

The purpose of this study is to determine if the distribution of these buildings in northeast and southeast Portland could allow for new historic conservation districts.

This required searching for areas with high concentrations of historic multi-family buildings.



## **DATA**

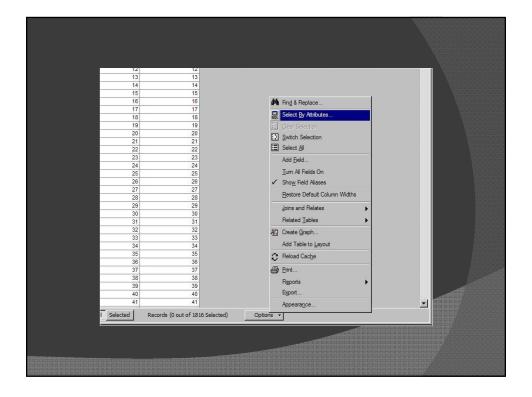
Metro RLIS Data

- -Tax Lot Shapefiles
- -City Boundary Shapefiles
- -Neighborhood Shapefiles
- -Census Block Shapefiles
- -Streets Shapefiles

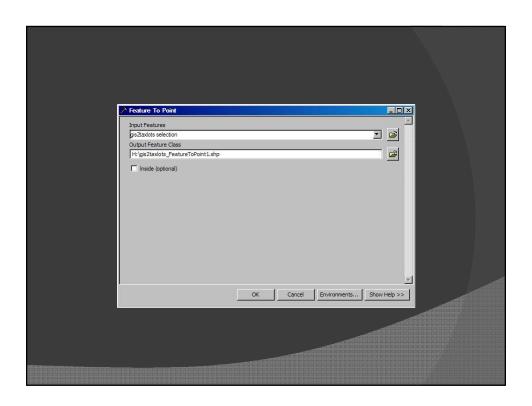
Bureau of Planning and Sustainability Website
-Historic and Conservation District Boundaries

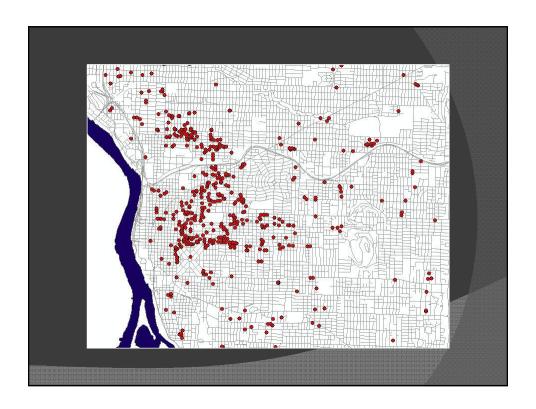
foric and Conservation District Boundaries (Digitized in ArcMap using Editor)

