

Brush Masticator



Mendocino Co.



**Thin chip layer from brush
masticator on movie set**

Mendocino Co.

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



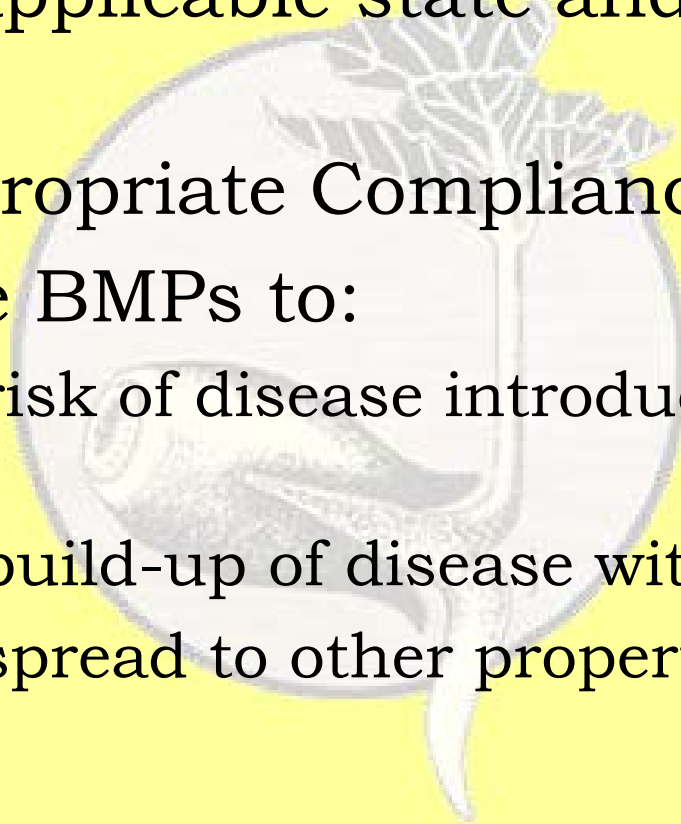
P. ramorum in soil adhered to equipment

- 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)

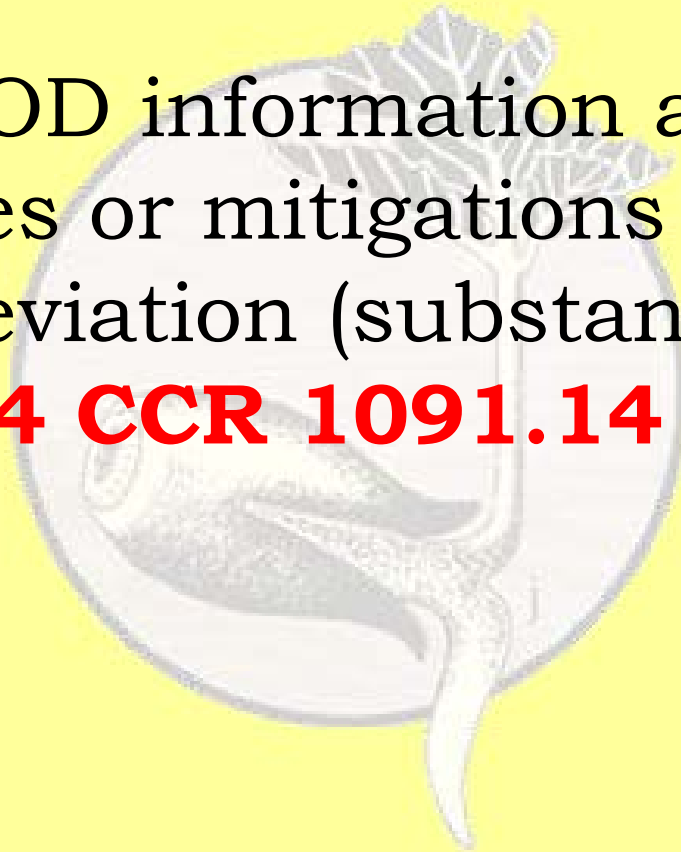
- Just saying the regulated articles will not be leaving the ZOI, and therefore no state or federal regulations apply, is **NOT** showing how the proposed timber operations will minimize the build-up (including introduction) or spread of the disease (within the ZOI). Reference **14 CCR 917.9** [All Districts].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

Specific to state and private timber harvest plans (3 of 3)

