

December, 2019

TITLE: GIS Analyst & Project Manager
POSITION CLASSIFICATION: Part-time, Temporary
LOCATION: Santa Barbara County, California
START DATE: As soon as position is filled. Interviews are on a rolling basis.

POSITION OVERVIEW

Skillfully use existing knowledge to build, maintain, modify, and use GIS databases in spatial modeling to address problems in conservation science in collaboration with various stakeholders. Professionally facilitate local projects. Strong people skills required.

POSITION BACKGROUND

The [Santa Barbara County Conservation Blueprint](#) was developed in partnership with Santa Barbara Foundation's (SBF) LEAF initiative (Landscapes, Ecosystems, Agriculture, and Food Systems), the Cachuma Resource Conservation District (CRCD), the Land Trust for Santa Barbara County (LTSBC), and the Blueprint Steering Committee. Currently we are working on flagship projects using the Blueprint [Atlas](#) to share, compile, and plan projects focused on landscape conservation issues such as Climate Resiliency, Parks and Recreation Planning, Agricultural Land Use, Fire Mitigation Mapping, and Ecosystem Restoration. An example of [one such flagship project](#) involves citizen science and building a spatial decision support system.

The position will need someone to work with the clients on the project (LTSBC, CRCD, and SBF) and all of the flagship project partners (Santa Barbara Botanic Garden, Wood Environmental, County Parks and Rec, CRCD, and many others). The person will implement various GIS analyses and models, upload these to the Atlas, provide presentations of the Atlas at various outreach events, and provide technical assistance and trainings. The person will also perform the website updates (Wordpress) after any necessary training.

POSITION TYPE/EXPECTED WORK HOURS

This is a temporary part-time position. Estimated hours will average 25 hours per week. Transition to a full-time permanent position is possible, and could include work on other [Conservation Biology Institute](#) Projects.

COMPENSATION

Hourly rate between \$28 to \$32 per hour depending on experience. Position includes accrued sick leave in accordance with California Paid Sick Leave Law. Full benefits would be provided if the job transitions into a full-time position.

DESCRIPTION OF DUTIES

GIS ANALYSIS AND MODELING

Analyze Geographic Information Systems (GIS) data to identify spatial relationships or display results of analyses, using maps, graphs, and tabular data.

Maintain or modify existing GIS databases.

Design and coordinate the development of integrated GIS spatial and non-spatial databases.

Design and prepare graphic representations of GIS data, using GIS hardware and software applications.

Analyze GIS data for a wide range of applications, including in a conservation setting to promote better land use and conservation planning and reduce environmental impacts of development.

Research, acquire, and process data from various sources to be used in analyses.

PROJECT MANAGEMENT AND OUTREACH

Present projects, website and Atlas for public engagement.

administrative support such as managing meeting logistics and electronic file maintenance.

Develop and maintain a network of scientists, partners, and potential clients.

Confer with project technical lead to provide technical advice to clients and the public, and to resolve problems.

Establish and maintain effective working relationships with clients and stakeholders and use these relationships to develop new business opportunities.

Confer with client and project personnel to establish deliverables and plans for future projects.

Manage project execution to ensure adherence to budget, schedule, deliverables, and scope.

REQUIRED EDUCATION AND EXPERIENCE

Master's degree in GIS or related field or 2 years or more of related experience.

KNOWLEDGE, TECHNICAL SKILLS, AND ABILITIES

Use strong written and verbal communication skills.

Understand spatial sciences and their applications.

Understand the fundamentals of GIS, cartography, and associated computer software including ArcGIS, and ArcGIS Model Builder.

Python programming is a valuable skillset but not a requirement

Use ArcGIS analysis to identify complex environmental issues and review related information to develop, evaluate, and communicate alternate options to end users.

Understand the theory and principles of conservation biology as it relates to landscape-level analysis and interpretation.

Adapt work and communication style to best fit new processes, procedures, and business needs.

Use critical thinking to identify alternative solutions, conclusions or approaches to problems.

Have broad understanding of the politics, science, and practice of conservation, with understanding or experience with agricultural sustainability being especially important.

HOW TO APPLY

Mail a cover letter and resume or C.V. to john.gallo@consbio.org, and cc pfrost@consbio.org.