Ideal Elderly Community Center Sites in Alachua County

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Project Goals

- To find the ideal locations for construction of three community centers for elderly.
- Purpose: Improving quality of life for elderly community.
- Ideal sites: Should best target the disadvantaged and elderly community population.

Criteria For Establishing Goals

Limitations

• Target Demographic

• Public Services

1st Criteria

Limitations:

- 1. Hazardous Waste Zones.
- 2. Sewage Treatment Facilities.
- 3. Solid Waste Areas.
- 4. Conservation Areas.
- 5. Superfund Sites.



2nd and 3rd Criteria

Necessities:

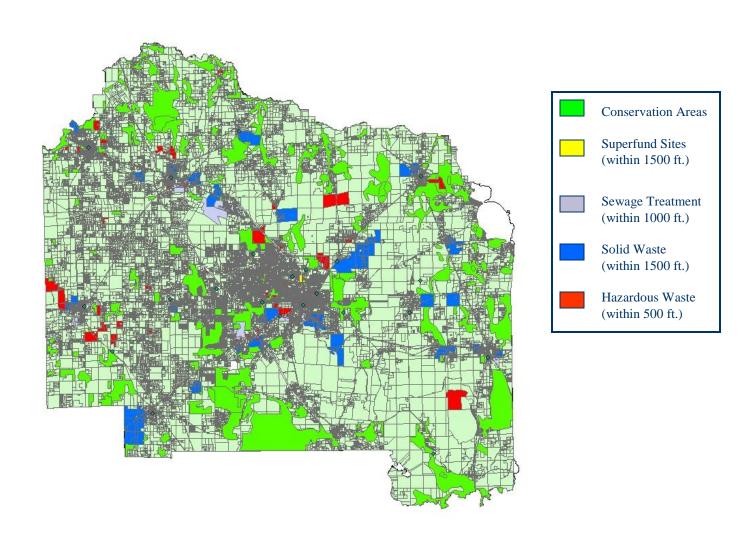
- 1. Demographics:
 - Senior citizens 65 years and older.
- 2. Public Services:
 - Bus routes.
 - Hospitals.
 - Fire stations.
- 3. Geography:
 - Parks and recreation.
 - Lakes.
 - Municipality boundaries.





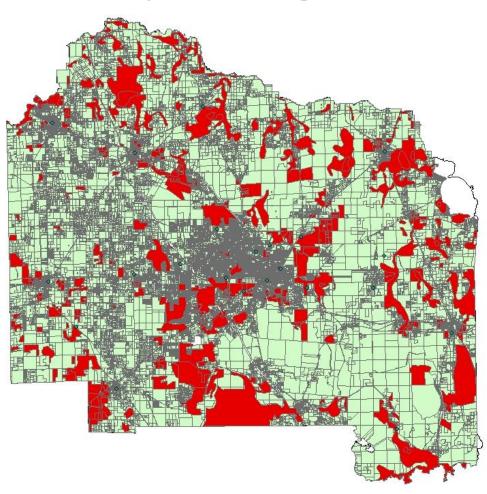
Data Layers Used Distinguishing Attributes municipalities parcels Geography lakes majrds (major roads) alachua county boundaries hazardous waste sewage_treatment Limitations solid waste superfund conservation areas Ala_empl_infoUSA (Alachua county businesses) fire_dept **Public Services** transit_routes (bus routes) hospitals schools Demographics cenblk01 (census blocks)

Hazard areas defined by varying distances.



