Thin chip layer from brush masticator on movie set
Designated, rocked parking area
Information display board
On-site Sanitation Kit

Flush & Brush
Current Sanitation Studies

• Some methods already proven (sterilize with Lysol, bleach, alcohol; composting)
• Some methods borrowed from Port-Orford Cedar disease (*P. lateralis*) (trail closures, water treatments, wash stations)

• Some methods being analyzed…
Heavy Equipment: Potential SOD Vector

California bay laurel stumps

Equipment is working where trees have been fallen
Logging Equipment: Lots of Infested Soil

LOG LOADER: CAN HARBOR OVER 500 LITERS OF SOIL/DEBRIS
Logging Equipment: Lots of Infested Soil

LOG LOADER TRACKS
P. ramorum in soil adhered to equipment

• 22/22 samples (total 3 dates) positive from soil/debris on equipment working off-road in infested zone (400-ml samples)

• 4/6 boots (1 date) positive from loggers’ boots

• 5/15 soil residue swabs (< 2 ml residual soil) positive after manual scraping and brushing (3/15 after this AND chemical treatment)

What is the best (effective yet cheap) method for getting the majority of infected material off equipment and vehicles?

Unification of SOD BMPs; Policy...regulations?
Incorporating SOD into land/resource management plans or timber harvest documents

• Follow all applicable state and federal regulations
• Obtain appropriate Compliance Agreements
• Incorporate BMPs to:
  – Minimize risk of disease introduction into property
  – Minimize build-up of disease within property
  – Minimize spread to other properties
A Few Rules Specific to state and private timber harvest plans (1 of 3)

- Determine location of SOD outbreaks and report to the Director. **14 CCR 917.10** [All Districts].
- Since the Board of Forestry and Fire Protection has approved the Director’s declaration for the need of a Zone of Infestation, an increased awareness and knowledge level of that pest is expected from the professional forester prescribing management practices within that ZOI.
- **14 CCR 917.9** (a) [All Districts] mandates mitigations for pests when plan is within a ZOI.
Specific to state and private timber harvest plans (2 of 3)

- Just saying the regulated articles will not be leaving the ZOI, and therefore no state or federal regulations apply, is **NOT** showing how the proposed timber operations will minimize the build-up (including introduction) or spread of the disease **within** the ZOI. Reference **14 CCR 917.9** [All Districts].

- Review and Consider the list of Best Management Practices we just covered, or explain how other mitigations will accomplish **14 CCR 917.9** [All Districts].
– Or, provide a “Free-From” survey report.
  • Must have certified surveyor from a previous COMTF training class (last 3 years)
  • Include survey methods and survey map
  • Include sampling results
  • “Free-From” provides reasonable assurance that SOD is not on-site, but you still need to provide mitigation minimizing the risk of introduction
  • Not valid if regulated articles are to leave the state
For THPs filed under an approved Sustained Yield Plan

- Review SOD information and identify new issues or mitigations in the new THP or deviation (substantial or minor). 14 CCR 1091.14
For approved NTMPs

- Resurvey and review SOD information and identify new issues or mitigations in a submitted deviation (substantial or minor). 14 CCR 1090.14
For Emergency Notices for Sudden Oak Death after 1/1/2013

- Review new sections of 1052, especially 1052.5 and new Emergency Notices section of 916.9. A SOD sanitation plan will be required.
Approved THP is the functional equivalency of a Compliance Agreement

- Must be with load, just as with a regular Compliance Agreement
- Compliance Agreement or Equivalency good for one year from:
  - date of completion of “free-from” survey if no symptoms were detected
  - “free-from” survey’s sampling results date obtained from an approved lab
  - date of approved THP if no survey was conducted and all hosts are deemed infected. Plan’s mitigations must be reviewed and approved.
  - date of SOD submission letter or deviation to NTMP coinciding with Notice of Timber Operations. Notice must comply with PRC 4594.6, that the NTMP is still in conformance with the rules.

- And also....
After 12 months has elapsed ...

- Conduct another free-from survey and amend the plan
- Review current state and federal regulations or changes in host lists
- Amend plan where needed or notify Region that there have been no such changes
Forestry Assistance Programs

- California Forest Improvement Program (CFIP)
  - 20-to-5,000 acres of forestland zoned timber production (TPZ) or Agriculture Preserve
  - Cost share up to 75%
  - SOD incidence may generate cost share up to 90%
  - Assistance is in the form of reimbursement of invoices, and covers:
    » Plan preparation
    » Site preparation
    » Tree planting
    » Thinning/release