Vegetation Management for Fuels Reduction in the East Bay

Tatiana Manzanillo and Jaclyn Lim

### **History of the East Bay**

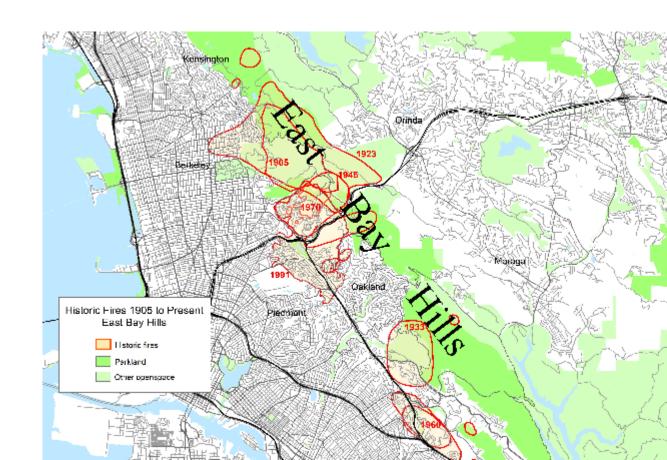
- Native people's occupation
- 1700s-1800s European colonialism, urbanization
- Late 1800s-1900s afforestation





## **Fire Danger**

- Increased fuel load
- Fire suppression
- Wildfires

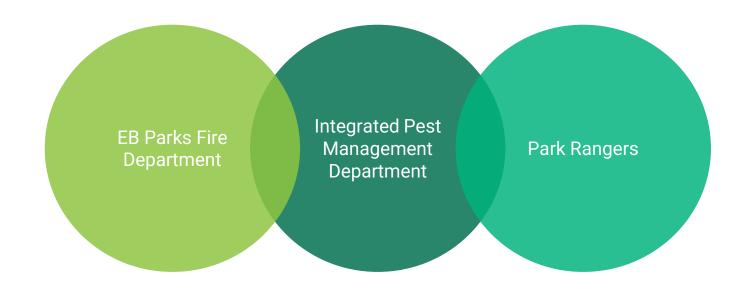


# Wildfire Hazard Reduction and Resource Management Plan

- Reduce fire hazard risk
- Maintain and enhance ecological value
- Preserve aesthetic landscape
- Provide vegetation management plan



#### WHO DOES THIS WORK?













### **Eucalyptus**

Introduced species,
Eucalyptus globulus and
Eucalyptus camaldulensis

- Treatment Options:
  - Mechanical Heavy equipment, cutting, pulling young sprouts
  - Chemical Herbicidal treatments













#### **French Broom**

- Introduced species, Genista monspessulana
- Mature broom is a fire hazard, contributes to fuel ladders
- Treatment Options:

  Mechanical pulling, cutting, mowing with equipment Grazing Chemical – foliar

  - application













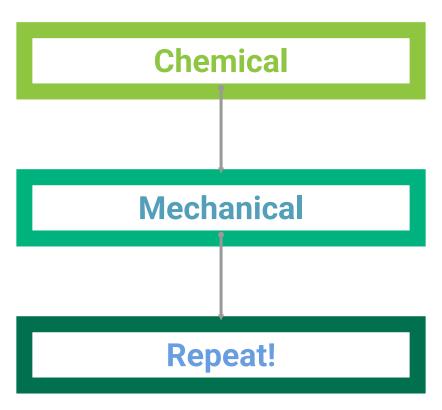


### Mayten

Ornamental tree that has escaped into wildlands

Can't be treated by mechanical means alone

#### Mayten











# Native woody species

- Coyote brush and poison oak can be invasive
- Reduce ladder fuels
- Spraying and cutting order depends on site characteristics and timing









#### Conclusion

- There is no silver bullet; integrated approach and follow up is key
- Native vegetation recovery is awesome!
- Fuels management is a community effort



# Rupertia sp. and Cicuta maculata







# Special thanks to:

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# **Questions?**

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