

### **SNAMP Science** Team: Wildlife -**Fisher**

Principal Investigator: Reg Barrett



Staff Research Biologists: Geoff Cline, Lindsay Martin, Jeff

Staff Research Assistants: Wendy Sicard , Michelle Anderson USFS Flight Support :

#### Fisher Team Goals:

- Determine population parameters and limiting factors for Pacific fisher (Martes pennanti)
- Evaluate effects of fuel reduction treatments (SPLATS) on resource use, survival, and population persistence of Pacific fisher

Fisher Project Leader: Rick Sweitzer• Fisher Team Activities:

- Camera surveys: determine occupancy rates Live trapping: radio collar individual fisher
- Live trapping: radio collar individual risner Daily monitoring: track dispersal/movements, identify key habitat features (den trees), determine sources of mortality Modeling: investigate influence of SPLATS on resource use and population persistence

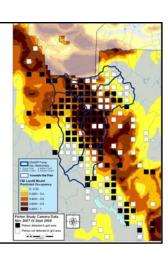
## YEAR ONE

221 Camera Trap Months 106 Fisher Detections (48%)

> Compare with CBI prediction?

67% Correct 33% Incorrect

If cutoff is 0.4



#### Approximate centers of fisher home ranges documented to date

27 fisher are currently "on the air"

Expect to have a total of at least 40 fisher tracked until death over the next seven years



## **SNAMP Science** Team: Wildlife -Spotted Owl



Principal Investigator:

· Rocky Gutiérrez Project Leader:

•Douglas Tempel

Assistant Project Leader (SNAMP):

Sheila Whitmore

Assistant Project Leader

## Owl Team Goals

- The Owl Team will be monitoring the California Spotted Owl (*Strix occidentalis*) through the life of the SNAMP project in the northern site.
- Do forest fuel treatments have an effect on spotted owl territory occupancy and reproductive success?

## **Owl Team Activities**

- Owl Surveys
- · Pre-treatment vegetation sampling

University of Minnesota, Dept. of Fisheries, Wildlife & Conservation Biology

# Summary of Completed Fieldwork

- Completed 2 seasons of owl surveys (2007, 2008) on Last Chance Owl Study Area. 24 color-marked owls.
- Continued owl surveys on Eldorado Owl Study Area (1986 present). 89 color-marked owls in 2007, 2008.
- Seven SPLATs planned on the two owl study areas for 2008-2010 (including Last Chance project).
- Completed pre-treatment vegetation sampling in summer 2008 within six SPLAT sites on both owl study areas.
- Tentative sample size of 22 treatment and 32 control owl territories.

SNAMP Public Meeting

Sierra Nevada Adaptive Management Project

