

# San Vicente Redwood Restoration Intern

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## General Information

- Property: San Vicente Redwoods
- Landowners: Peninsula Open Space Trust and Sempervirens Fund
- Reports to: Property Manager, Nadia Hamey
- Hosted by and initial contact group: UCSC Greenhouse / Jim Velzy
- Email: [jhvelzy@ucsc.edu](mailto:jhvelzy@ucsc.edu)
- Stipend: \$300

### I. Basic Function and Purpose of Internship

The Restoration Intern (Intern) will assist the Property Manager with restoration of an area encroached on by invasive species on the San Vicente Redwoods property in Santa Cruz County, CA. Potential projects include the riparian corridor of San Vicente Creek, challenged by *Clematis vitalba*, *Cortaderia jubata*, and *Genista monspessulana*, and the PG&E Right-of-way challenged by repeat mowing and a wide variety of weedy species. The Intern will be responsible for mapping and applying integrated pest management techniques to control invasive plant populations, followed by planting appropriate species to re-occupy the site. The Intern will also be expected to collect seeds from the San Vicente Redwoods property and propagate seedlings in coordination with UCSC greenhouses, Jim Velzy, UCSC Greenhouse Director, Division of Physical and Biological Sciences.

### II. Project Overview

The San Vicente Redwoods property is an 8,532 acre forest preserve owned by a partnership of land conservation organizations. The property is divided up into three types of management zones representing three distinct land use practices: 1) Preservation Reserve, 2) Restoration Reserve, and 3) Working Forest, where ecologically sustainable timber harvesting will occur. The property spans a broad array of ecosystems, from a mature oak and madrone forest on the ridge at 2600 feet elevation, through chaparral and Douglas-fir forest to redwood forest and lush riparian areas along San Vicente Creek and Big Creek. The property is bordered on the west by Cal Poly's Swanton Pacific Ranch, (3,280 ac) and on the south side by BLM's Coast Dairies property (5,800 ac), and is the subject

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of a developing Public Access Plan. Opportunities for a variety of rewarding restoration projects exist at San Vicente Redwoods. Landowner to pay Stipend of \$5/hour for 60 hours.

**III. Essential Duties of This Internship**

- Assist Property Manager with the development of a plan to control invasive species in the riparian area of San Vicente Creek and/or the powerline corridor.
- Carry out integrated pest management techniques to control invasive plant populations in these areas, followed by planting appropriate species to re-occupy the site.
- Plant native plants grown from seed collected on site.
- With oversight from Jim Velzy, UCSC Greenhouse Director, cultivate propagation at UCSC greenhouses.

**IV. Knowledge and Skills Required**

- Knowledge of land management and natural resource issues.
- Proficient written and verbal communication skills.
- Computer literate, experience with GIS/GPS applications desirable.
- Familiarity and experience with nursery operations a plus.
- Valid California driver's license.
- ENVS 160 Restoration Ecology and BIOE 117L Systematic Botany

**V. Physical Requirements**

- Employee is required to speak, hear and have excellent vision.
  - Must be able to hike over rough terrain.
  - Must be able to drive and provide own transportation to San Vicente Redwoods property with valid insurance coverage.
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