

Lead Unmanned Aircraft Pilot

Summary: Works within a team and is responsible for efficient data collection and mosquito treatments at sites around Lee County using a variety of methods and gear for aerial larviciding programs.

- Operate as the remote pilot in command (RPIC) responsible for flight planning, flight execution and risk management
- Conduct pre-flight planning, safety briefings, checklists, FAA airspace and airport tower coordination, and ensures overall mission-readiness
- Perform drone pre-flight inspections, evaluate the environment for tall structures, power poles, towers, other obstructions, various payload operations, camera settings, lighting conditions, and RGB (red, green, blue) check for thermal and LiDAR sensors
- Perform topographic surveys using a combination of mobile LiDAR, stationary scanning, drone photogrammetry and total station equipment
- Perform volumetric cut and fill calculations based on data from laser scanners, aerial LiDAR, photogrammetry, ground surveys and design documents
- Process and evaluate data accuracy and sufficiency, and ensure deliverables meet expectations and professional standards
- Implement, monitor and track quality control checks and procedures for data gathered by field crews
- Prepare and complete reports related to collected field data, post flight missions, and pilot and maintenance logbooks
- Work closely with Mosquito Biologist III and GIS Coordinator to schedule aerial missions Post-flight UAS equipment tear-down, maintenance and storage
- Evaluate and suggest action plans for the mosquito control team for future treatments
- Ensure larviciding and adulticiding treatment intervals are met prior to mosquito control treatment activity
- Ensure chemical usage reports reconcile with inventory on a monthly basis
- Reconcile equipment calibration with GIS and chemical usage reports
- Ensure compliance with all current larviciding insecticide labels and all SDSs
- Determine the appropriate use of chemicals for different environmental situations
- Train new employees on the various department systems and software
- Represent the Districts at conferences and public meetings as needed

Qualifications:

- Bachelor's Degree in a related discipline (geography, GIS, geology, geomatics, biology) from an accredited college or university preferred
- FAA CFR Part 107 UAS Pilot certificate
- At least 2 years of job related experience operating a UAS
- Understand the FAA requirements for UAS operations in the National Airspace
- An applied knowledge of surveying references such as coordinates systems, projections, datums, geoids and state plane zones.
- Knowledge of Geographic Information Systems (GIS) software such as QGIS and ESRI is preferred
- Knowledge of GIS data formats and geospatial imagery metadata formats
- Aerial mosquito control and noxious weed experience preferred
- Experience with Precision Vision and Map Vision preferred
- Experience with remote sensing

- Very strong technical capacity; ability to learn and master multiple software packages, pieces of hardware and different workflows
- Must have proficient computer skills in Microsoft Office and have the ability to learn and operate internal programs including databases
- Ability to effectively communicate in front of audiences
- Must be able to work a varied schedule including nights and weekends
- Ability to fly in helicopters
- Must be able to read and understand chemical label instructions in English
- Must have a valid Class E driver's license and a clean driving record
- Must pass the Aerial, CORE and Public Health exams within six months of hire and be able to maintain certification by earning appropriate CEUs (continuing education units)

Compensation:

The pay range for this non-exempt position starts at \$27.14 - \$33.92 depending on experience. Excellent benefits package includes Florida Retirement System, medical, dental, life/LTD/STD and generous paid time off package.

To Apply: Submit our employment application at the following link: <https://www.governmentjobs.com/careers/lcmcd> no later than **Tuesday, October 26, 2021**. Equal Opportunity Employer; Drug Free Workplace; Veterans Preference to those who qualify

Job Type: Full-time