



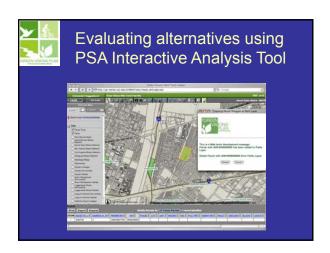
## P D

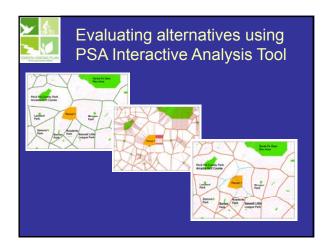
## Park Service Area Demographic Analysis

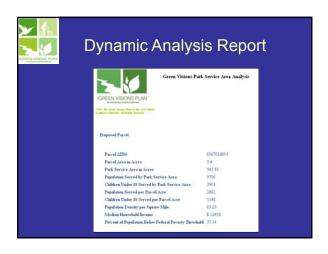
- Park service areas created by areas surrounding parks within which residents are closest to that park
- LandScan USA population data used in analysis to create PSA population counts/rates and median income, age, and race/ethnic descriptors
- PSA reports show park acres per 1,000 population and per 1,000 children/youth compared to GVP averages

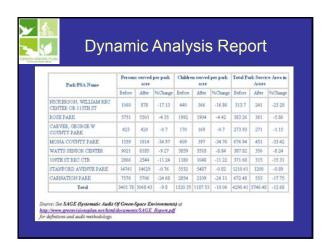


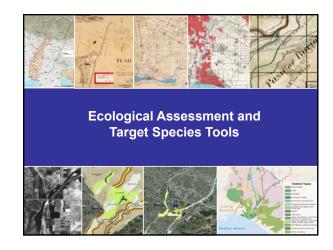


















## **Tool Development**

- Developed habitat models for each species based on habitat associations in California Wildlife Habitat Relationship (CWHR) Database and CALVEG coverage
- Prepared scripts to link predicted habitat and closest neighbors within dispersal distance of species
- Developed combined land use/land cover GIS coverage that replaces "urban" category in CALVEG coverage by triangulating with SCAG land uses
  - Used spectral similarity and expert opinion to assign wildlife values to some land uses
  - Example: "arboreta" treated like "mixed exotic woodland"



## Tool Development (continued)

- Habitat values from CWHR used to create a "friction" layer for each species
  - Land use/land cover map represents the difficulty of crossing the cell by the species
  - For each cell in the study area outside the predicted habitat for a particular species the "cost distance" was calculated to the nearest habitat
  - Path minimizes the distance traveled is not necessarily a straight line and maximizes the suitability of cells traveled through
- Five separate maps plus summary map available on web-based toolkit



