



# Milford GIS Workshop

## Data Collection

Milford Trees Inc.

Milford Tree Commission

Mary Ludwig

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# Who collected data?



**Community  
volunteers**

Organized by  
Milford Trees Inc.

&

Milford  
Tree Commission

# Why was data collected?

- Manage & maintain urban forest
- Facilitate tree replacement program
- Promote species diversity
- Know tree location for disease treatment
- Establish value of City trees
- Integrate City Department activities
- Education and outreach programs

# ■ When was data collected?



- Late spring, summer, early fall
- Decent weather
- Foliage on trees
- 2 ½ years in field

# Type of information recorded

- Tree ID number & species code
- Diameter of tree
- Tree condition
- Planting location
- Conditions effecting growth, health, safety
- Maintenance needs
- Special comments



# Location of data?



- Public streets
- Schools
- City parks

# Creating GIS data

- Engineering topographic maps used to locate trees in the field.
- Each tree was placed on map with an associated tree ID.
- Engineering topographic maps created from original GIS data in 1996.
- Trees later transferred from topographic maps into GIS by MIS.



# How was data entered?

- Formatted Excel spreadsheet
- Team of 8 data entry volunteers
- Data reviewed by Team Coordinator
- E-mail data to Management Information Systems
- 100 volunteer hours





# ■ Use GIS as management tool

- Integrates multiple types of information
- Provides details for infrastructure maintenance
- Saves time
- Saves money
- Saves manpower
- Enables information sharing