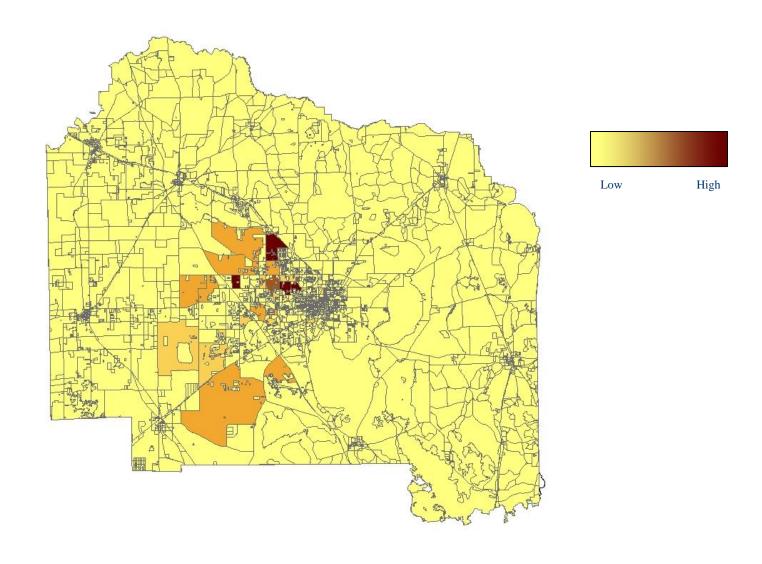
Bad Parcels:

All restriction criteria merged into one shape-file.

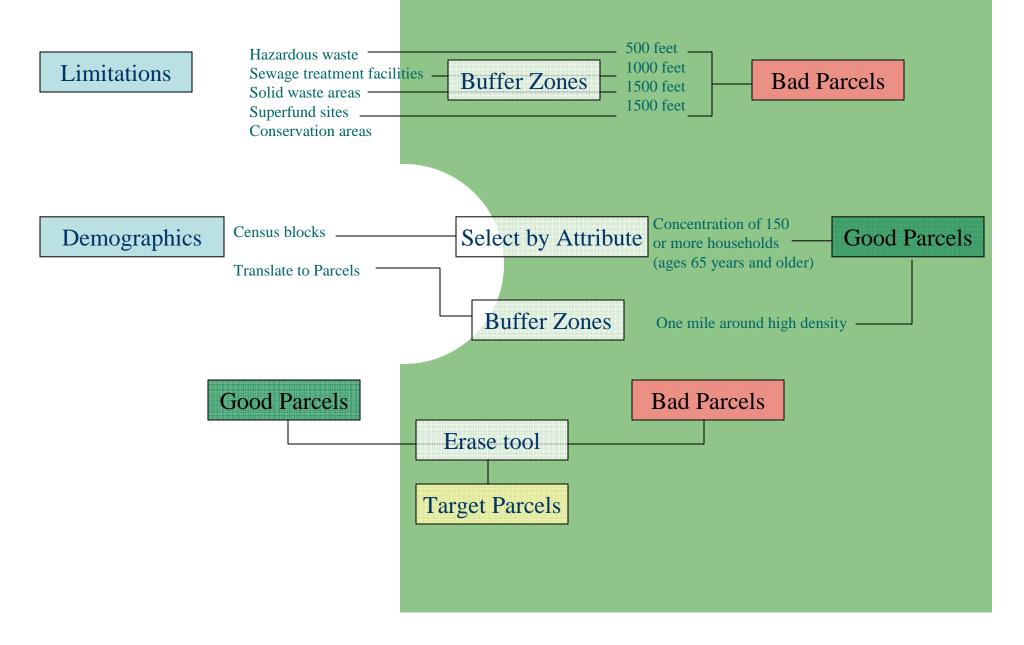


Target Demographics:

