Current trapping going on in Santa Cruz and offers to trap around firewood transfer areas in northern California.
- **RFP:** Augment AG Commissions contracts to include ISHB trapping.
- **RFP:** US Forest Service trapping
- Hanz with CDFW does mostly visual surveys but would be happy to collaborate to do more trapping.
- **Action Item:** David Pegos will reach out to Parks and Rec and Martha Volkov with CDFW about collaboration.

Rapid Response Working Group

Rosi Dagit reported that the Rapid Response Working Group has asked Dr. Kabashima and UC ANR to develop a Rapid Response Protocol for Leading Edge areas. She stressed the importance of outreach and education regarding getting the public on board on why tree removals will be important.

- Grantees will have to be CEQA requirement.
- Kim Corella is working on researching zones of infestation language.

Suggestion to make an interagency agreement between CDFA and Cal Fire to remove trees.

- **Tabled to Research Sub-Committee:** Discussion of whether was a need to build the KSHB host list.

Look at botanical gardens in San Diego.

6. PUBLIC COMMENT ON ITEMS NOT ON THE AGENDA

- Curtis Takahashi asked the timeline for rapid response, hours days weeks, months.
- Dr. Kabashima **Action Item:** get rapid response matix to Rosi Dagit, Andrea Hefty, and Ed Williams.
- Kevin Turner **Tabled to Education and Outreach Subcommittee** develop outreach materials for the leading edge.
- Sheri Smith suggested **Action Item: Rosi Dagit** will add to the trapping document “best months for general trapping at higher elevation.”

Next Meeting – Tentatively, Monday, April 29, 2019 from 2:00pm to 4:00pm

7. ADJOURNMENT

Commissioner Ed Williams thanked everyone and reminded everyone that the by the 29th the Sub-Committee needs to have some well-defined plans to vote on. Meeting was adjourned at 4:20pm.

Meeting Participants

First Name	Last Name	Affiliation
Andrea	Hefty (co-chair)	U.S. Forest Service
Ed	Williams (co-chair)	Ventura County Agricultural Commissioner
Abigail	Barraza	UC ANR
Julie	Clark De Blasio	UC ANR
Kim	Corella	Cal Fire
Nick	Condos	CDFA
Corin	Choppin	CSUS CCP (notetaker)
Rosi	Dagit	Santa Monica Mountains RCD

Steve	Gaimari	CDFA
Gretchen	Heimlich	Disney
Katie	Harrell	Board of Forestry
John	Kabashima	UC ANR Emeritus
Matt	Kaiser	CDFA
Shannon	Lynch	UC Santa Cruz
Jessika	Mitchell	Davey
David	Pegos	CDFA (Convener & Facilitator)
Beatriz	Nobua-Behrmann	UC ANR
Madeleine	Rauhe	Disney
Christopher	Shogren	UC Riverside
Michael	Scholl	CDFA
Hans	Sin	CDFW
Sheri	Smith	US Forest Service
Richard	Stouthammer	Stouthammer Labs
Curtis	Takahashi	CDFA
Alexey	Tishechkin	CDFA
Kevin	Turner	CAL FIRE

Jamie	Whiteford	Ventura County Resource Conservation District
Rhonda	Wood	Disney
Sophia	Yun	Orange County Ag Commissioner's Office