



# EMPLOYMENT OPPORTUNITY

September 2022

## GIS Analyst

(Associate Scientist/Engineer)

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Interested in a career in geospatial data science, supporting water quality scientists and environmental engineers in the San Francisco Bay Area? We're looking for motivated individuals interested in joining our team of highly experienced engineers, scientists and planners that work to improve water quality and the health of our surface waters in the Bay Area, Northern California and throughout the State.

### About the Position

We're excited to announce a job opportunity for Geographic Information Systems (GIS) Analyst who will work out of our Oakland office (or hybrid remote and office) on geospatial information management and analysis tasks that support water quality monitoring/assessment, pollutant source identification and control, and data/information management and analytics projects. The successful candidate will focus on geospatial data creation, management, and processing to help our public agency clients improve the quality of surface waters (e.g., local creeks and the San Francisco Bay) and the quality of life of Bay Area residents through the identification of current or potential impacts of stormwater (urban runoff) and by assisting with the identification and implementation of controls that address hydrologic and pollutant impacts to these natural resources. The GIS Analyst will work with an experienced team of GIS professionals and under the direction of industry-leading scientists and engineers, most with advanced degrees and over 20 years of experience.

### Responsibilities

This position will include conducting desktop GIS and information management tasks. Responsibilities may include the following:

- Conducts complex spatial/surface analysis using a variety of GIS software tools; utilizes multiple databases and GIS software to perform spatial analysis for projects involving major service area.
- Analyzes and communicates GIS resource needs and implements GIS projects and applications, databases, and related products for EOA clients; prepares and coordinates project scopes, procedure flow-charts, and schedules with EOA staff and clients.
- Performs GIS database management and administration tasks; troubleshoots and resolves database problems; monitors and tunes database applications; verifies the integrity of data within the database.
- Designs and modifies database structures, tables, and files.
- Interacts with clients to determine their business requirements and writes computer programs and/or scripting in order to automate GIS processes.
- Troubleshoots hardware and software problems; provides or recommends appropriate solutions and keeps current on the latest computer hardware and software available.
- Evaluates operations and makes strategic recommendations about EOA's GIS program direction and GIS project priorities. Develops operating standards and procedures.
- Creates and edits geospatial data, using GPS and digitizing techniques; creates and edits maps, integrating a range of data formats, and using state-of-the-art technology.

- Attends training meetings to enhance knowledge of GIS system use; applies and documents new techniques as they are implemented.
- Provides technical and functional supervision of EOA's GIS program staff.
- Develops and generates custom maps to meet specific client/project requirements; researches and responds to client requests for information.
- Perform quality assurance and quality control on incoming and existing geospatial data sets and provide oversight over data management protocols.
- Assists in developing and presenting materials to clients, regulators, the general public, and at professional conferences.
- Performs related duties as assigned.

The position will work out of our Oakland office, a converted turn-of-the-century mansion, which is just a few blocks from downtown Oakland BART. Options for hybrid (work-from-home and office) work arrangements are available.

### Required Qualifications

- A Bachelor's Degree in GIS, Computer Science, Geography, Earth Science, Urban Planning, Mathematics, Engineering, Physical Sciences, Environmental Science, Geology or related field.
- Proficient in the use of ArcGIS software and applicable extensions.
- 3+ years of experience working directly with geospatial data.
- Strong working knowledge of geospatial data collection and analysis methods and their related benefits and limitations.
- Excellent written and verbal communication skills.
- Experience in using Microsoft Office applications, especially Word, Power Point, and Excel.
- A valid California driver's license and the willingness and ability to carry at least 50 lbs.
- Fully vaccinated against COVID-19, consistent with EOA's COVID-19 Prevention Program.

### Desired Qualifications

- Possession of one or more approved GIS or other relevant certificates and/or completion of other approved technology-related training.
- Experience in software development and/or coding/programming.
- Experience in using website development software/applications.
- Experience with technical writing and the ability to effectively communicate technical information to technical and non-technical audiences.
- Experience in successfully developing and giving presentations at meetings and conferences that communicate technical results and conclusions.

### About EOA

EOA is a multi-disciplinary environmental consulting firm that specializes in water quality stewardship. We combine sound science and engineering with regulatory expertise, collaborative problem-solving skills and public policy savvy to deliver cost-effective, innovative and practical solutions to today's water quality challenges. For over 30 years we have helped a wide range of public agencies, private businesses, and other organizations in the San Francisco Bay Area and throughout California to protect, restore and enhance the water environment, while complying with State and Federal environmental regulations. Our exceptional technical staff of roughly 30 engineers, scientists, and planners, most with advanced technical degrees and over 10 years of consulting experience, have led in the development and

implementation of award-winning water quality control and monitoring and assessment programs, and successfully conducted studies and policy-initiatives designed to protect and restore fish and wildlife in California. With a focus on public agency assistance, we've created and assisted cities and counties in managing the impacts of stormwater and wastewater on local creeks, rivers, estuaries and the Pacific Ocean through innovative techniques such as green stormwater infrastructure. We've also provided invaluable services to resource managers by conducting risk assessments and identifying pollutant control programs and watershed management actions needed to evaluate practical solutions to challenging water quality problems. Data and information collected through these efforts is easily accessible to our clients through our advanced information management systems.

EOA provides employees with great benefits and a comfortable and supportive work environment. We recognize the need for a work/life balance and encourage our staff to keep fit by exploring the path around Lake Merritt and to take advantage of the many lunch spots nearby. EOA offers a highly competitive compensation and benefits package, including the following benefits:

- Medical
- Flexible Spending Account
- 401K retirement plan
- Profit Sharing
- Paid Time Off
- Paid Holidays
- Life Insurance
- Long and Short-Term Disability Insurance
- Workers Compensation Insurance
- Professional Development

EOA is committed to continuing our employees' development. We actively support professional development through participation in professional associations, encourage staff to present findings at industry conferences, and give staff the opportunity to attend short courses, conferences and workshops. EOA, Inc. is an Equal Opportunity Employer and Prohibits Discrimination and Harassment of any kind. EOA is committed to the principle of equal employment opportunity for all employees and to providing employees with a work environment free of discrimination and harassment. All employment decisions at EOA are based on business needs, job requirements and individual qualifications, without regard to race, color, religion or belief, family or parental status, or any other status protected by the laws or regulations in the locations where we operate. EOA will not tolerate discrimination or harassment based on any of these characteristics. EOA encourages applicants of all ages.

EOA, Inc.  
1410 Jackson Street  
Oakland, CA 94612  
[careers@eoainc.com](mailto:careers@eoainc.com)