



# Forestry Challenge

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By Golden Sierra  
High School Forestry Teams



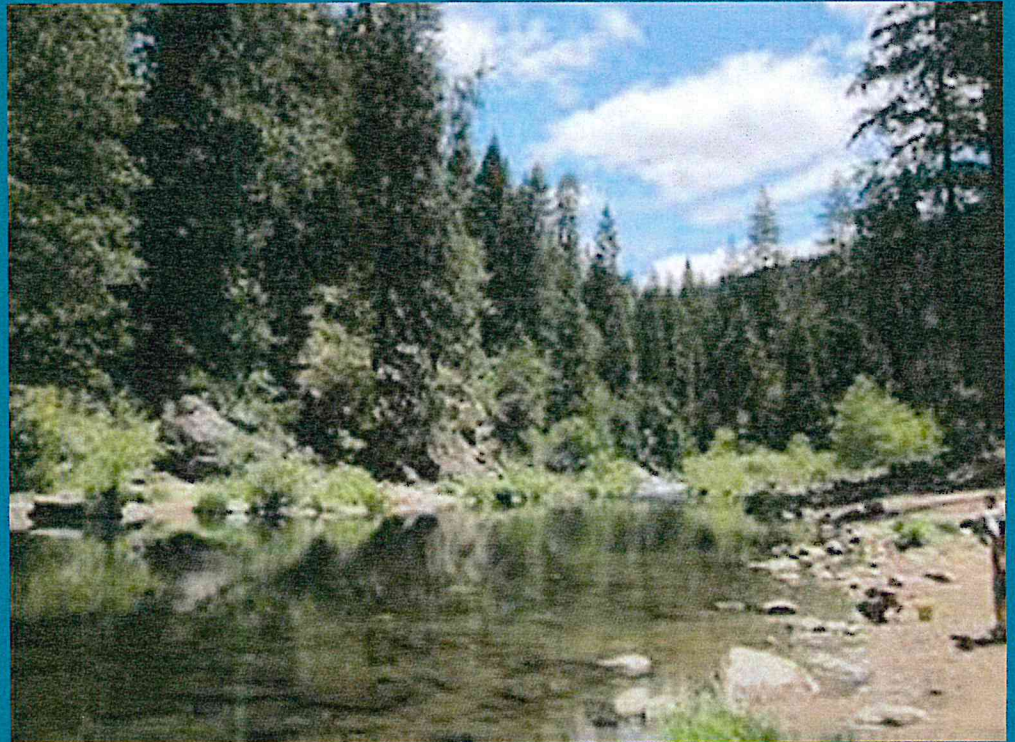






# Reasons for attending

- Learn about forestry
- Enjoy the outdoors
- Meet new people
- College applications
- Challenge ourselves





# What is the Forestry Challenge?

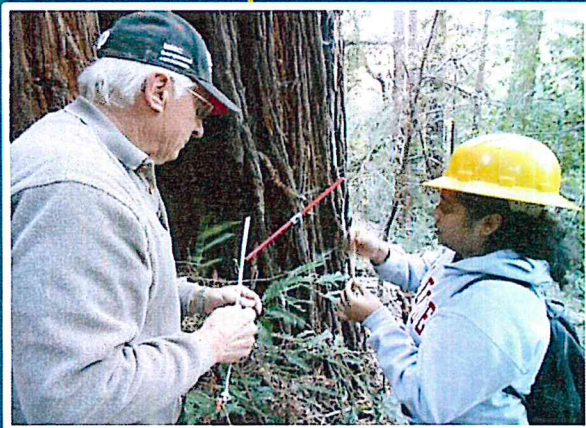
- Leoni Meadows in Grizzly Flats
- October 25th-28th
- 11 schools and 92 students
- We learned from professionals and evaluated the Trestle Forest Health Project







**Goal #1: Teach students the basic principles of forestry, connecting classroom math and science to hands-on experiences with real-world applications, enabling them to make recommendations about natural resource management.**



