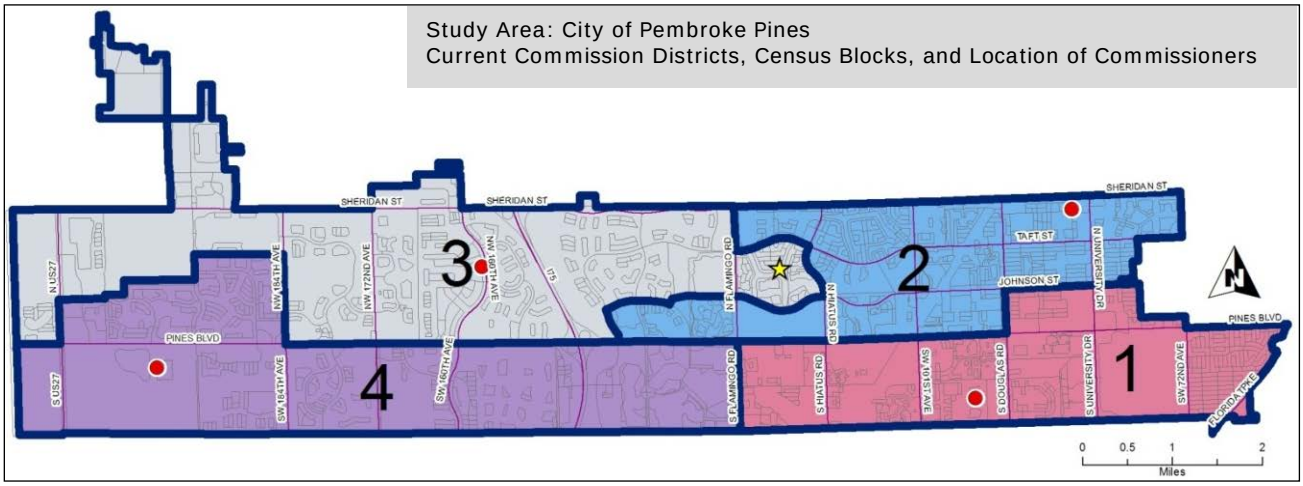
City of **Pembroke Pines**

2011 District Analysis and Redistricting Options

VPT Lab Project Summary • www.vpt.fau.edu

Personnel

Principal Investigators: Ann-Margaret Esnard, Ph. D. & Asher Soldwedel
Sponsor: City of Pembroke Pines, FL
Research Assistants: Nick Sofoul, Alan Alvarez



Study Area: City of Pembroke Pines
Current Commission Districts, Census Blocks, and Location of Commissioners

Project Description

The Visual Planning Technology (VPT) Lab created maps and documentation depicting population counts for city commission districts for the city of Pembroke Pines, Florida. The project was undertaken in order to give the city a detailed analysis in preparation for possible redistricting.

A digital basemap was created from the geographic data collected that included major landmarks, roads, neighborhood boundaries, and the current district boundaries. Census blocks were then digitally layered on top of the basemap. Population data collected from the US Census Bureau corresponded with the census blocks and thereby gave us an instrument to analyze each of the current districts.

The VPT Lab analyzed the current commission district populations and found that each district was still within a 10% deviation of the *District Population Average* for all four districts. Even though redistricting was not mandatory, there still existed an opportunity to increase compactness and lower the total deviation.

After conferring with City staff, the VPT Lab created four different district options according to the redistricting criteria: one that represented no change (Option One); one that represented minimal change (Option Two); one that represented a moderate change (Option Three); and one that represented a minimal amount of deviation from the District Population Average but created the most change (Option Four). The VPT Lab then created one additional option that presented the least amount of deviation from the district population average regardless of the criterion of minimizing the degree of change in pre-existing patterns of districts (Option Five).

FAU
VISUAL PLANNING TECHNOLOGY LAB
School of Urban & Regional Planning
Florida Atlantic University