



Eric L. Bullock

Research Geographer

Dedicated US Forest Service researcher with over seven years of experience designing remote sensing applications for monitoring forest ecosystems.

✉ elb.geography@gmail.com

📍 Salt Lake City, UT

in www.linkedin.com/in/eric-bullock-89365ba2

📞 603-801-0135

🌐 www.eric-bullock.com

📖 researchgate.net/profile/Eric-Bullock-3

Experience

Research Geographer

US Forest Service, RMRS-FIA

Riverdale, UT *10/2020-Present*

- Develops remote sensing techniques to support forest resource assessments conducted by the Forest Inventory and Analysis (FIA) Program.
- Leads capacity building workshops on monitoring forest disturbances and measuring carbon emissions for international REDD+ programs.
- Designs applications that use radar, lidar, and optical remote sensing to estimate forest biomass, map forest disturbances, and monitor land cover change.
- Disseminates research findings through conference presentations, technical reports, academic publications, technical workshops, and tutorials.
- Serves as a Subject Matter Expert in an FIA working group aimed at mitigating non-response bias caused by unmeasured field plots.

Postdoctoral Researcher

Boston University, GLanCE Project

Boston, MA *08/2019 – 07/2020*

- Co-developed the Google Earth Engine utilities, including a Javascript API, interactive applications, and the end-to-end processing workflow, used to produce global maps of land cover change with Landsat.
- Co-developed a Python application used by 25+ research assistants to collect 10,000+ sample points used as training data for land cover classification.

Doctoral Researcher

Boston University

Boston, MA *08/2015 – 08/2019*

- Trained and supervised a team of 10+ researchers to study carbon dynamics in the Amazon.
- Developed a 27-year forest change dataset in the Amazon that spanned 7 million km² using Landsat, Google Earth Engine, and machine learning.

Education

Doctor of Philosophy in Geography

Boston University GPA: 4.0
Boston, MA *08/2015 – 09/2019*

Master of Arts in Remote Sensing and GIS for the Environment

Boston University GPA: 4.0
Boston, MA *08/2013 – 09/2014*

Bachelor of Arts in Sociology and Environmental Studies

University of Colorado GPA: 3.4
Boulder, CO *09/2008 – 08/2011*

Skills

Remote Sensing:

Change Detection, Image Segmentation, Land Cover Classification, Area Estimation, Application of Optical, Radar, and Lidar Data, Carbon Stock Estimation, Data Fusion, Machine Learning, Big Data Management, Design- and Model-Based Statistical Inference

Programming Languages and Software:

Python, R, Javascript, HTML, QGIS, Google Earth Engine, ArcGIS, Collab, Google Cloud Platform

Writing

Journal Articles, Research Grants, Project Reports, Documentation, Tutorials

References

Dr. Sean Healey: sean.healey@usda.gov, 385-515-6259
Supervisor, US Forest Service

Dr. Mark Friedl: friedl@bu.edu, 617-353-5845
Postdoctoral Supervisor, Boston University

Dr. Curtis Woodcock: curtis@bu.edu, 617-353-5746
PhD Advisor, Boston University