



WALLA WALLA COUNTY

P.O. Box 1506 □ Walla Walla, Washington 99362
Phone: (509) 524-2600 □ Fax: (509) 524-2603



EMPLOYMENT OPPORTUNITY

Technology Services Department

Position: Geospatial Data Analyst
Salary Range: \$5,087/month to \$6,821/month; Starting Salary DOQ, DOE
Location: Technology Services Department
Employment Type: Full-time (40 hours/week); FSLA non-exempt
Courthouse Union, Benefits Apply; Open Until Filled

Full Time Benefits Include: • County pays \$1,500 per month towards medical, dental, vision, life insurance and employee assistance program for employee and eligible family members • Retirement: Walla Walla County full time employees are eligible for Washington State Department of Retirement Services (DRS) • HRA Veba account: Employer contribution may apply • Wellness program • Access to MetLife Pet Insurance • Deferred compensation plans offered • Twelve paid holidays annually • Vacation accrual based on seniority (see Union Contract) • Benefited employees shall accrue sick leave benefits at the percentage rate of hours worked per week, to a maximum of eight (8) hours earned per month based on a forty (40) hour workweek but not less than one (1) hour per every forty (40) hours worked per County Policy 30.05.0

Visit [Walla Walla County Website](http://www.walla-walla.wa.us) for detailed benefits information

Brief Duties and Responsibilities: The Geospatial Data Analyst work will be at the intersection of cartography, programming, and data analysis. This position will analyze spatial data through mapping software (ESRI) and design digital maps with geographic data and various other data sets. This position is tasked with discovering patterns and trends through spatial mapping and developing mapping applications and tools and managing a digital library of geographic maps in various file types. This position will be the single author of City and County address data points derived from all available data.

Working Environment/Physical Abilities: Work is performed in an office environment. There is a substantial amount of sitting at a personal computer for somewhat extended periods. The incumbent may meet frequently with citizens. The physical abilities described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. While performing the duties of this job, the employee is regularly required to walk, sit, write, hear, speak, and lift up to 50 lbs. of unequal weight. Specific vision abilities required by this job include close and distance vision, peripheral, depth perception. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Minimum Qualifications: A 4-year degree in GIS and a minimum of 2 years of experience in the GIS field OR any combination equivalent to 6 years of GIS or MSAG experience, education, or listed preferred certifications: GIS Professional (GISP), International Code Council (ICC) certification related to GIS, ArcGIS Pro Foundation certification or similar Esri Technical certification.

Licenses, Certifications and Other Requirements: Possession of a valid driver's license or the ability to obtain one is required. Must successfully pass a background check and driving record check. Must become CJIS level 4 certified within 6 weeks of being hired. GIS technical certifications are highly desirable.

For Application: Application, resume, and cover letter required. Job description is available on our website at www.co.walla-walla.wa.us where you can apply online.

SELECTION IS BASED ON QUALIFICATIONS, BACKGROUND CHECK, DRIVING RECORD CHECK, AND ORAL INTERVIEWS.

EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER / ADA COMPLIANT



GENERAL INFORMATION FOR APPLICANTS

EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER: All qualified persons will be considered for employment without regard to race, color, religion, sex, nationality, origin, age, political affiliation, disability status or any other non-merit factor. Women, disabled persons, members of ethnic minority and other under-represented groups are encouraged to apply.

APPLICATIONS

FILING OF APPLICATION: Applications must be completed in accordance with the directions on the front of the announcement. Applicants are responsible for the truth of all statements. Misrepresentations, incomplete or inaccurate entries may be the cause for application rejection, removal from the employment list or discharge from County service. A background investigation will be conducted along with reference and former employer checks, driving record, and criminal history if applicable to requirements of the job. Applications must be received or postmarked by the last date for filing applications.

CHANGE OF ADDRESS: Applicants are responsible for notifying the hiring department of any change of address or telephone number.

NOTIFICATION: Unsuccessful candidates will be notified by mail as soon as feasible following the final selection decision.

EMPLOYMENT

ELIGIBILITY LISTS: Walla Walla County reserves the right to establish an eligibility list to fill any vacancies that may occur in the posted position for a period up to twelve (12) months.

NOTE: The provisions of this bulletin do not constitute an expressed or implied contract. Any provision contained herein may be modified and/or revoked without notice. Walla Walla County is committed to a drug, alcohol, and smoke free environment.

Mailing Address:
Human Resources/Risk Manager
P. O. Box 1506
Walla Walla, WA 99362

Human Resources/Risk Manager
314 W Main Street, 2nd Floor
Walla Walla, WA 99362
Phone: (509) 524-2600
Fax: (509) 524-2603
Web site: www.co.walla-walla.wa.us

Walla Walla County Position Description

JOB TITLE: Geospatial Data Analyst

DEPARTMENT: Technology Services

REPORTS TO: Technology Services Director

PAY GRADE: 6, Full-time (40 hrs./wk.); Benefits Apply; Courthouse Union

JOB SUMMARY: The Geospatial Data Analyst work will be at the intersection of cartography, programming, and data analysis. This position will analyze spatial data through mapping software (ESRI) and design digital maps with geographic data and various other data sets. This position is tasked with discovering patterns and trends through spatial mapping and developing mapping applications and tools and managing a digital library of geographic maps in various file types. This position will be the single author of City and County address data points derived from all available data.

