

Cristian J. Singer  
Botanist  
11808 Red Dog Road  
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**Career Overview:** Since 1997, I have been conducting botanical surveys throughout California. I have worked in every major floristic region of the state and have held professional-level positions with federal agencies as well as private industry. Over the last ten years I have developed an effective skill set especially tailored to meet the demands of California's unique floristic, as well as regulatory, challenges. I employ the highest ethical and scientific standards in the course of my professional efforts.

**Services:**

- Focused botanical surveys for special-status plant species
- Floristic inventories, vegetation mapping, sampling and classification
- Routine and comprehensive wetlands delineation

**Knowledge, Abilities and Skills:**

- Conducting floristic surveys and focused special-status plant surveys in accordance with federal, state and local agency guidelines
- Conducting vegetation monitoring, sampling and mapping including the identification and assessment of plant communities and stand delineation in the course of collecting vegetation plot data to quantify vegetation and land cover
- Utilizing the current techniques and methodologies applied by the Army Corps of Engineers to establish jurisdictional boundaries of wetlands and other waters of the U.S.
- Utilizing dichotomous keys to facilitate accurate and timely identification of plant specimens (including grasses, sedges and rushes) in the course of botanical surveys, vegetation community sampling and wetlands delineation
- Establishing permanent frequency and green-line vegetation plots within meadow and riparian wetlands
- Examining and documenting site-specific soils conditions including the presence or absence of redoximorphic features
- Mapping, navigating and documenting plot location data using Trimble GeoXT hand-held and back pack units
- Communicating and coordinating with multidisciplinary professionals in order to complete project goals in a timely manner
- Managing project timelines and producing accurate cost estimates
- Preparing and reviewing technical reports and documents
- Maintaining a safe and productive working environment
- Supervising and training less experienced personnel

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**Professional Experience:**

(References available upon request)

- **02/2006 – Present: Botanist.** Independently contracted throughout California and southern Oregon to conduct special-status plant surveys, floristic inventories and wetlands delineation.
- **06/2003 – 01/2006: Botanist.** Foothill Associates, Rocklin, California. Location: Sierra Nevada Foothills, Great Central Valley and surrounding environs. Botanist and wetlands delineation technical lead. Duties involved conducting focused surveys for special-status plant species, wetlands delineation and vegetation mapping.
- **05/2002-10/2002: Botanist.** U.S. Forest Service, Susanville, California. Location: Lassen National Forest. Project: Sensitive Plant Management Program. Lead botanist for team conducting special-status plant surveys and comprehensive floristic surveys forest-wide.
- **04/2001 - 10/2001: Botanist.** U.S. Forest Service, Nevada City, California. Location: various National Forests throughout California including Los Padres National Forest, Lassen National Forest, Sierra National Forest, Mendocino National Forest, Cleveland National Forest, Shasta-Trinity National Forest, Six Rivers National Forest. Project: Region 5 Meadow and Riparian Study. Lead botanist for team conducting frequency and green-line sampling within meadows and riparian areas.
- **11/2000 - 01/2001: Botanist.** U.S. Geological Survey, Flagstaff, Arizona. Location: Death Valley National Park. Project: Furnace Creek Vegetation Mapping Project. Lead botanist conducting the location and assessment of wetlands associated with an extensive system of seeps and springs in preparation for production of a detailed vegetation map of the study area and surrounding environs.
- **05/2000 - 10/2000: Botanist.** U.S. Forest Service, Nevada City, California. Location: various National Forests throughout California including Los Padres National Forest, Lassen National Forest, Sierra National Forest, Mendocino National Forest, Cleveland National Forest, Shasta-Trinity National Forest, Six Rivers National Forest and Inyo National Forest. Project: Region 5 Meadow and Riparian Study. Lead botanist for team conducting frequency and green-line sampling within meadows and riparian areas.
- **04/2000 - 05/2000: Botanist.** U.S. Geological Survey, Flagstaff, Arizona. Location: Mojave National Preserve and surrounding environs. Project: Mojave Vegetation Mapping project. Lead botanist testing preliminary vegetation map of the Mojave Desert region for accuracy.
- **05/1999 - 10/1999: Botanist.** The Nature Conservancy, San Francisco, California. Location: Yosemite National Park and surrounding environs. Project: Yosemite National Park Vegetation Mapping Project. Lead botanist for team conducting botanical investigations, studies and surveys such as vegetation sampling.

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- **03/1999 - 05/1999: Biological Science Technician – Plants.** Bureau of Land Management, Bakersfield, California. Location: Carrizo Plain National Monument. Project: Sensitive Plant Management Program. Primary duties involved conducting field surveys for populations of sensitive, threatened and endangered plant species.
- **12/1997 - 06/1998: Biological Sciences Technician – Plants.** U.S. Geological Survey, Flagstaff, Arizona. Location: Mojave Desert, including Death Valley National Park, Mojave National Preserve, Joshua Tree National Park, and Inyo National Forest. Project: Mojave Vegetation Mapping project. Primary duties involved conducting botanical field investigations, studies and surveys such as vegetation sampling.
- **09/1997 - 12/1997: Fall Intern.** Yerba Buena Native Plant Nursery, Woodside, California. Duties included collection of plant seed material for propagation, identification of California native plants and maintenance of nursery stock.
- **09/1994 - 05/1995: Herbarium Assistant.** Humboldt State University, Arcata, California. Duties included maintenance of and re-labeling the vascular plant collection.

**Education:** B.S. Environmental Biology, Humboldt State University, CA, 1996. Earned 29 Semester units in botany including but not limited to the following courses:

- Agrostology
- Plant Taxonomy
- Plant Anatomy
- Plant Morphology
- Forest Pathology
- Plant Physiology
- Ethnobotany
- Native Plants and Wildflowers
- Introduction to Botany
- Forests and Culture

**Other:**

Member of California Botanical Society

Member of California Native Plant Society

Member of California Native Grassland Association

Member of Northern California Botanists

Member of Society of Wetland Scientists

Collection Permit for State Designated Endangered, Threatened and Rare Plants (#07003)

Successfully completed wetlands delineation training course, 2003

Successfully completed advanced hydric soils training course, 2005