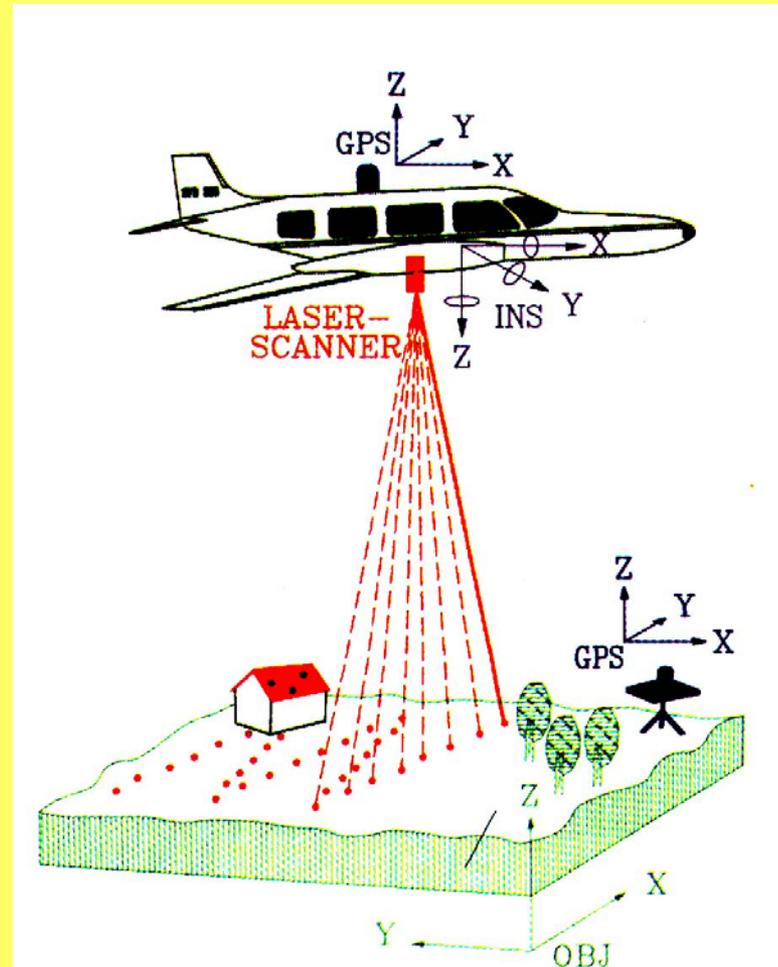


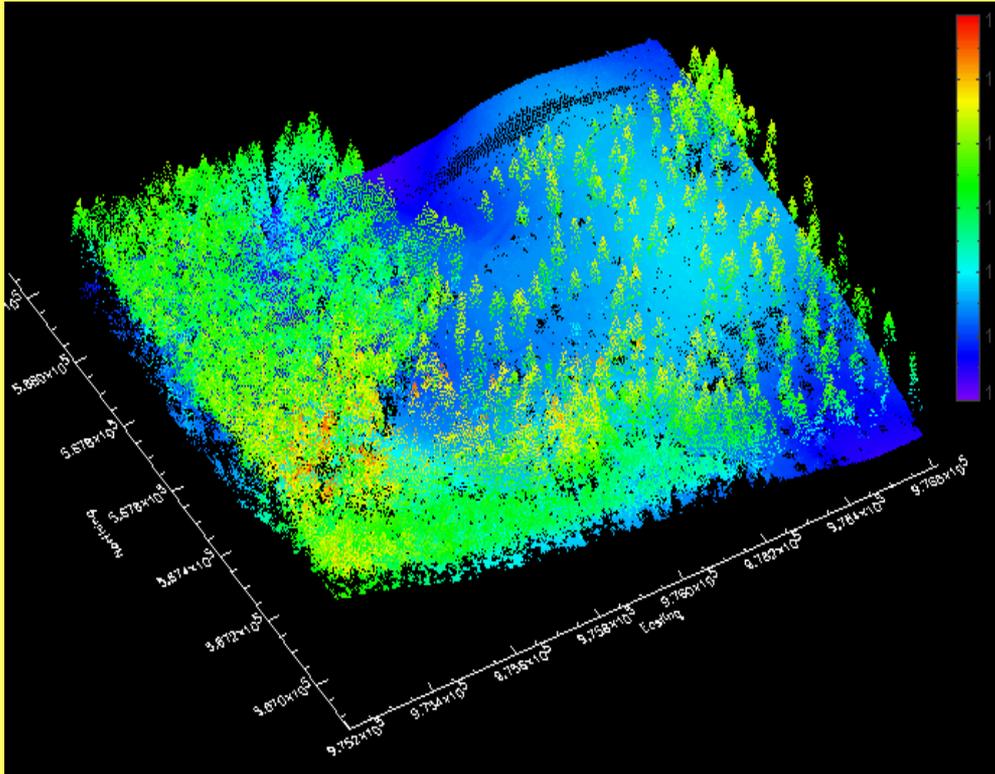
# LIDAR stands for: Light Detection And Ranging

## Principle:

- Collect laser light echoes from the ground and surface structures.
- Compare light data with forest inventory plot information.
- Use regression mathematics to calculate forest conditions outside the plot areas and create GIS-ready information.



# Example: LIDAR Point Cloud DNR Capitol Forest, Olympia



High-density LIDAR point cloud  
color-coded by elevation



Aerial Photo

# Stevens County LiDAR Project

Many landowners are participating and contributing labor (USFS, BIA – Colville, Spokane Tribe, WA DNR, private).

Landowners will be trained in merging the LiDAR data with inventory data to produce GIS information layers.

Large data set will result that covers the basic forest types in NE Washington.

Opportunity to evaluate whether these data are appropriate for insect/disease/wildfire risk assessments.

Assessments will be conducted in uniform manner across more than one landownership.

# Stevens County LiDAR Project

Partners in this project include:

Washington Department of Natural Resources

USDA Forest Service

BIA – Colville Confederated Tribes

BIA – Spokane Tribe

Maurice Williamson

Conservation Northwest

The Lands Council

The Wilderness Society

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