# **<u>Intel 4-H GIS Tech Wizards</u>** **Street Tree Inventory**

Hillsboro, Oregon

# Collecting data

- Using the ArcPad 7.0 software on the PDA we collect Street Tree data.
- Start at SW corner
- Collect data:
  - Tree Species
  - Height
  - Canopy
  - CBH
  - Etc.
- Take field notes

# Editing

- Upload data

- We cross reference data to ensure accuracy

- We use editing to make sure the collected information is complete.

- We must make sure all the information is consistent and accurate.

- Missing data must be recollected.

- We must make sure trees are placed accurately in the map
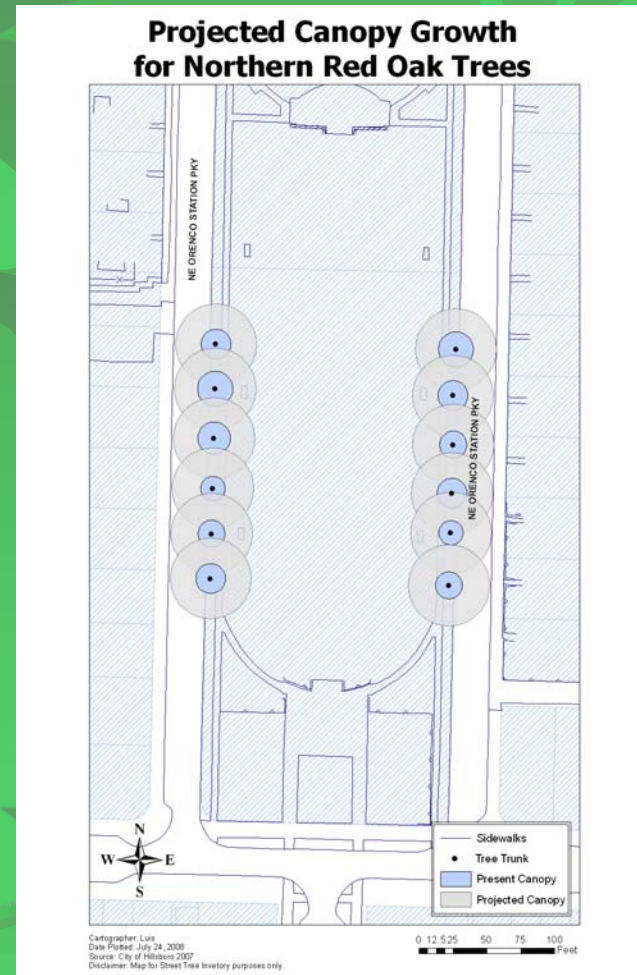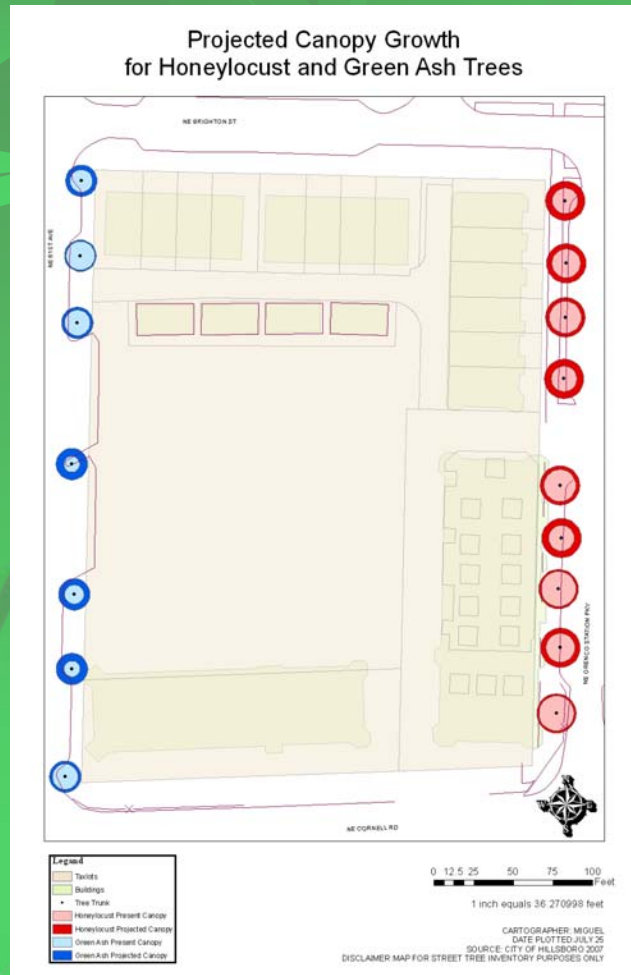
# Editing Cont.

# Final Draft Maps



Projected Canopy Growth for Honeylocust and Green Ash Trees



Projected Canopy Growth for Northern Red Oak Trees

# Analysis

- After all data was edited we wanted to further explore and analyze our data

- As a group we wanted to be able to predict the canopy of a tree.

- Canopy growth was important because it will effect both homeowners and the City of Hillsboro

# Analysis

# Final Analysis

- Canopy conclusions

- Orenco Station as a great example of Street Tree development

- Information can be presented to the City of Hillsboro.