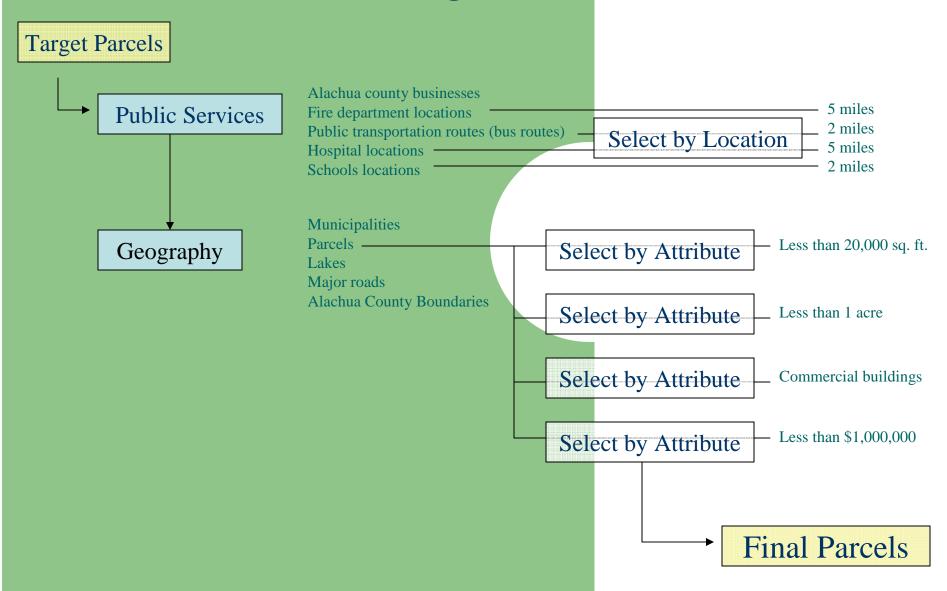
- Citizens 65 years and older



From Good & Bad to Target



From Target To Final



Narrowing Selected Features

By limitations

By fire s

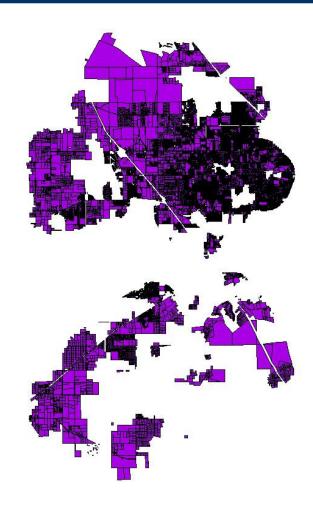
By hosp

By scho

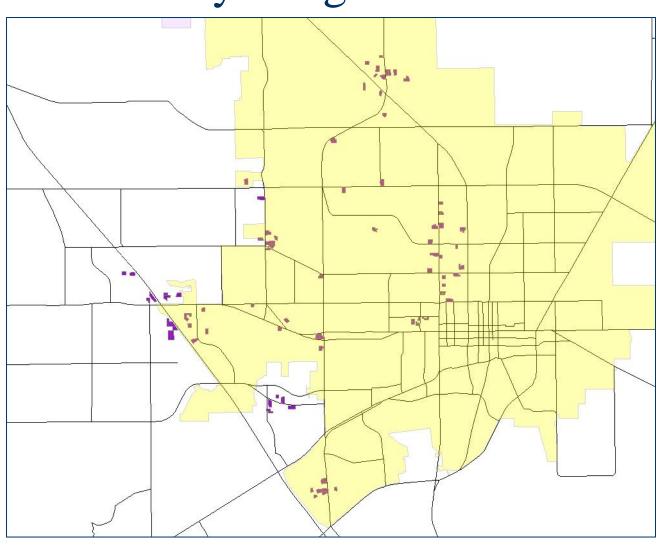
By bus 1

By squa

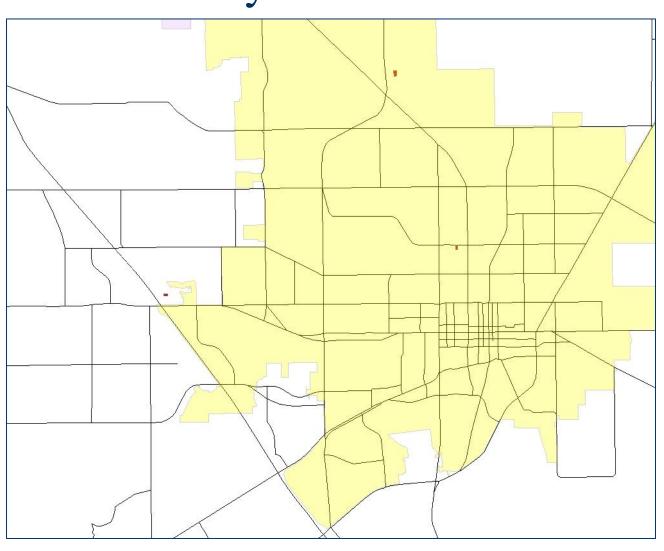
By acreage



Narrowed By Usage: 26 Parcels Left



Narrowed By Cost: 3 Parcels Left







Site 1



Site 2



Site 3