



Cal-IPC

Mapping Program Manager

California Invasive Plant Council

Berkeley, CA

Position: Full-time for 2-years with extension pending additional funding
Salary: \$50-\$60k plus benefits, commensurate with experience
Education: Bachelor's or Master's degree
Location: Berkeley, CA
Reports to: Executive Director
Posted: January 21, 2010
Start Date: February or March, 2010. Review of applications will begin February 1.

Overview:

The California Invasive Plant Council (Cal-IPC) is a nonprofit organization working to protect California's wildlands from invasive plants through research, restoration, and education. We serve a statewide membership of 1,000 land managers, researchers, students, and concerned citizens. Along with an annual conference and field courses throughout the year, we maintain programs focused on the science and policy of addressing invasive plants. We are in an exciting period of growth—in 2010, we expect to add three new staff members to our existing staff of four. Please see www.cal-ipc.org for more information about our mission and programs.

Position Purpose:

Oversee statewide invasive plant mapping effort. Includes working with staff and contractors to collect data in partnership with local land managers, integrate into GIS, and develop an interactive online data system. Some travel required for meetings, conferences, and field work.

Duties:

Primary Program:

- Collect data on invasive plant distribution from local resource managers statewide, and supervise one or more assistants who travel extensively to collect data
- Guide contractors in the design and construction of an online mapping system that provides distribution data and tools to support land management decisions
- Integrate habitat suitability modeling to strengthen predictive capacity
- Communicate with program steering committee, guide collaborative strategic planning
- Track timelines and budgets, file progress reports, meet project deadlines

General Mapping:

- Generate maps and data results for posters, reports, and presentations

- Design and compile a database of base maps for Cal-IPC mapping work
- Prepare metadata and other documentation for current and legacy data
- Administer, maintain, and troubleshoot GIS hardware, software, and data; research and recommend new purchases as needed
- Develop protocols for long-term GIS data collection at Cal-IPC
- Provide GIS support to staff, project team, collaborators, and organized trainings
- Assist the Training Program Manager in the development of weed mapping curriculum
- Identify synergistic opportunities for collaboration, foresee new applications for Cal-IPC's geospatial products, provide leadership in developing long-term strategies to take advantage of evolving spatial technologies
- Assist Executive Director in preparing materials for mapping-related grant proposals

Qualifications:

This position requires initiative and creativity to develop a new program with significant deliverables within the next two years, while also working collaboratively to maintain a collective vision with our diverse steering committee. Applicants must have three years experience in conservation GIS, with:

- Proficiency in ArcGIS and relational databases, including conversion, analysis, management and graphical representation of spatial data sets derived from cartographic and tabular source material, as well as experience automating data processing tasks and using geoprocessing tools for spatial analysis
- Background in natural resource applications of conservation GIS, with knowledge of California geography, ecosystems, botany, and natural resource organizations
- Familiarity with GPS data collection for natural resources applications
- Ability to interact well with diverse natural resource managers throughout the state who will be the chief source of data
- Attention to detail, highly organized, friendly professional manner
- Strong communication and writing skills
- Flexibility to take on diverse assignments as needed

Additional desired qualifications include: experience in geospatial programming for online applications including ArcGIS Server, Google Maps API development, SQL database, JavaScript, Drupal; knowledge of data standards for invasive plant mapping.

Benefits:

Cal-IPC offers a competitive benefits package, including health insurance and a retirement savings plan.

How to Apply:

Cal-IPC is an equal opportunity employer and diversity is a core value. Send cover letter, resume, writing sample and list of 3 references to jobs@cal-ipc.org with subject line of "Mapping Program Manager". Feel free to send a map or link to your work.