

Mission Sensor Operator, Photogrammetrist 2

Salary

\$62,892.00 - \$84,516.00 Annually

Location

Thurston County – Olympia, WA

Job Type

Seasonal

Job Number

2024-6-A383-06879

Department

Dept. of Natural Resources

Opening Date

06/11/2024

Closing Date

7/2/2024 11:59 PM Pacific

Salary Information

The high end of the salary range, Step M is typically a longevity step

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Description



Mission Sensor Operator, Photogrammetrist 2

Recruitment #20246-A383

Full-time, Seasonal, Represented position

Anticipated Seasonal employment is March-November

Location: Olympia, WA.

Salary: \$5,241.00 - \$7,043.00 Monthly

The salary range listed includes a general wage increase of 3% for all state employees effective July 1, 2024.

Want to join something GREAT and make a difference?

The Department of Natural Resources (DNR) has an exciting opportunity. Are you

looking for a fast-paced, exciting, and rewarding career in Wildfire? The Wildland Fire Management Division - Aviation Section has an opening for a **Mission Sensor Operator in our Kodiak 100 Multi-Mission Aircraft**. DNR Aviation utilizes 2 Kodiak 100 aircraft to aid in fire suppression intel across the state of Washington. You will be responsible for the operation of intelligence gathering using the multi-spectral camera system and downlink. The mission profile of our airplanes includes fire reconnaissance, detection, intel gathering, perimeter estimation, photography, and crew/equipment Insertion/Transport.

This position requires a motivated individual who works effectively in a team environment but also possesses the ability to operate and make split-second decisions independently. You will be required to communicate effectively with aircrew, ground resources, and other aerial resources in order to accomplish your objectives. The ability to multitask is paramount, as you will be monitoring and communicating on multiple radio frequencies both en route and while actively engaged in Wildfire Suppression.

Duties

Responsibilities:

- Serves as an Aircrew Member in both helicopters and airplanes as a mission sensor operator and reports to the MSO Photogrammetrist 3,
- Provides Initial/extended attack wildland aerial fire incident intelligence operating Airborne Photogrammic Electro-Optical/Infrared Collection camera systems,
- Perform digital file translations and manipulations to accommodate various CAD, GIS, and Engineering design systems/programs and assist in editing digital data for natural resource operations,
- Create Wildland Fire Airborne Intelligence products to include perimeter files and maps, elevation data, topographical maps, fire growth perimeters, Color/Infrared photographs, Live video downloads with interpretation, etc.,
- Operates, maintains, downloads, edits, and creates airborne reports/maps/intelligence using handheld FLIR devices, Cameras, and advanced Thermal/Infrared/Mapping/Lidar aircraft systems,
- Performs pre-flight, mission planning, and post-flight duties,
- Provide Intelligence, Surveillance, and Reconnaissance (ISR) and an array of airborne capabilities through the use of full motion video, sensors, and mission equipment for ground fire personnel and the Wildland Fire management division,
- Perform calibration and verification of airborne photography and mapping systems before each use prior to collecting and creating digital products for distribution,
- Provides Quality Control (QC), processing, and storage of acquired photogrammetric data In Accordance With (IAW) Aviation Operations Plan and Standards (AOPS),
- Provides IMTs, Fire personnel, and Division Intelligence with aerial intelligence products gathered, analyzed, and processed for use using fire

mapping management systems including ARC GIS Pro, Google Earth, and other fire mapping programs.

- Assists in the Development Department's standards for Aerial Intelligence collection systems including EO/IR camera systems, downlink systems, LIDAR operations, and data processing for products gathered from those systems which are established by the MSO Photogrammetrist 3.
- Assists in the administration of the Division's Mission Sensor Operator training program,
- Pre-flights, cleans and determines airworthiness of assigned department EO/IR camera systems, downlink systems, computer mapping systems, and aircraft operator stations with product vendors,
- Identifies and provides recommendations to the supervisor for new Mission Sensor Operators to be trained,
- Train and assist in MSO task book completion of other assigned MSOs to the Aviation Section.
- Serves as a UAS observer, data collection technician, and/or pilot when qualified
- Assist UAS Program as directed
- Training as assigned for recurrent flight training
- Conferences, meetings, and trainings nationwide
- Duties as assigned.

Qualifications

Required Qualifications:

- High School Diploma or Equivalent.
- Intermediate Level Computer Skills.
- 10 Flight Hours in either a helicopter or small airplane (e.g. Bell 206L4, Kodiak K100, Grand Caravan, etc.).
- Experience with Crew Resource Management (CRM) procedures as an Aircrew Member.
- Experience operating FAA/Fire and ground radio communication systems.
- Experience and Knowledge of aircraft mission flight planning and the National Airspace System (NAS).
- Experience with developing reports and products via Microsoft Office Suite and Mission Planning Software.
- Successfully pass annual DNR flight and oral evaluation for Mission Sensor Operator.
- 1 year of experience processing mapping, data, and GIS operations (ACR GIS Pro, Google Earth, etc.).
- Demonstrated commitment to fostering and supporting an environment that honors diversity, equity, inclusion, and environmental justice practices.
- Perform assigned duties in a manner consistent with applicable laws, regulations and public records retention and requests are followed.
- Ability to function collaboratively with peers in a fast-paced, stressful environment.
- Ability to fly up to 8 hours per day.

