Klamath Mountains Vegetation Mapping and Classification

A collaboration between the California Native Plant Society, Cal Poly Humboldt, Bigfoot Trail Alliance, and the Californica Department of Fish & Wildlife (funding agency)
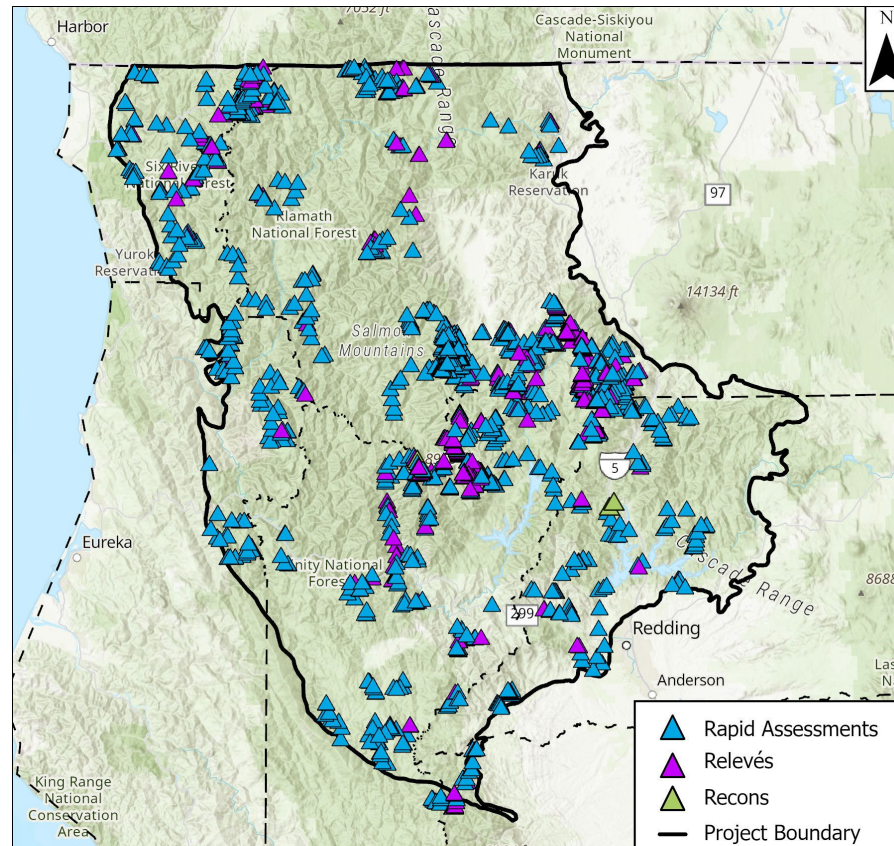
Presenter: Annie Allen, Master's student at CPH; with photos and content Sam Swatling-Holcomb, Michael Kauffmann, Sebastian Evans, Julie Evens, etc.
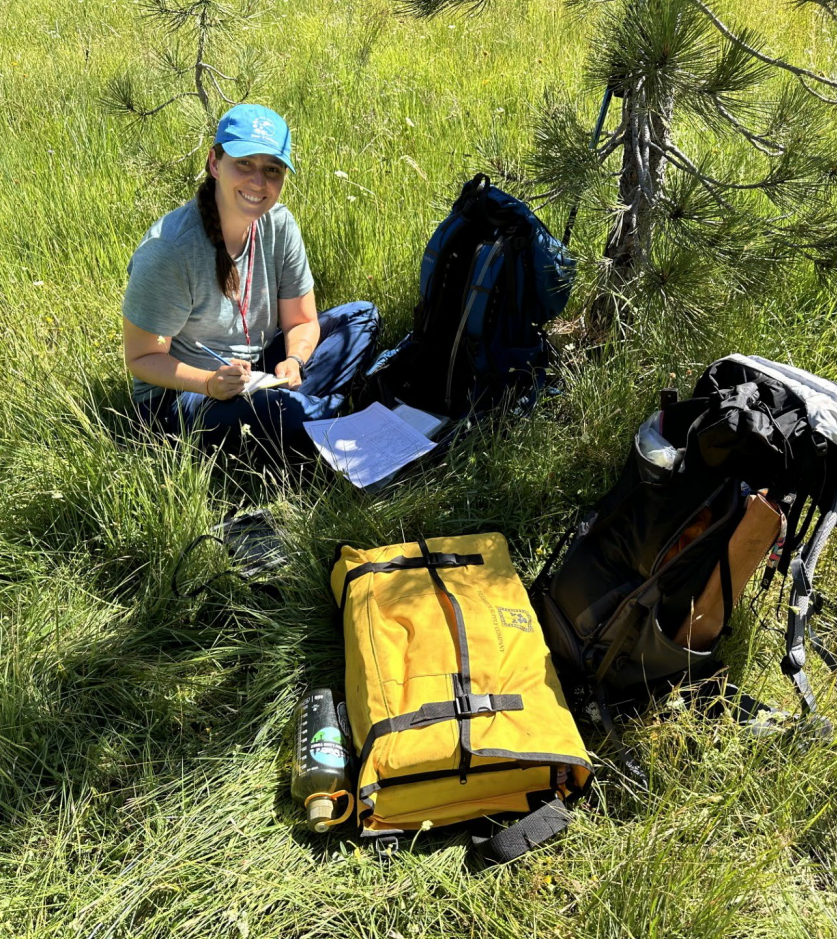
Representative Field Sampling (2023 – 24) so far...

