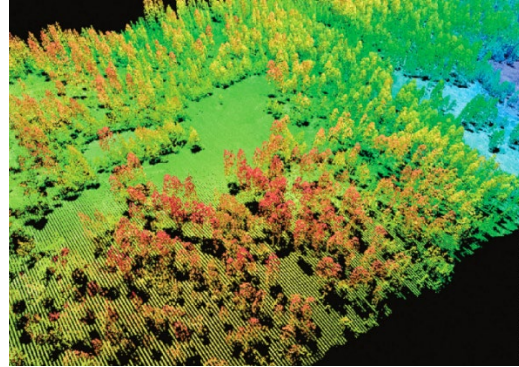
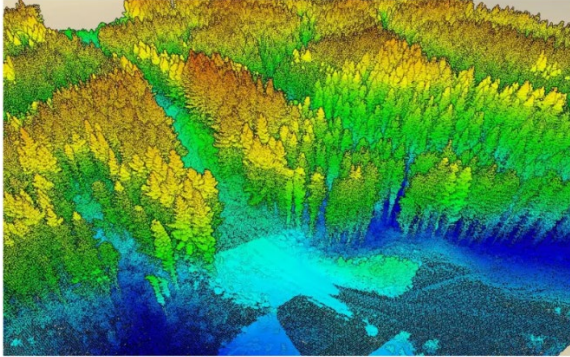




United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Washington, DC 20240



Examples of Lidar imagery

Lidar-Assisted Forest Inventory

Light Detection and Ranging (Lidar) is a remote sensing method that is used to measure the surface of the earth. New high-resolution Lidar, along with other GIS and aerial imaging technologies, is being used by forest managers to inventory forest and woodland tracks that would otherwise be too expensive or time consuming to inventory using traditional methods. BIA Forestry and OTS recently funded two tribal Lidar projects:

Crow Tribe Lidar-Assisted Complete Natural Resources and Forest Inventory

This project will acquire high-resolution Lidar and high-resolution aerial imagery on 773,004 acres of forestland, woodland, and rangeland on the Crow Tribe Reservation. When combined with field data, this information will be used to develop a complete landscape-scale resource assessment and mapping. The single-tree forest and woodland inventory produced will be used for growth and yield modeling to help the tribe develop future management goals.

Comprehensive Lidar Inventory Using Above and Below-Canopy Lidar with Satellite Imagery

The Confederated Tribes of Coos, Lower Umpqua, and Siuslaw Indians (CTCLUSI) are partnering with the Oregon State University (OSU) College of Forestry to develop a comprehensive lidar-derived single-tree inventory for the forestlands that were conveyed through the 2018 Western Oregon Tribal Fairness Act. This project will allow the forestry program to prioritize areas for forest development projects and model fuels. The tools developed by CTCLUSI and OSU will be shared with other tribal forest managers.