John Dietrich

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SUMMARY
Research technician experienced in vegetation surveys, GIS and data management.

SELECTED WORK EXPERIENCE

Research Technician   **2020-present**
USDA Agricultural Research Service (Fort Collins, CO)
- Lead field crews in intensive field sampling campaigns installing/removing infrastructure and collecting various ecological data
- Perform laboratory analysis of plant and soil samples assessing above and belowground plant characteristics
- Maintain and update complete set of protocols for all field and lab tasks

Botanist   **Summer 2019**
Colorado Natural Heritage Program (CO)
- Monitored vegetation throughout the Rocky Mountains of Colorado
- Identified and assessed cover for plant species
- Navigated to remote sites using a combination of GPS, GIS layers on a tablet and paper maps

Research Associate   **2016 – 2018**
Colorado State University (Fort Collins, CO)
- Lead teams implementing a multi-state research experiment
- Collected various observational data and plant/soil samples
- Downloaded data from electronic data loggers (system trouble shooting)
- Managed data: including data entry, cleaning/error checking, and visualization
- Oversaw undergraduate employees in field sampling and laboratory analyses

Plant ID Lab Teaching Assistant   **Spring 2014**
Colorado State University
- Provided laboratory instruction in identification of plants native to Colorado

GIS Intern   **2010-2012**
United States Geological Survey (Lakewood, CO)
- Created maps and publication figures for oil shale assessments

EDUCATION
Colorado State University, M.S. Ecology   2015
Metropolitan State University of Denver, B.S. Biology/GIS   2012
New Mexico Institute of Mining and Technology, B.S. Geology   2002

SKILLS
- ArcGIS, QGIS, basic data analysis (R, Python/Pandas), MS Office, Trimble GPS, Plant ID