

LiDAR-Mapped Landslide Incidence Points

West Virginia Landslide Project

August 2026

Methodology

The most commonly mapped landslides were slides and slumps (97.9%). Landslide locations were mapped throughout West Virginia using QL2 LiDAR elevation data products, including hillshade and slopeshade grids. Mapped failure types include slide, debris flow, lateral spread, multiple failures (when several failures were present in a small area, but were too small or close together to map separately), rock fall, and undetermined failure type. The nature of the West Virginia landscape and the LiDAR imagery limited mapping to landslides at least 33 feet wide.

Mapped Landslides	Description
116,420	Total landslides mapped using high resolution QL2 (1- or 2-meter) LiDAR