- **1500+** vegetation surveys

- **500+** plant voucher collections

- **~240** Veg Alliances

- **~620** Veg Associations

- Approx. **1/3** of surveys are Sensitive Natural Communities

Legend:
- Rapid Assessments
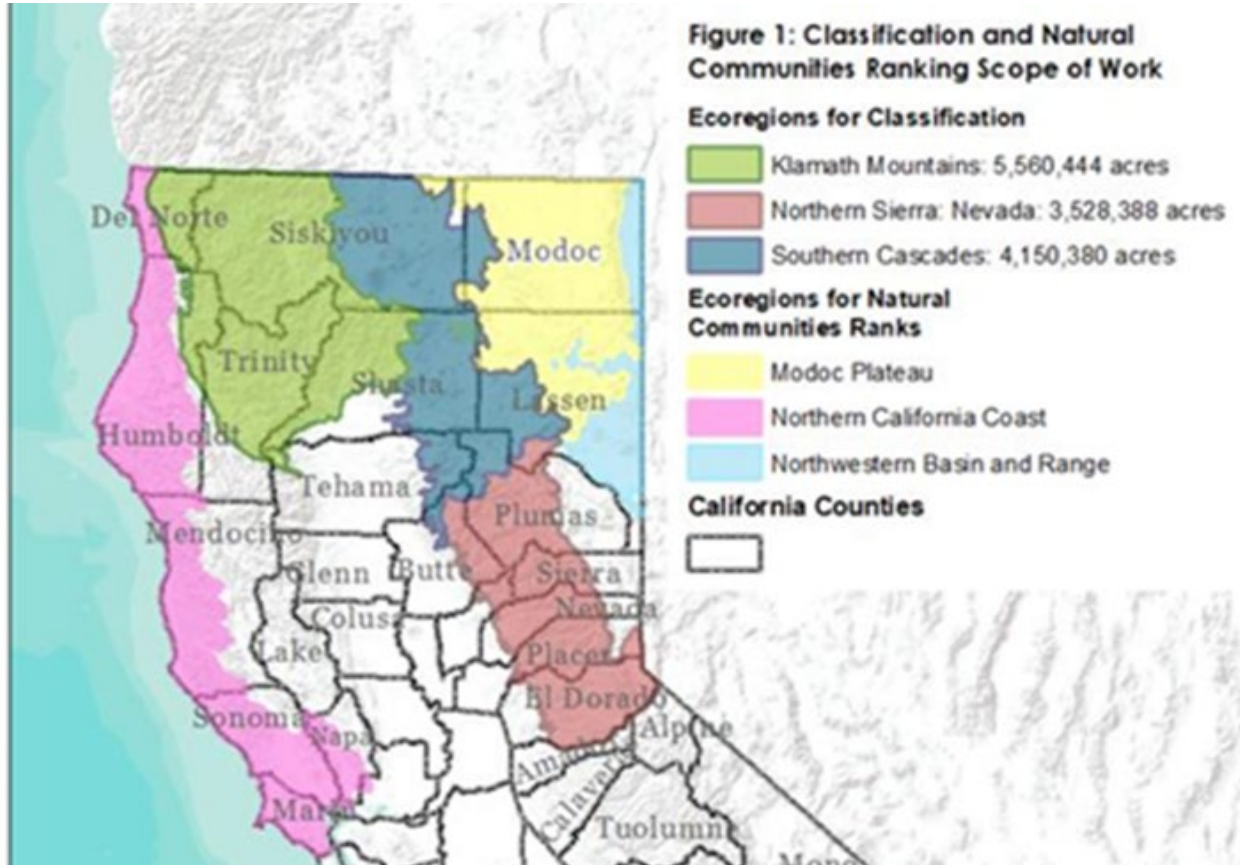- Relevés
- Recons
- Project Boundary

2025 Sampling: High Diversity and Uncommon Vegetation

- **600+** surveys including:
  - High-diversity sites
  - High elevation conifers
  - Wet to dry meadows
  - Nutrient-poor sites
  - 300+ voucher specimens

- **Hiring** of at least 1 field lead staff

Cross-Ecoregional Classification Analysis: Summer 2025 – 26

Figure 1: Classification and Natural Communities Ranking Scope of Work

Ecoregions for Classification
- Klamath Mountains: 5,560,444 acres
- Northern Sierra: Nevada: 3,528,388 acres
- Southern Cascades: 4,150,380 acres

Ecoregions for Natural Communities Ranks
- Modoc Plateau
- Northern California Coast
- Northwestern Basin and Range

California Counties

Klamath Mountains, Southern Cascades, and **northern Sierra Nevada**

Analyze ~ 7,000+ surveys including new & existing data

Review existing and **define** "new" vegetation communities

Write **descriptions** and **hierarchical keys**

Manual of CA Vegetation (MCV) Online Updates

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- Bigfoot Trail Alliance & Michael Kauffmann
- California State Polytechnic University, Humboldt
- California Native Plant Society Chapters
    - North Coast
    - Dorothy King-Young
    - Shasta
- USDA US Forest Service
- USDOI Bureau of Land Management
- California State Parks
- Tribes & Tribal members
- Sierra Pacific Industries
- Private landowners and managers

CNPS and CPH will be hiring soon!

SCAN ME