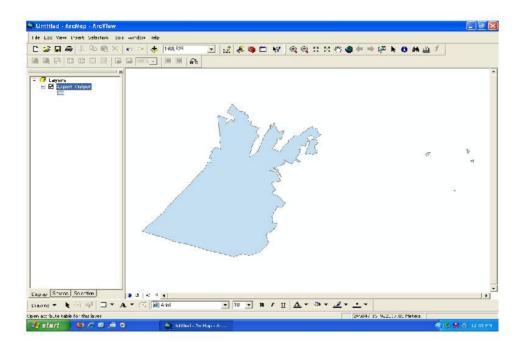
Does land use change due to the change in population in Salem during the 80's & 90's?

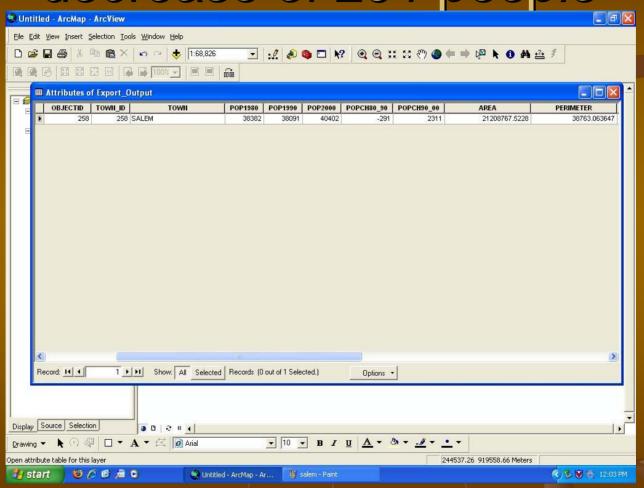
ways to answer the question...

- To see if there is a the change between the 80's & 90's in land use.
- Is the populations a factor, over time with land use in Salem.
- Decided on a few land uses to look at, cropland(1), pasture(2), forest(3), smaller than ¼ acre land res.(11), commercial(15).

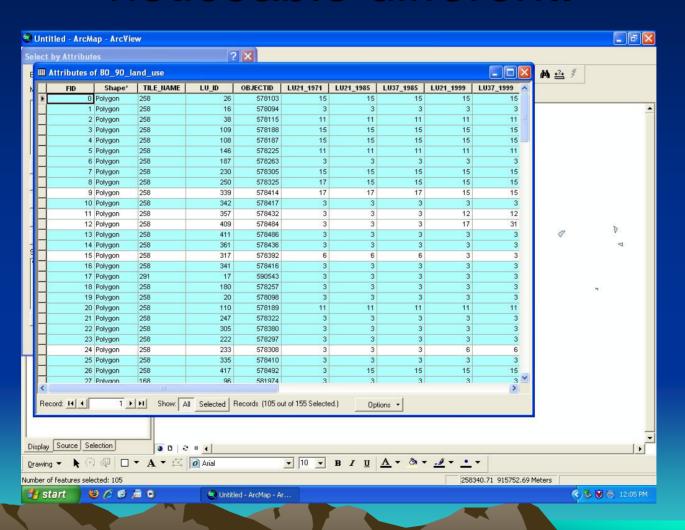
Started with Salem town layer



Salem population with changes decrease of 291 people



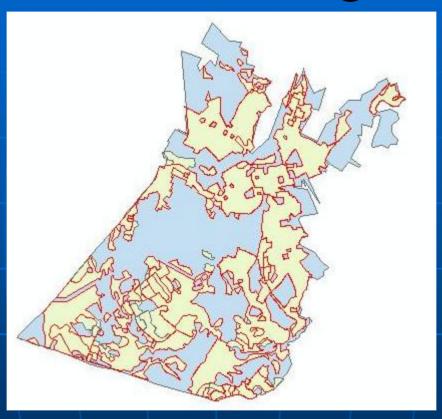
The land use table with the noticeable different.



Land use changes are...

- 34% overall land use has changed in Salem, Ma between the 80's and 90's.
- Forest med residential 7%
- Forest open land 6%
- Forest multi family 5%
- Commercial urban 4%
- Forest urban 4%
- Forest Industrial 3%
- Pasture high density residential 1%
- Commercial Industrial 1%
- Forest commercial 1%
- High density residential open land 1%
- Commercial open land 1%

Visible change...



All the areas that are outlined in red has not changed between the years, the smaller sections that are displayed with thin black lines have changed.

Mass GIS source of information

- Land use layer, list 21 different land use ID's, contains 70's, 80's & 90's data.
- Census 2000 town layer, contains all the census data for the state of MA, 80's,90's & 2000 info.
- Town layer, town boundiers