Title: Sandhills Restoration Intern
Term: Fall, Winter, Spring, and/or Summer Quarter (Ongoing)
Reports to: Jodi McGraw, Ph.D. (Jodi McGraw Consulting)
Hosted by and initial contact group: UCSC Greenhouses / Jim Velzy jhvelzy@ucsc.edu
Stipend: $500

I. BASIC FUNCTION AND PURPOSE OF INTERNSHIP
The Olympia Sandhills Restoration Intern will assist ecologist Dr. Jodi McGraw and Assistant Ecologists at Jodi McGraw Consulting with projects to restore habitat in the Santa Cruz Sandhills, including:
1. Collecting, cleaning, processing, and broadcasting the seed of native plants;
2. Propagating, planting, and irrigating native plants; and
3. Controlling invasive plant species.

Plant propagation will be conducted in coordination with the UCSC greenhouses, Jim Velzy, UCSC Greenhouse Director, Division of Physical and Biological Sciences.

II. PROJECT OVERVIEW
Jodi McGraw Consulting is implementing a series of sandhills conservation and restoration projects, including a multi-year project to restore mined habitat within the approximately 114-acre restoration area of the Olympia Quarry in Felton, CA. The work done by interns this 2015 will be part of a longer-term restoration effort designed to establish native plant species form the sandhills communities, including rare native plant species, in order to help recover four federally-listed endangered species. The native plants used in revegetation will come from site-collected seed sources in order to incorporate locally-adapted genetic complexes as well as prevent genetic erosion.

III. ESSENTIAL DUTIES OF THIS INTERNSHIP
- Assist Jodi McGraw Consulting with efforts to control invasive plants, including French broom and Portuguese broom, to promote establishment of native plants and restore habitat for endangered insects;
- Assist Jodi McGraw Consulting with efforts to collect native plant seeds and cuttings, sort and clean native plant seeds, install plants at the restoration site, and monitor revegetation; and
- With oversight from Jim Velzy, UCSC Greenhouse Director, cultivate seedlings of selected shrubs and/or trees at UCSC greenhouses.

IV. KNOWLEDGE AND SKILLS PREFERRED
- Knowledge and desire to learn 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.
- ENVS 160 Restoration Ecology and/or BIOE 117L Systematic Botany
V. REQUIREMENTS

- Must be available to work at least one four-hour period per week and two Saturdays during the quarter.
- Must be able to hike over rough terrain.
- Must have a vehicle with valid driver’s license and insurance coverage to be able to drive to field sites in the San Lorenzo Valley or have equivalent means of personal transportation.

To apply please contact Jim Velzy at jhvelzy@ucsc.edu and describe your qualifications and how this internship will help you achieve your desired goals.