SUPERVISORY RESPONSIBILITIES: N/A

ESSENTIAL FUNCTIONS:

- Analyze geographical data from various sources and then visualize the data in the form of digital and physical maps.
- Use specialized mapping software (primarily Esri software) to create digital maps of an area using geographic data.
- Integrate and analyze geospatial data from various sources, including satellite imagery, GPS and geotagging.
- Update physical maps with new/relevant data points ensuring accurate and up-to-date representations of geographical features such as parcels, roads/streets, address points and similar.
- Create detailed reports for City, County and civilian use that includes mapping data and insights.
- Programming: works directly in structured query language (SQL) adjusting data, pulling data for reports and validating the data stored in the SQL database.
- Works extensively in Python and “R” for statistical computing, data mining and data analytics.
- Develop, coordinate, assess and sustain a comprehensive county-wide addressing system that complies with local and state regulations.
- Provides a high-level of customer service which includes working with internal and external customers, processing orders and transactions, resolving and troubleshooting issues and reliably and accurately delivering timely information.
- Provide support in developing protocols, timetables, and financial plans for the upkeep of geospatial hardware and software.
- Ensure the maintenance, upkeep and accuracy of the MSAG database.

- Manage data sharing and workflows between Federal, State, Local and civilian partners.

EXAMPLES OF DUTIES:

- Allocate geospatial identifiers to new and existing constructions that occur within Walla Walla County.
- Write custom queries to extract specific data sets.
- Write Python scripts for advanced spatial analysis such as calculating distances and areas, performing overlay analysis and analyzing spatial patterns.
- Keep an updated list of County roads that comply with MSAG requirements; refresh the contact database responsible for disseminating this information via the telephone system; input new road names and details.
- Record tasks carried out in a manner that is both technical and non-technical for the purpose of monitoring work progress and facilitating potential problem-solving.
- Coordinate the resolution of addressing issues involving emergency services, other agencies, involved entities, and Walla Walla County residents.
- Regularly participate in online and face-to-face meetings on data analysis, mapping, and MSAG for E911 and Emergency Management.
- Sustain, refresh, and provide support for both physical and virtual GIS infrastructure, encompassing updates to hardware and software.

EQUIPMENT TO BE USED:

- Computer and related software
- Various printers, scanners and plotters
- GPS unit
- Motorized vehicles

WORKING ENVIRONMENT/PHYSICAL ABILITIES:

Work is performed in an office environment. There is a substantial amount of sitting at a personal computer for somewhat extended periods. The incumbent may meet frequently with citizens. The physical abilities described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. While performing the duties of this job, the employee is regularly required to walk, sit, write, hear, speak, and lift up to 50 lbs. of unequal weight. Specific vision abilities required by this job include close and distance vision, peripheral, depth perception. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

KNOWLEDGE AND ABILITIES:

- Mastery of GIS software and tools such as ArcGIS, QGIS, and GRASS.
- Ability to work with diverse raw data, such as satellite images, land surveys and aerial photographs (orthography), and the ability to discern the difference between raw data sources.
- Adeptness in handling databases that house geographical data combined with a strong command of programming languages, such as SQL, Python that enhance your capacity to

harness, present and/or modify geographical data as needed.

- The ability to process, examine, model and interpret patterns and relationships in spatial data.
- Confidently present geospatial data in a visual format, through the use of physical and digital maps, charts and 3d models.
- Strong analytical and problem-solving skills.
- Understanding of Geographic Information Systems and spatial analysis software.
- Ability work with large, complex data sets and manage large data files
- Ability to translate data from one format to another.
- Ability to work independently and/or as a part of a larger team that could encompass external entities such as Federal, State, Local and citizen coalitions.
- Understanding state and local laws, ordinances, and resolutions.
- Other duties as assigned.

EXPERIENCE, EDUCATION AND TRAINING:

A 4 year degree in GIS and a minimum of 2 years of experience in the GIS field OR any combination equivalent to 6 years of GIS or MSAG experience, education, or listed preferred certifications:

- GIS Professional (GISP)
- International Code Council (ICC) certification related to GIS
- ArcGIS Pro Foundation certification or similar Esri Technical certification

LICENSES, CERTIFICATIONS AND OTHER REQUIREMENTS:

- Possession of a valid driver's license or the ability to obtain one is required.
- Must successfully pass a background check and driving record check.
- Must become CJIS level 4 certified within 6 weeks of being hired.
- GIS technical certifications are highly desirable.

THIS POSITION DESCRIPTION DOES NOT CONSTITUTE A CONTRACT FOR EMPLOYMENT