



*ESNERR eucalyptus vs. oak comparisons*

## EXPERIMENTAL DESIGN

- comparison of paired oak vs. eucalyptus groves (similar size, in close proximity)
- small groves on Reserve and large groves elsewhere in Elkhorn Watershed
- broad assessment of communities (bird, plant, insect) in each woodland type
- additional focused questions tailored to each study



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## INTRODUCTION

COMPARISON OF COMMUNITIES FOUND IN EUCALYPTUS VS. OAK GROVES IN CENTRAL CALIFORNIA

- Four different studies
- Involved two ESNERR staff members and five ESNERR student interns



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## INTEGRATION

BETWEEN EDUCATION & SCIENCE:  
Feedback loop between coastal training program and research program

BETWEEN ACADEMIC SCIENCE AND APPLIED CONSERVATION:  
Links between local universities and conservation organizations



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## CAVEATS

- short-term studies (single year or season)
- limited geographic focus (Elkhorn area)
- some of work on small groves
- only single habitat comparison (would also be fruitful to compare eucalyptus groves to grasslands, scrub, etc.)



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## OVERARCHING THEMES

### SURPRISING SIMILARITY

Overall, species composition, richness and abundance is similar between oak vs. eucalyptus groves

### BUT SOME DIFFERENCES

At the level of individual species (or taxa) there are some significant, interesting differences