**Quantifying Growth Rates**



**Fuel Loading Quantification Using Brown's Transects**



**Measuring Coulter Cones**





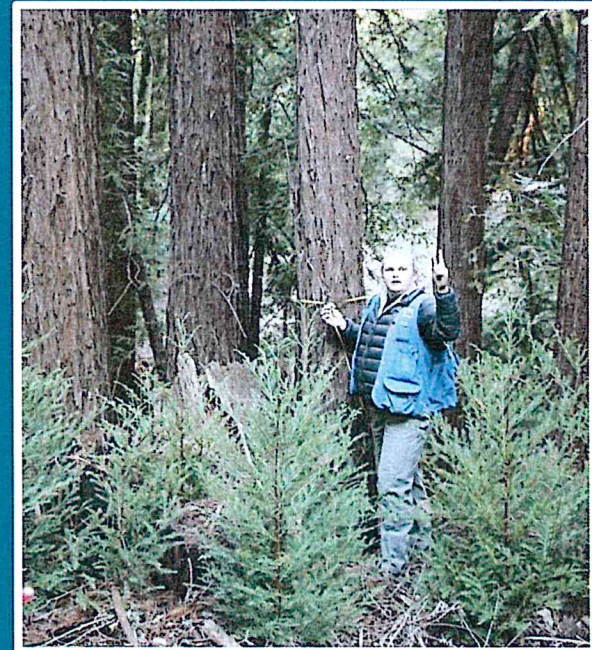
**Goal #2: Give students the opportunity to explore careers by interacting with natural resource professionals including foresters, hydrologists, soil scientists, wildlife biologists, and fire scientists.**



**Paula Randler**  
**US Forest Service**



**Patrick McDaniel**  
**CalFire**

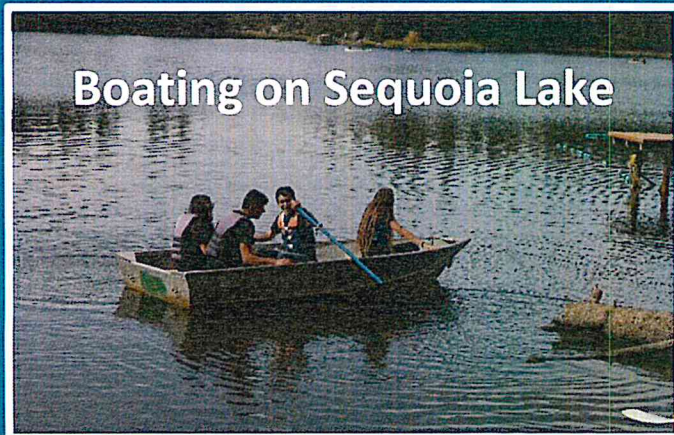
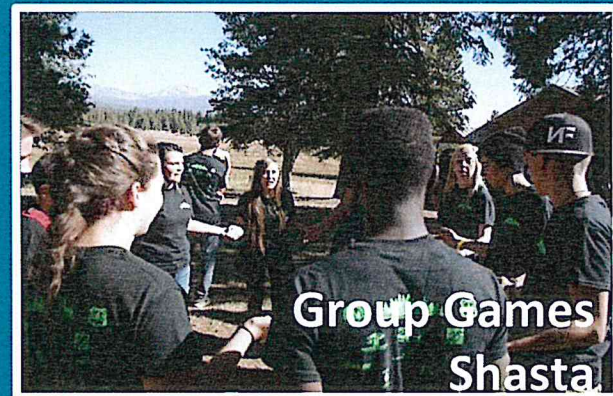
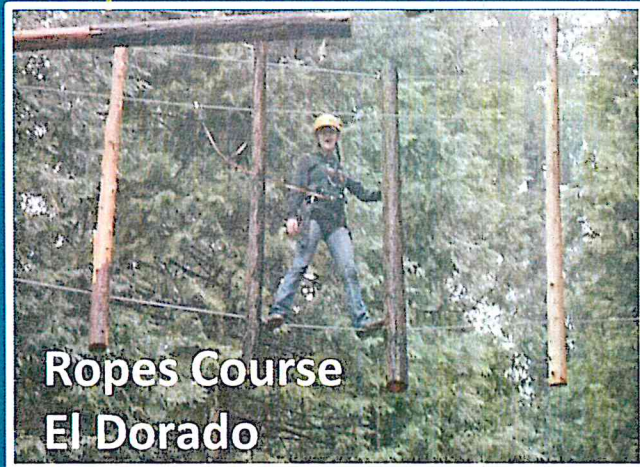


