



Abigail (Abby) Gleason, L.G.

Lidar Manager

Abby is the lidar manager in the Survey's GIS/Editing section, where she manages lidar collections and plans new acquisitions—dodging raindrops and leaves all the while. Prior to joining the Survey, Abby spent time honing skills in remote sensing exploring remote corners of Earth and even more remote (and weirder) corners of Venus. These days she spends time closer to home filling gaps in Washington's lidar coverage and exploring UAS technology and IT cloud solutions.

Job Responsibilities

Lidar collection and planning, grant, contract, and project management, data quality assurance, data stewardship and distribution, server and storage system wrangling, cloud research and development, UAS operations, outreach.

Professional Interests

Lidar, UAS technology, InSAR, digital terrain analysis, volcanology, and remote sensing techniques.

Skills

Python, ArcGIS, Quick Terrain Modeler, LasTools, UAS Remote Pilot, Agisoft Photoscan, Erdas Imagine.

Professional Experience

- Photogrammetric Cartographer and Subject Matter Expert in lidar and InSAR, National Geospatial-Intelligence Agency, St. Louis, MO
- SAR Digital Terrain Analyst/Contractor, NASA, Greenbelt, MD
- Remote Sensing Analyst, Alaska Volcano Observatory, Fairbanks, AK

Education

- M.S. Geographic Information Systems, University of Redlands, CA
- M.S. Geophysics with specialization in remote sensing, University of Alaska, Fairbanks, AK
- B.S. Geophysics, University of California, Santa Barbara, CA

Personal Interests

Running, hiking/backpacking, DIY projects, reading, searching out unique ice cream shops.



Hanging out with Hawaii's pahoehoe lava flows.