

California Botanic Garden

1500 North College Avenue, Claremont, CA 91711-3157 · Phone 909-625-8767
calbg.org

TITLE: Conservation Botanist (GIS Specialist)

DEPARTMENT: Biodiversity Research and Conservation

STATUS: Full Time

REPORTS TO: Director of Conservation Programs

Position Overview:

Under the supervision of the Director of Conservation Programs at California Botanic Garden (CalBG) and in coordination with the conservation team, the Conservation Botanist (GIS Specialist) will manage and create spatial data, and participate in field research and conservation projects including: general floristic surveys, focused surveys of rare plants species, rare plant monitoring, seed collecting, and other field research activities as needed. The Conservation Botanist will work in a team to coordinate and organize GIS data for a diversity of conservation projects. Specific duties include spatial data management and organization, participation in field work, creation of species distribution models, participation in field projects, supervision of field technicians and interns; communication with external conservation partners, and personnel from other institutions; plant identification, data entry, and labeling of field collections; literature review; and writing of technical reports and scientific publications. This position is estimated to be 50% office work (e.g. GIS data management and reporting) and 50% field work.

Duties and Responsibilities

- Under participating agreements, grants and contracts between CalBG and a diversity of partners including the Bureau of Land Management, California Department of Fish and Wildlife, National Fish and Wildlife Foundation, National Forest Foundation, U.S. Forest Service, U.S. Fish and Wildlife Service, and others, assists in the execution of the annual program of work to support our mission of plant conservation at CalBG.
- Curates and organizes spatial data for a diversity of projects including geodatabase development. Preparing GIS data and maps and implementing a workflow for spatial data processing across the conservation department. Prepare spatial data for submission to conservation partners.
- Working independently and in association with garden staff, and personnel from other institutions, coordinates and participates in conservation projects between CalBG and other agencies or organizations, including botanical surveys, seed collecting activities, and rare plant inventory and monitoring projects.
- Work in coordination with other staff to organize field schedules, equipment, and supplies; and supervises field teams.
- Coordinates and participates in data management, data entry, and mapping associated with field projects.
- Assists in preparation of written reports and other documents for field projects for submission to conservation partners.

- Identifies field collections, enters specimen data, and generates specimen labels for submission to the CalBG collections.
- Assist with supervision and training of staff and interns.
- Participates in institutional, professional, societal, national, and international meetings, symposia, and workshops directly related to work as needed.

Qualifications:

- Master's degree in botany, biology, or equivalent environmental science is required, **or**
- Bachelor of Science in botany, biology, or equivalent environmental science with four years or more of relevant experience.
- Experience using ArcGIS Pro, ArcGIS Online, ESRI Collector, and ArcGIS Field Maps including experience maintaining/populating databases is required.
- Ability to work successfully with a dynamic team, and work independently with minimal supervision is critical.
- Strong writing and verbal skills are required.
- Willingness to conduct overnight field work in remote locations is required.
- A working knowledge of basic taxonomic principles and characteristics of major plant families and California flora is required.
- Experience operating a 4WD vehicle desired
- Valid driver's license and a clean driving record.

Physical demands

- Ability to conduct fieldwork under a variety of environmental conditions (heat, cold, rain, wind, etc.) is required.
- Must have physical strength and endurance sufficient to carry field equipment and supplies and hike over steep, and rugged terrain. Work may include bending and squatting on uneven terrain for extended periods of time.
- Sitting for up to 2 hours at a time and using a computer for lengthy periods

Salary Range

\$19.00 - \$23.00 per hour, depending on experience

Qualified candidates please send cover letter and resume to:

California Botanic Garden

Attention: Naomi Fraga

conservation@calbg.org

1500 N College Avenue, Claremont, CA 91711

Fax to (909) 626-3489