**Julie Dufresne**  
**Big Creek Lumber Co.**



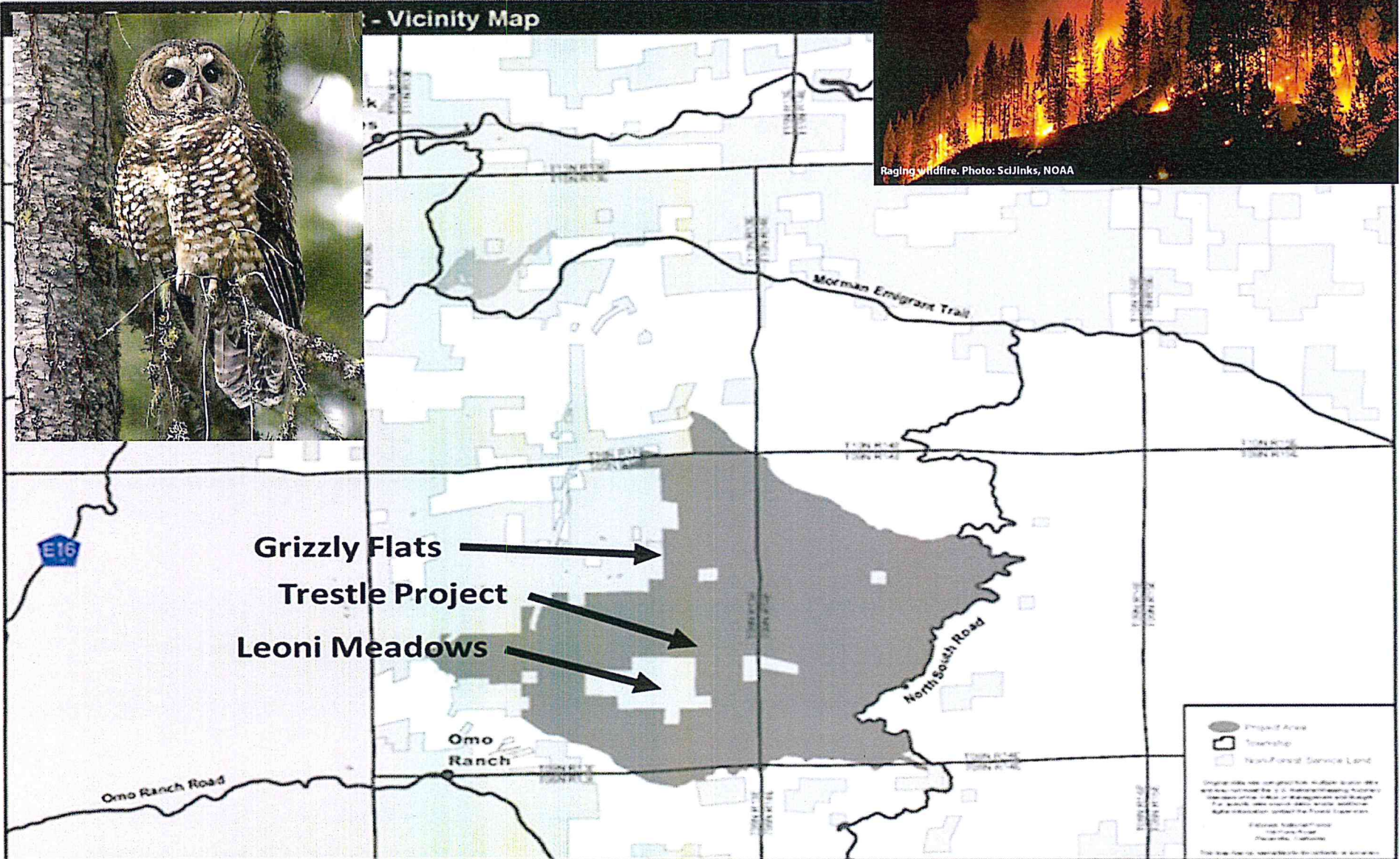


**Goal #3: Provide an opportunity for a diverse student population to experience outdoor recreation and develop an appreciation for the forest and its benefits to all.**





