

# ACUTE OAK DECLINE

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# Acute Oak Decline

- Called to Hollister in San Benito County for dying oaks and “potential sudden oak death disease”
- We are always concerned about dying oaks due to so many invasive pests for the trees in California
- Impacted site had dead and declining blue oaks



# Acute Oak Decline



- Found oozing cankers around the base of the impacted oaks
- Collected samples for potential *Phytophthora ramorum* or other *Phytophthoras*
- No *Phytophthora* was found or any other fungi
- Samples were sent for bacterial analysis
- The site was impacted by rooting by wild pigs throughout the property

# Acute Oak Decline

Samples positive for:

- *Rahnella victoriana*
- *Brenneria goodwinii*
- *Gibbsiella sp.*
- *Erwinia sp.*

Only bacteria were found,  
no fungi were isolated

Horrendous smell!



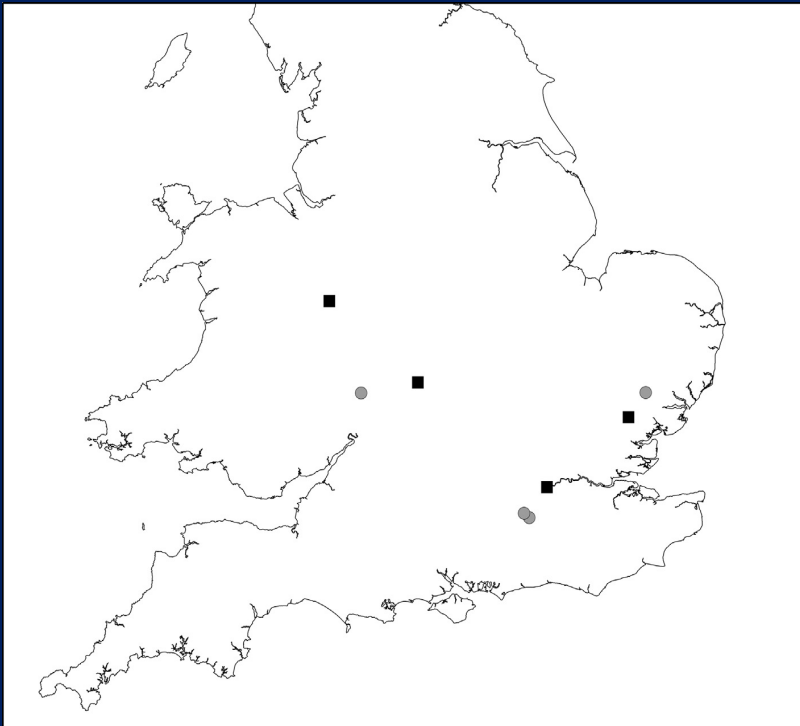
# Acute Oak Decline



- *Rahnella victoriana* is one of the main concerns
- Also identified in Britain on native English oaks causing Acute Oak Decline – especially when combined with *Agrilus* oak beetles there
- Found causing mortality of Eucalyptus and oaks in Iran and is disease of onions in New York State

# Acute Oak Decline

- In Britain the disease has been reported from various sites in England



# Acute Oak Decline



- In Iran *Rahnella victoriana* causing oozing cankers on Eucalyptus, Hornbeam, Oaks and other tree species

# Acute Oak Decline

- Has been identified in Los Angeles County
- Oak Flat Campground near Castaic on Blue Oak





# Acute Oak Decline



Other potential sites on Blue Oaks:

- Nevada County
- Sacramento County
- El Dorado County
- Placer County
- ?????

# Acute Oak Decline

- Called to Green Valley in Los Angeles County to look at Coast Live Oaks infested with Gold Spotted Oak Borer
- *Rahnella victoriana* isolated from oozing from the base of the trees
- Previously found by British researchers from GSOB trees



# Acute Oak Decline

- Many of the trees in Hollister appear to be recovering.
- But nearly half have died, primarily at the lower end of the property (also the part of the property with the most damage from wild pigs)



Acute Oak Decline

Questions?

