



L. Guy McWethy

Lidar Specialist

Guy is the Lidar Specialist at the Washington Geological Survey, charged with standardizing lidar datasets for the entire State. Prior to working for the Survey, Guy spent 17 years at Weyerhaeuser Timber Company doing remote sensing analysis. This was preceded by a sojourn through the Wildlife Biology Program at the University of Montana and nine years at the Pacific Northwest National Laboratory analyzing satellite imagery. Guy enjoys solving complex GIS problems and helping others understand the power and limitations of remotely sensed datasets.

Job Responsibilities

Intake, Quality Assurance, and Quality Control of any and all lidar data collected for Washington State, standardization of digital surfaces and point-cloud information for public distribution, interfacing with the public to facilitate distribution, use, and understanding of lidar data.

Professional Interests

Lidar data processing, digital terrain analysis, land-cover classification, derivation of thematic datasets from primary remote sensing imagery.

Skills

Arc/Info, Python, Lidar processing, Digital Elevation Models, Geo-processing large spatial datasets, remote sensing data, land-cover classification, stream derivation from DEM data.

Professional Experience

- Application Programmer (remote sensing data analysis with LANDSAT and SPOT satellite data, change detection), Battelle Pacific Northwest National Laboratory, Richland, WA
- Remote Sensing Analyst (land-cover classification from LANDSAT imagery, DEM analysis, stream derivation from DEM data), Weyerhaeuser Timber Company, Federal Way, WA
- Lidar Specialist (lidar data manipulation, analysis, and distribution), Washington Geological Survey, Olympia, WA

Education

- M.S. Wildlife Biology (un-completed), University of Montana, Missoula, MT
- B.S. Geology, Washington State University, Pullman, WA

Personal Interests

Birding, fly-fishing, photography, gardening with native plants, natural history, evolutionary ecology.