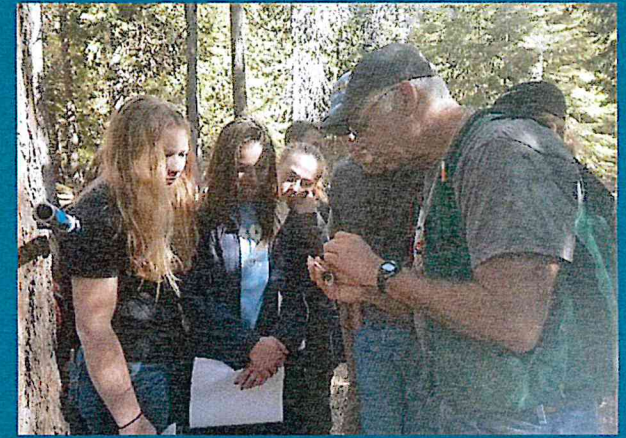
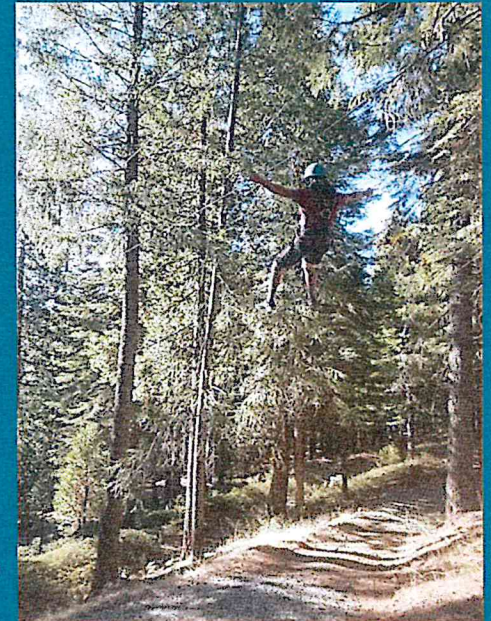
# 2018 Focus Topic: Trestle Forest Health Project





# Experience

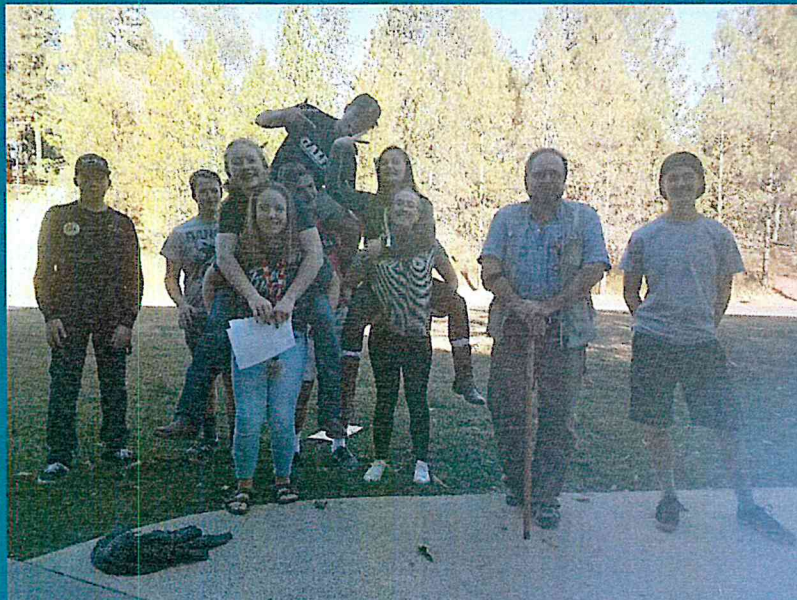
- Fun and Educational Experience
- Zip lines/ ropes course
- Learned from Professionals
- The days were packed from morning until bedtime
- Got our foot in the door for a career in forestry
- We learned to gather data from the forest





# Preparation

- Studied from website
- Met with a local forester named John LeBlanc
- Practiced with tools such as Biltmore stick, clinometer, and diameter tape

