

Title: San Vicente Redwoods Internship
Term: Quarterly, year-round. 4-hour shifts per week
Property: San Vicente Redwoods
Landowners: Sempervirens Fund and Peninsula Open Space Trust
Reports to: Beatrix Jiménez, Stewardship Associate, Sempervirens Fund
Hosted by: UCSC Greenhouses/Jim Velzy (jhvelzy@ucsc.edu)
Stipend: \$300

I. BASIC FUNCTION AND PURPOSE OF INTERNSHIP

The Restoration Intern (Intern) will assist the landowners and/or Property Manager with numerous restoration projects on the San Vicente Redwoods property, located just north of Davenport, CA. Potential projects include restoration of areas encroached on by invasive species, including significant involvement in a \$1.2 million, 3-year project to remove *Clematis vitalba* from 30 acres in the riparian corridor of San Vicente Creek. Other work may entail sensitive species monitoring, restoration forestry, wildlife imaging, and native species seed collection, propagation, and planting. The Intern will learn skills in land management, integrated pest management, and ecology, as well as the use of various technologies critical to conservation.

II. PROJECT OVERVIEW

San Vicente Redwoods is an 8,532 acre forest preserve owned by a partnership of land conservation organizations. The property is divided 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 ft 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 acres) and on the south by BLM's Cotoni-Coast Dairies National Monument (5,800 acres), and is the subject of a developing Public Access Plan. Opportunities for a variety of rewarding restoration projects exist at San Vicente Redwoods.

III. ESSENTIAL DUTIES

- Assist landowners/Property Manager with the control of invasive species on the property, with an emphasis on the riparian area of San Vicente Creek and/or the PG&E powerline corridor.
- Carry out integrated pest management techniques to control invasive plant populations, followed by planting native species to re-occupy the site.
- Participate in other restoration projects on the property as needed, including restoration forestry, stream rehabilitation, and prescribed burning.
- Cultivate propagation with oversight from Jim Velzy, UCSC Greenhouse Director.

IV. KNOWLEDGE AND SKILLS REQUIRED

- Knowledge of land management and natural resource issues.
- Proficient written and verbal communication skills.
- Valid California driver's license. Must be able to drive and provide own transportation to San Vicente Redwoods property (~20 min drive from campus) with valid insurance coverage.
- Familiarity and experience with nursery operations a plus.
- ENVS 160 Restoration Ecology and BIOE 117L Systematic Botany a plus.

V. PHYSICAL REQUIREMENTS

- Intern is required to speak, hear, and have excellent vision.
- Must be able to hike over rough, uneven terrain in various weather conditions.

