WILLIAM STEINLEY

Gold Run, California | wjsteinley@gmail.com | 832-729-1091

WILLING TO **SELF-RELOCATE** | **FULLY AUTHORIZED** TO WORK IN THE UNITED STATES

Forestry professional with 7+ years of field and supervisory experience across 8 U.S. states. Proven success managing multi-agency forest health initiatives, leading field teams, and applying geospatial and fire ecology expertise to improve forest operations. Advanced user of R and GIS platforms for spatial modeling, LiDAR interpretation, and forest inventory analysis. Adept in prescribed fire planning, timber cruising, marking, harvest layout, and resource surveys.

PROFESSIONAL EXPERIENCE

FORESTER III | Jefferson Resource Company | *Placerville, CA*　　　　　**February 2024 – Current**

- Supervised field technicians and conducted quality control inspections for stand layout, road assessments, and resource surveys.
  - Ensured adherence to project specifications and industry standards, enhancing operational efficiency and accuracy.
- Project lead for JRC's role in the largest multi-agency forest health initiative in the history of the Plumas National Forest.
  - Performed in compliance with California Forest Practice Rules under direct RPF supervision.
    - Served as the liaison between JRC, USFS, and NGO personnel.
- Developed custom R scripts to analyze digital elevation models and slopes, reducing the need and cost of advanced GIS software.
- Performed advanced analysis of raw LiDAR point clouds to generate sub-meter resolution canopy height models, digital terrain models, and slope maps.
  - These products improve the field identification of archaeological, hydrological, and ecological features.
- Led a transition to using cloud-based spatial science applications for the collection of large amounts of vector data and viewing of multiple raster basemaps on a single application.
  - Provided real-time synchronization across teams while improving product quality, data accuracy, and reducing post-collection data processing costs.

FORESTER | Sunrise Pines Forestry | *CA, MT, AZ, OK, LA, AR, TX*　　　　　**April 2022 – July 2023**

- Performed layout for timber sales using a variety of silvicultural prescriptions and harvest practices, including cable/tractor/aerial logging systems. Adapted to different field methods used by each state/region.
- Conducted timber cruising utilizing diverse sampling criteria/techniques including fixed, variable, strip, 100%, and 3P.
- Marked timber in accordance with various silvicultural prescriptions in a variety of forest ecosystems.

FUELS TECHNICIAN | Fire Safe Council of Nevada County | *Grass Valley, CA*　　　　　**January 2022 – April 2022**

- Interpreted and adhered to prescription guidelines set forth by supervising registered professional forester.
- Performed fuel reduction tasks using various mechanical methods, including chainsaws, tow-chippers, tracked masticators, and hand tools.
- Constructed prescribed fire breaks in accordance with USFS standards and ignited/extinguished prescribed fires.

GRADUATE TEACHING ASSISTANT | Stephen F. Austin State University | *Nacogdoches, TX*　　　　　**August 2019 – January 2022**

- Instructed undergraduate students in the lab portions of *GIS in Natural Resources*, *Introduction to Forestry*, and *Forest Biometrics* courses. Led and taught classes of 30-50 students during weekly field trips to both urban and forested locations, ensuring a comprehensive and practical learning experience.
- Assisted and coordinated operations during the 6-week field station program, managing the safety and equipment of over 100 students.

FUELS TECHNICIAN | TimberPro Forest Service | *Nacogdoches, TX*　　　　　**November 2017 – May 2019**

- Operated D5 bulldozer to construct fire lines and extinguish escaped fires, ensuring effective wildfire containment and safety.
- Ignited fires using drip torches, inspected fire lines via ATV, extinguished escaped fires with various hand tools

CERTIFICATIONS

QUALIFIED TIMBER CRUISER　　　　　*United States Forest Service Region 3*
TREE RISK ASSESSMENT QUALIFICATION　　　　　*International Society of Arboriculture*

EDUCATION

MASTER OF SCIENCE IN FORESTRY | Honors**:** *Xi Sigma Pi Forestry Honor Society*　　　　　*Stephen F. Austin State University, TX*

BACHELOR OF SCIENCE IN FORESTRY | Minor: **SPATIAL SCIENCE**　　　　　*Stephen F. Austin State University, TX*
Concentration: **FIRE MANAGEMENT**

PUBLICATIONS

Steinley, W. J., Oswald, B. P., Kidd, K. R., & Glasscock, J. (2024). Influence of altered fire return intervals on plant diversity in the East Texas Pineywoods. *Journal of Forest Research, 13*(529). DOI: 10.35248/2168-9776.24.13.529