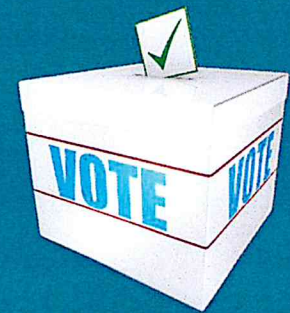




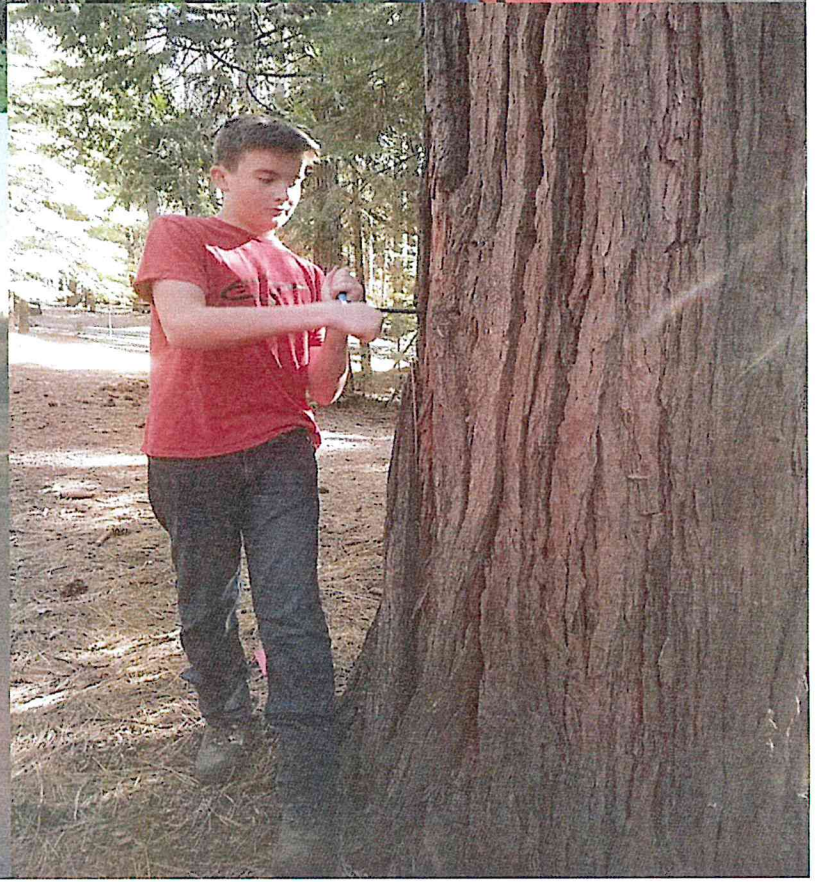
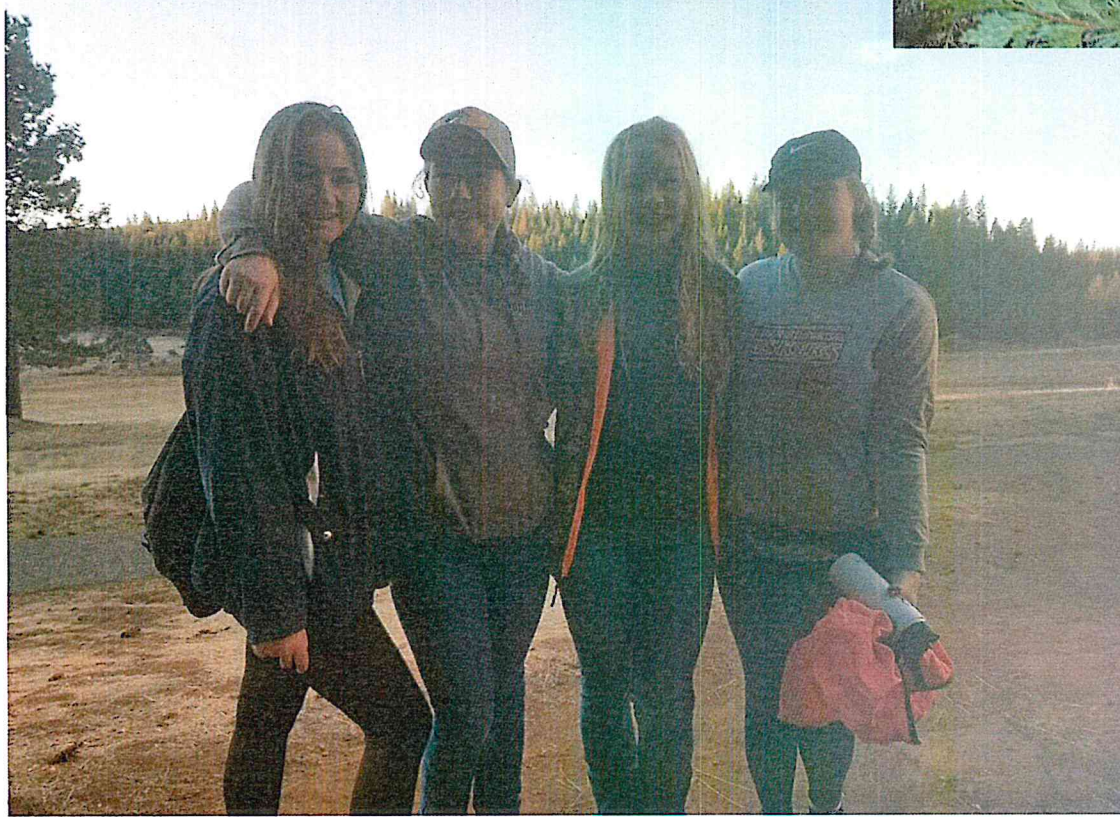
# What We Learned

