



CONSERVATION GIS INTERNSHIP

Fall 2017

We are looking for someone to join our team as the Conservation GIS Intern. This is an excellent opportunity for someone working toward a bachelor's or master's degree in GIS or environmental science and who shows initiative, an eagerness to learn, and is enthusiastic about Bay Area parks, open space, and ecological diversity. The Bay Area Open Space Council has a well-established track record for spatial analysis and conservation planning, and this position will be part of the next phase of growth as the Council expands its flagship product, the Conservation Lands Network. The GIS Intern will work 10-20 hours per week and will work directly with the Director of Conservation, Science, and Innovation.

What you'll get

- Practical skills and knowledge of geospatial tasks and techniques in land conservation
- Familiarity with common and uncommon environmental data resources
- Exposure to the Bay Area's parks and land conservation community
- Experience working with a small team of professionals and exposure to the David Brower Center community, 65 Open Space Council member organizations, and many partners
- Experience with an established conservation science program

Functions

- Assist the core team with preparing to run a 10-county spatial habitat prioritization model by:
 - Updating a collection of over 150 datasets via direct contact with local/state/federal government partners, NGOs and others and through Internet searches
 - Data pre-processing and QA/QC (geospatial and tabular) using automated tools and manual techniques
 - Collection and analysis of other data as directed
- Participate in Conservation Lands Network Science Expansion core team meetings as appropriate

Qualifications

- Demonstrated proficiency with Esri ArcGIS 10.2 or higher, including but not limited to inspecting, creating, and editing geospatial data, building and working in geodatabases, and performing spatial analysis using built-in tools and functions
- Experience collecting, managing and processing geospatial and tabular data (including understanding projections, geodatabase structure and data management concepts)
- Excellent communication skills – both written and verbal
- Experience writing summaries or metadata documents helpful
- Demonstrated ability to balance working efficiently with attention to detail



- Experience working successfully in a team environment
- Must be able to work onsite at the David Brower Center office in Berkeley

Timeline and compensation

Open until filled. Internship is roughly September – January. Start/end dates and hours/week are negotiable. There is a stipend for this internship.

Apply

Send resume and cover letter to hr@openspacecouncil.org. Include “Conservation GIS Intern” in the subject line of your email. Please include how you found out about this internship, your goals, and time availability (duration, desired schedule, and availability to work in our office) in your cover letter. No phone calls please.

About the Bay Area Open Space Council

Together, with its member organizations and partners, the Bay Area Open Space Council is actively involved in permanently protecting and stewarding parks, trails, and agricultural lands in the ten-county San Francisco Bay Area. We are a small nonprofit organization with big ideas and a wide reach. Our office is in the David Brower Center in downtown Berkeley.

About the Conservation and Science Program

The goal of the Conservation and Science Program is to position the Council as a regional thought leader that develops, translates and disseminates respected, useful, practical and authoritative scientific data and analysis. Our work leads to more effective practices, management and policy decision-making for land conservation in the Bay Area, and brings a funding advantage to the region's land conservation organizations and agencies. The Conservation and Science Program also serves the Council's other program areas by providing information, content and analysis to the organization's work products. To achieve this goal, we:

- 1) Work with experts and practitioners to produce regional biodiversity priorities based on rare habitats, riparian areas and wildlife corridors.
- 2) Maintain and serve strategic conservation planning data—such as preserving land for biodiversity, adapting people and wildlife to climate change, ameliorating drought, protecting food production capacity, and increasing public access to land—that enhances the crucial work of local land conservation organizations and natural resource agencies.
- 3) Produce compelling, data-driven statistics, reports and web content that influence perceptions about the value of open space to Bay Area residents.

More on the project you would be working on

The Conservation Lands Network (CLN) sets a vision for biodiversity preservation in the Bay Area. It represents a mosaic of over 2 million acres of interconnected lands identified as the types, amounts, and distribution of habitats needed to sustain diverse and healthy upland ecosystems in the Bay Area. The culmination of five years of work by 125 experts,



the CLN unites the conservation community towards a common goal using shared priorities and geographic data, which are accessed through the innovative online mapping application called the Explorer Tool (at www.bayarealands.org). The CLN has nearly 800 registered users from 90 different organizations and is used to inform conservation investment decisions and influence policymakers and regional leaders, giving users powerful data about regionally significant resources that are essential to protect from development.

Find us online:

- Websites: openspacecouncil.org | bayarealands.org
- Blogs: openspacecouncil.org/blog | bayarealands.org/#blog
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