

Project Outline

Project Goals

- Overview of LiDAR Dataset
- □ Analysis of LiDAR derived DEM for accuracy
- Introduction to WeoGeo
- Process to upload data into WeoGeo
- □ Live online demonstration

Project Goals

- Evaluate accuracy of DEMs
- □ Learn how to serve data for public access
- □ Increase availability of LiDAR data for Portland
- □ Increase efficiency in data gathering
- Provide valuable user feedback to WeoGeo

Portland 2007 LiDAR Dataset

- Created by Watershed Sciences for Oregon
 Department of Geology and Mining Industries
 (DOGAMI) and Oregon Department of Forestry
- □ Flown between March 2007 and July 2007
- □ Covers portions of 8 counties in northwest Oregon





Portland LiDAR Deliverables

Point Data

- LAS v 1.1 Format
- ASCII Format
 - Bare earth returns
 - All returns
- □ 7.5 minute quad delineation in shp.file

Portland LiDAR Deliverables

Raster Data

- ESRI GRID of Bare Earth Modeled LiDAR data Points (3 foot cell size) delivered in 7.5 ft USGS quad delineation
- ESRI GRID of Above Ground Modeled LiDAR data point (3 foot cell size) 7.5 ft USGS quad delineation

Data Report

Report containing introduction, methodology and accuracy of dataset



Convert Bare Earth ASCII to Shapefile

- □ Convert ASCII file to .txt file
- □ Convert .txt file to .xls file
- Import xls file to ArcMap adding x, y coordinates, made it into a event table
- Export as shp file
- □ Create TIN from shp file in 3D analyst
- □ Create Raster from TIN in 3D analyst













The wedged

- Online one stop marketplace for geospatial content
- □ Store, search, and exchange geospatial content
- 🗆 Goal:
 - Increase accessibility and marketability
 - Increase efficiency
 - Improve decision making in human and natural resources

The weageo

- Portland based company
- □ Founded by W. Paul Bissett and David Kohler
- Evolved out of their work with the Florida Environmental Research Institute



Entering data into WeoGeo

Data Needed:

- □ Long name- up to 24 characters
- □ Short name up to 12 characters
- Actual Dataset- bare earth geotiff
- Supporting files
- □ Preview image of the data, pref. Geotiff
- Keywords/tags
- Abstract

Steps to enter data in WeoGeo: Create new listing with wizard









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Weogeo"SERVER

1: NAVIGATE

CAROLINE: EDIT PROFILE / LOG OUT



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- •Bissett, W. Paul and Kohler, David. WeoApp andWeoGeo website: http://www.weogeo.com