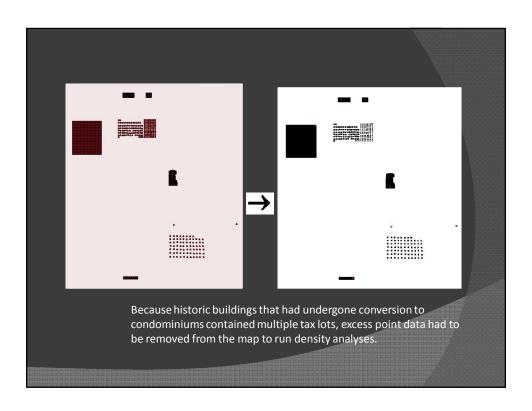


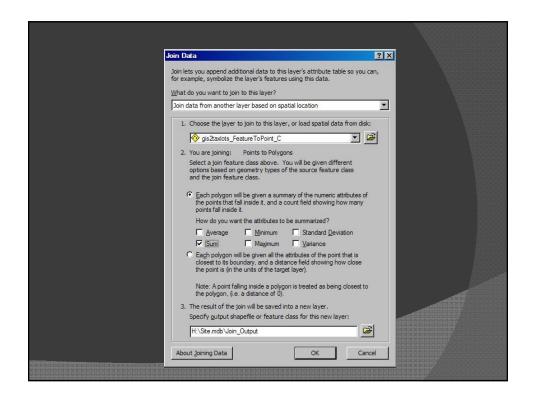


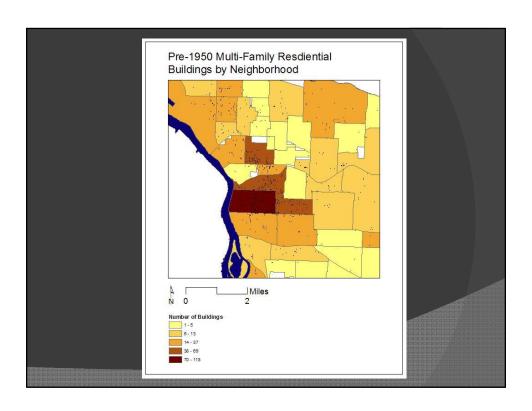


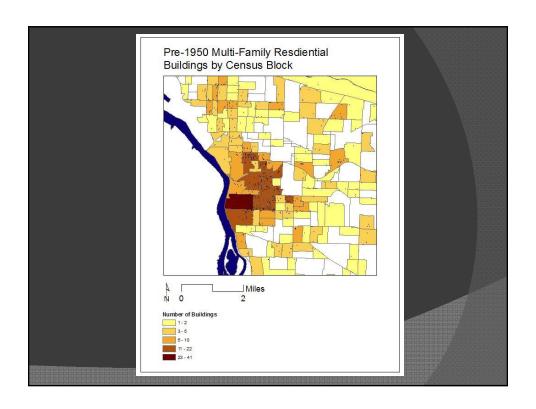


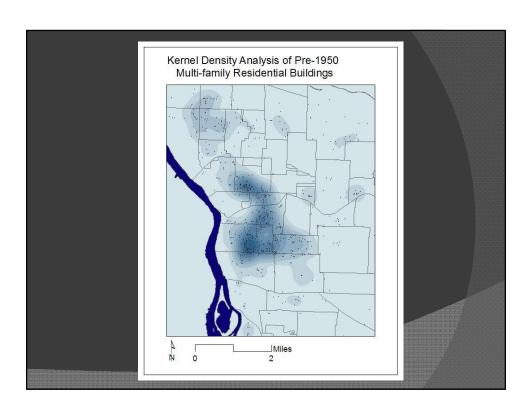


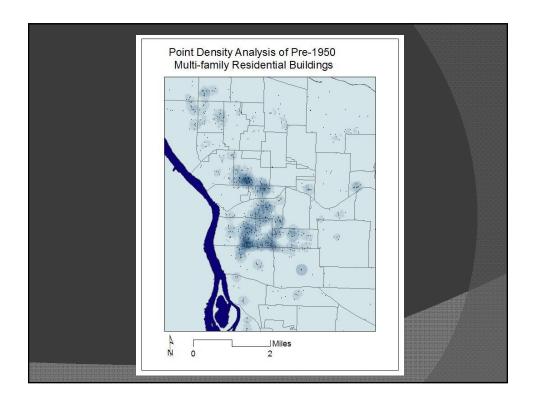


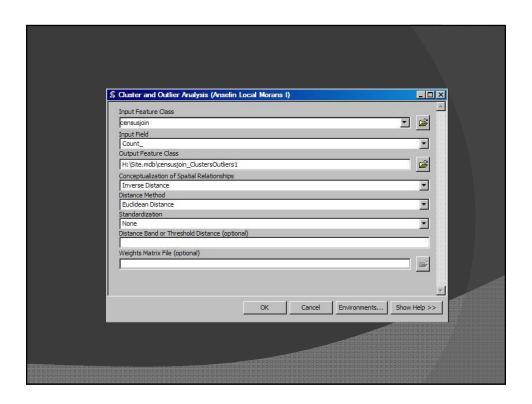


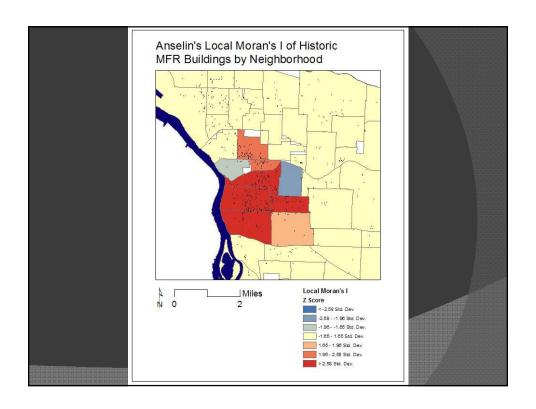


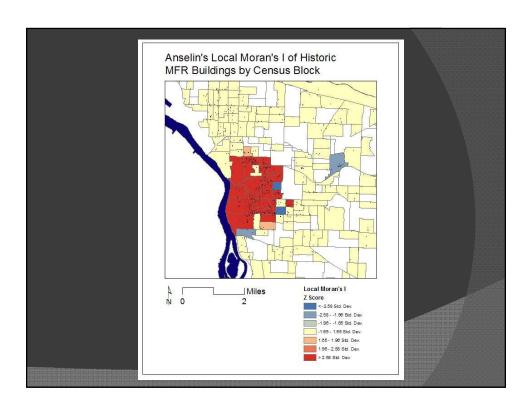


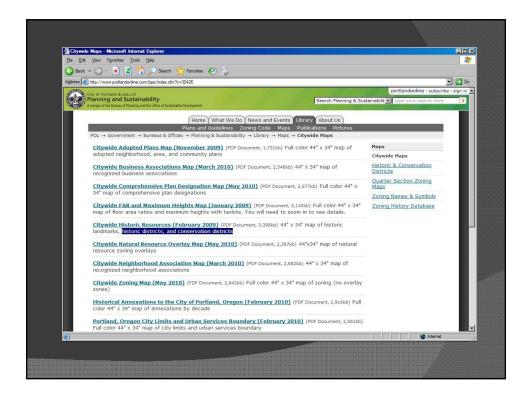


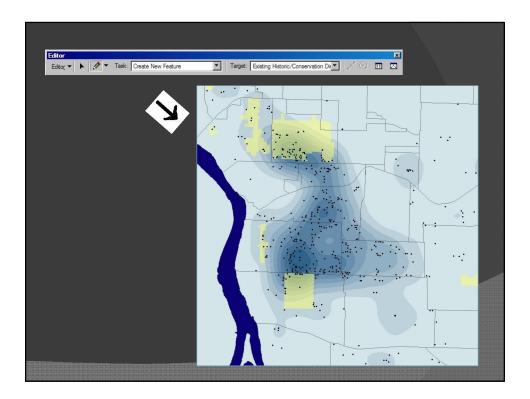


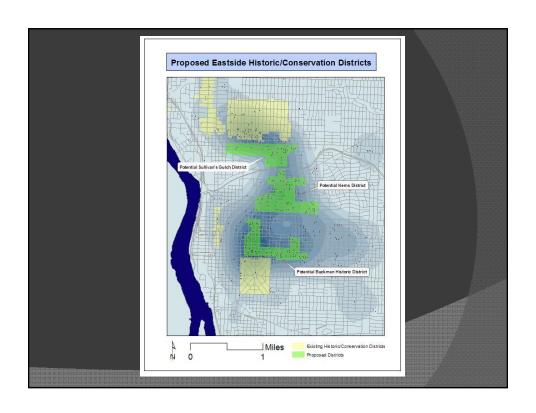


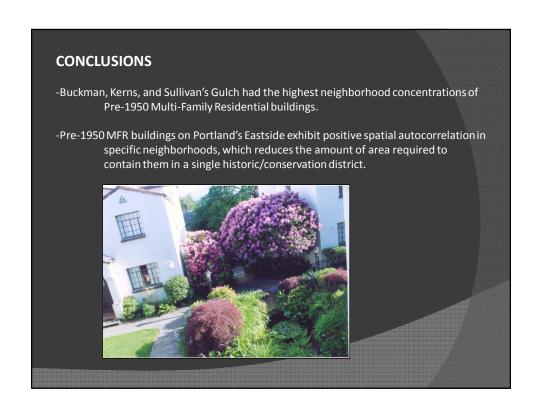












## **CHALLENGES**

- -Limited Availability of shapefiles on buildings themselves or on historic districts.
- -Digitizing data in Editor.
- -Choosing scale for Spatial Analysis (census blocks vs neighborhoods, etc.)
- -Choosing boundaries for proposed districts.



## **TOOLS USED**

Clip Metro Datasets

(to Eastside Portland boundaries)

**Search** Tax Lots by Attribute

('YEARBUILT' > 1851 AND 'YEARBUILT' <= 1950 AND 'LANDUSE' = MFR)

 $\textbf{Create New Layer} from \ selected \ attributes$ 

Feature to Point tool

(Tax Lots Selection)

Editor tool

(Erase excess points and Digitize Historic District outlines)

**Spatial Join** 

(Census Blocks and Neighborhoods to Tax Lot points)

Kernel Density tool

(Historic MFR Point Data)

Point Density tool

(Historic MFR Point Data)

Anselin's Local Moran's I

(Measure Spatial Autocorrelation of point data in census blocks and neighborhoods)