## How We Can Use This Knowledge

- What the Forest Service does and how
- Informed us about environmental issues
- Supplied us with knowledge about jobs in forestry
- Make informed decisions on votes regarding the forest



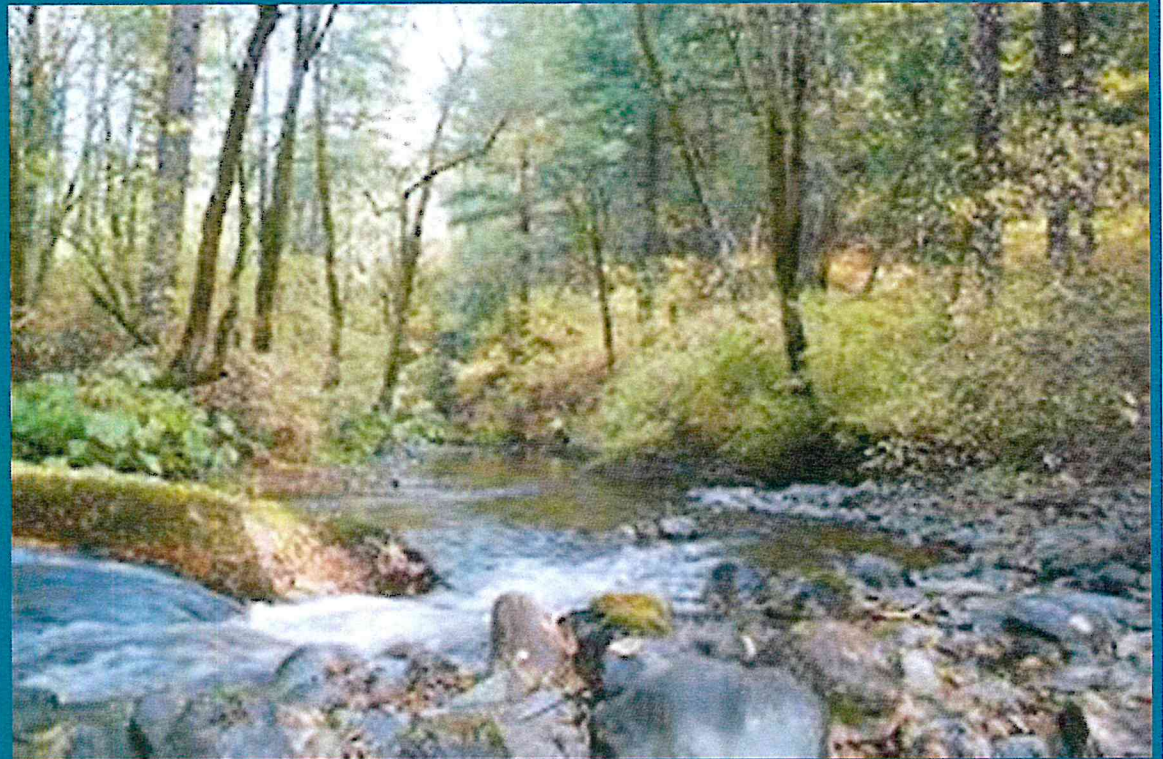






# Big Picture

- Management view
- Thinning
- Controlling Fire
- Safety





# Thank you! Questions?