- Ability to quickly adapt, learn, and operate airborne electro-optical systems.
- Ability to consistently make sound decisions with little to no direct supervision.
- Excellent communication skills both verbal and written.
- Strong Interpersonal skills.
- DNR Core Competencies:
 - Personal Accountability
 - Value Others
 - Compassionate Communication
 - Inspire Others
 - Commitment to Excellence

Special Requirements and Conditions of Employment:

- Must successfully complete DNR Agency required classes within 30 days of employment.
- This position performs work principally under field conditions. Work schedules can be changed by agency supervisors with minimal notice. Weekend and evening work is routine and includes extensive travel.
- Considerable travel is required.
- A valid unrestricted driver's license and have two years of driving experience. This position requires driving as an essential function. Finalists and/or interview candidates will be asked to provide a driving record from all states in which they have held a license during the past three years.

Desired Qualifications:

- FAA Part 107 Commercial UAS License.
- Qualified as an Airborne System Operator (e.g. FLIR, Wescam, Trakka, Etc.).
- A Bachelor's degree or higher in photogrammetry, cartography, civil engineering, geodesy, geography, forestry, or related field.
- NWCG Aviation Qualifications (e.g. AOBS, ASGS, AOBD, HMGB, ATGS, ABRO, HECM, etc.).
- Experience processing mapping, data, and GIS operations.
- FEMA ICS-100 and ICS-700 courses.
- Safety Management System (SMS) Familiarity.

Don't let doubts stop you from applying for this position - If you have any questions about the required qualifications or how your past experience relates to them, please contact us at DNRrecruiting@dnr.wa.gov. A note to potential candidates: Studies have shown that women, trans, non-binary, Black, Indigenous, and people of color (BIPOC) are less likely to apply for jobs unless they feel they meet every qualification as described in a job description. We value diversity and inclusion in our organization, and we are looking for the best person for the job. Don't hesitate to apply!

Supplemental Information

Application Requirements and Required Attachments:

(Failure to provide listed documents will result in disqualification.)

- **Apply online:** at www.careers.wa.gov (Click on the APPLY button above).
- **Letter of interest:** describing your specific qualifications to the position and position required, desired, and special requirements.
- **Resume:** that details your experience and qualifications.
- **References:** at least three professional references with current telephone numbers— you may attach a document, use the References text field in the online application, or include it with your resume.
- **Complete all supplemental questions.**
- Candidates who move forward in the recruitment process may be contacted via email at info@governmentjobs.com with interview information/scheduling instructions. Please monitor the email listed in your application materials and check your junk email folder to ensure you receive those communications.

Optional attachments:

- FAA Remote Pilot Part 107 Certificate – Current
- Certificate/Diplomas of relevant completed training
 - FLIR/Sensor Training
 - Military equivalency
 - Downlink System
 - ARC GIS
 - NWCG

Questions? Please contact Rich Knoth at 360-764-6494/rich.knoth@dnr.wa.gov or e-mail us at DNRrecruiting@dnr.wa.gov

For persons needing accommodation in the application/testing process or this job announcement in an alternative format may call (360) 522-2500 or email DNRrecruiting@dnr.wa.gov. Applicants who are deaf or hard of hearing may call through the [Washington Relay Service](#) by dialing 7-1-1 or 1-800-833-6384.

About the Department of Natural Resources (DNR).

At DNR we approach our work through the lens of making Washington a better place environmentally and are dedicated to serving Washington's lands and communities through diversity, equity, and inclusion.

Our Vision – Our actions ensure a future where Washington's lands, waters, and communities thrive.

Our Mission – Manage, sustain, and protect the health and productivity of Washington's lands and waters to meet the needs of present and future generations.

Our Core Values:

- **Safety and Well-Being** —Our top priority is the safety of the public and our employees.
- **Public Service** —We value and respect the public we serve, and we value and respect the people of the Department of Natural Resources who step up to serve.

- Innovation and Creative Problem-Solving — We solve our state’s most pressing challenges through innovative thinking, dedication, and bold and creative vision.
- Leadership and Teamwork —We are committed to building leaders at all levels and building teams for success.

DNR provides excellent benefits, a few of which include:

- Commitment to organizational health and wellness
- Work/life balance
- DNR Employee Resource Groups (Diversity, Equity and Inclusion Council, Women’s Employee Resource Group, Veterans Employee Resource Group, etc.)
- Statewide Employee Business Resource Groups, [visit here to learn more](#)
- Leadership that empowers and supports employees
- Professional development opportunities
- Educational and career development aid
- Public Service Loan Forgiveness Eligibility
- Opportunities to participate in wildland fire suppression assignments
- A comprehensive benefits package that includes employer contributions toward health insurance, paid holidays, retirement plans, sick leave, and vacation days. Visit <http://careers.wa.gov/benefits.html> for more information.

Additional Information:

This recruitment may be extended and may also be used to fill future similar vacancies for up to sixty (60) days.

DNR does not use the E-Verify system. For more information, please visit www.uscis.gov.

Veterans wishing to claim Veteran’s preference please attach a copy of your DD-214, NGB-22, or other verification of military service. Please black out your social security number prior to attaching it. We thank you and are grateful for your service!

Equal Opportunity Employer: The Washington State Department of Natural Resources is an equal opportunity employer. We strive to create a working environment that includes and respects cultural, racial, ethnic, sexual orientation, and gender identity diversity. Women, racial and ethnic minorities, persons of disability, persons over 40 years of age, veterans, military spouses or people with military status, and people of all sexual orientations and gender identities are encouraged to apply.

Once you submit your online application, you can check your status by logging into your account. If you experience technical difficulties creating, accessing or completing your application call NEOGOV toll-free at (855) 524-5627 or email CareersHelp@des.wa.gov.

Check us out on: [DNR’s website](#) | [Facebook](#) | [Twitter](#) | [Instagram](#) | [YouTube](#) | [WordPress](#)

Agency

State of Washington

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