- 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

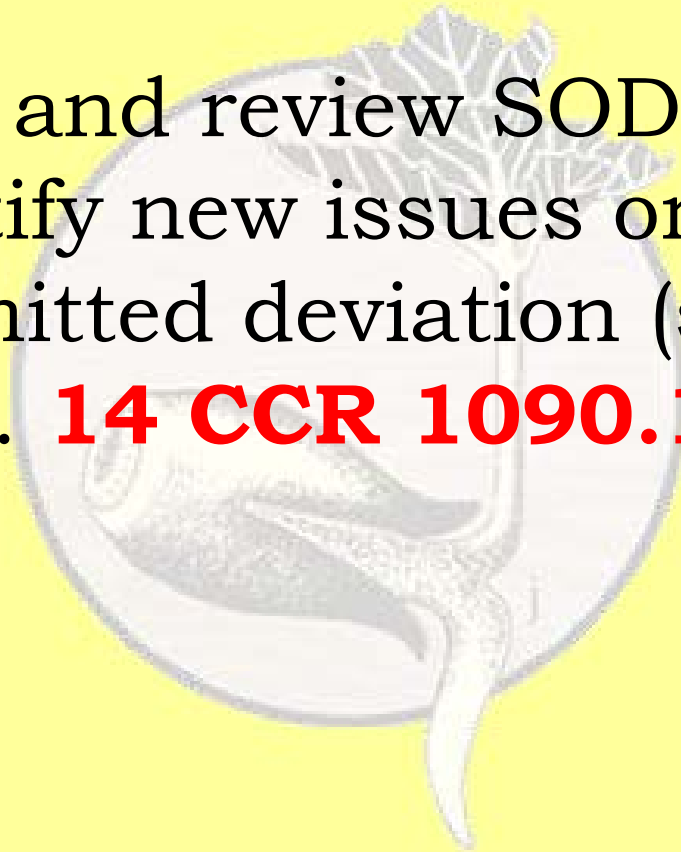
For THPs filed under an approved Sustained Yield Plan

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



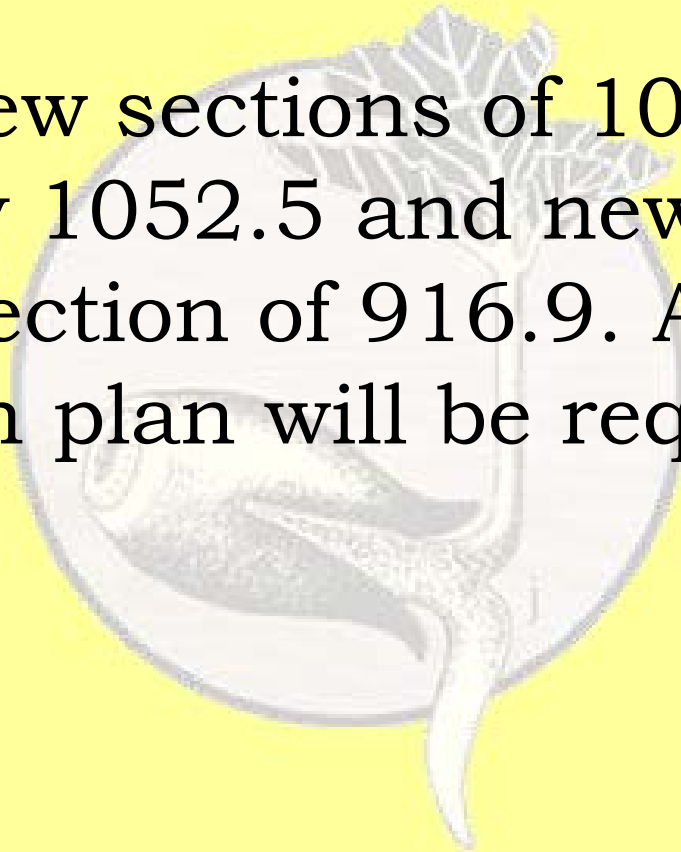
For approved NTMPs

- 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**

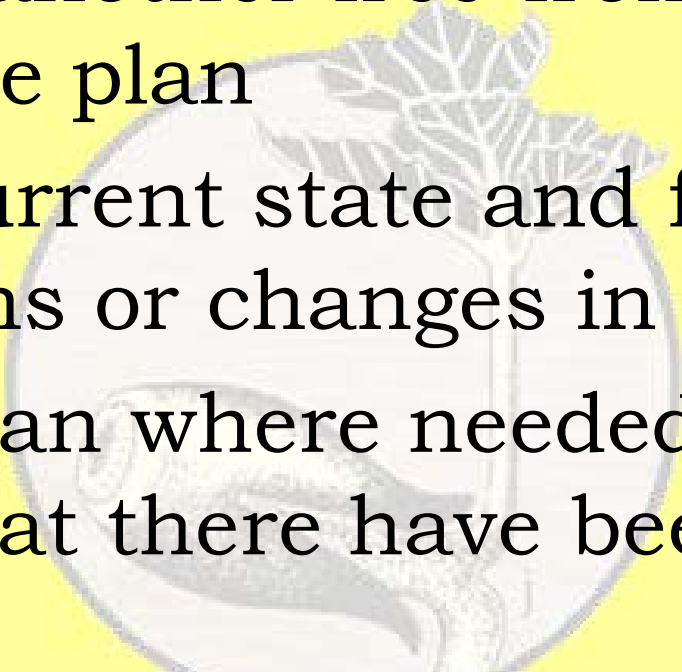
- Review new sections of 1052, especially 1052.5 and new Emergency Notices section of 916.9. A SOD sanitation plan will be required.



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
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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