

# Determining Areas in Need of Trees in Los Angeles County

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## Los Angeles County Library Service Areas and Vulnerability

### Introduction

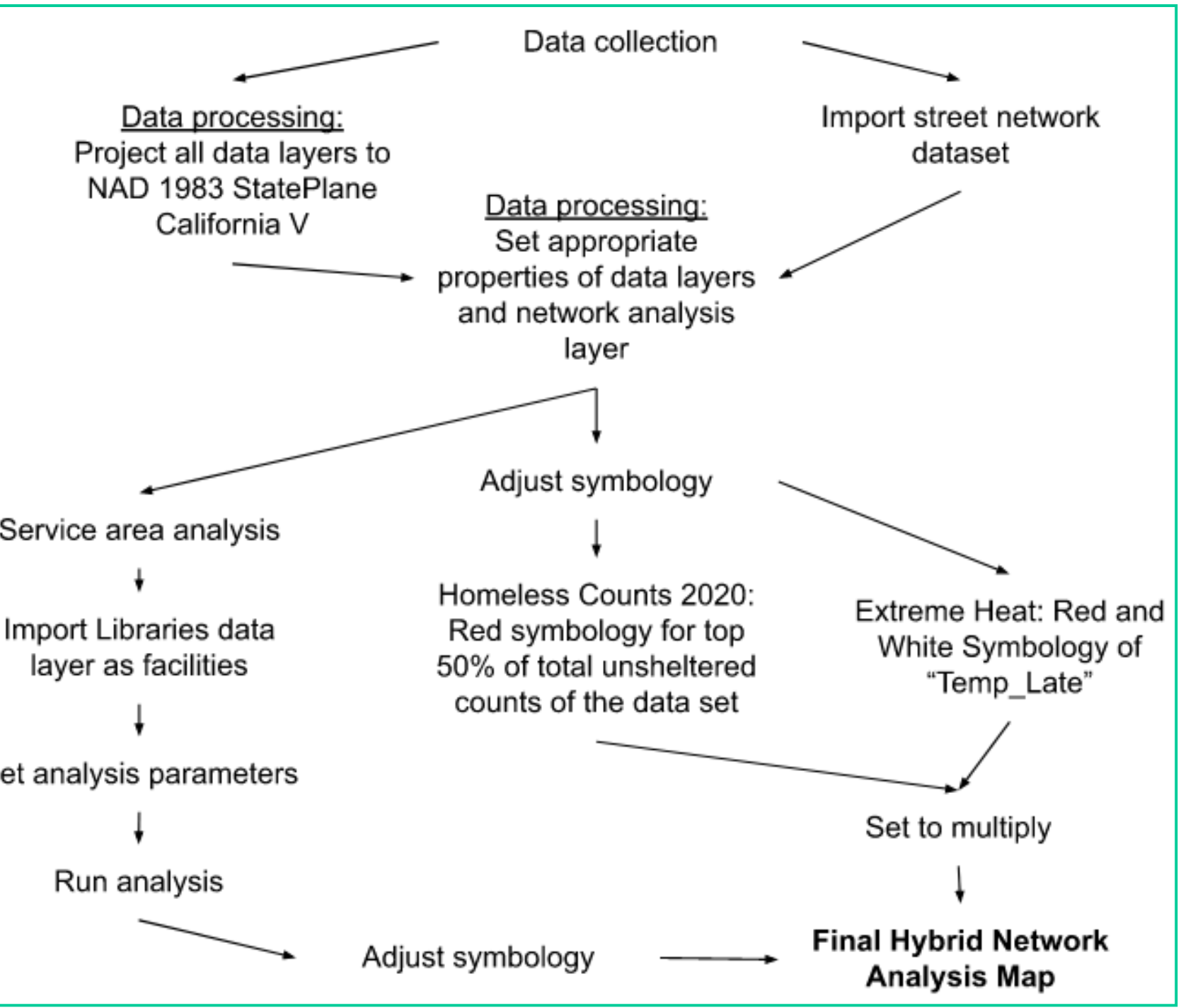
In our research, we plan to locate areas in need of tree planting due to low or non-existent tree canopy coverage. Tree planting has a lot of benefits on the environment and people's health, including providing shade (which helps to lower the outdoor temperatures), ridding of air pollutants, and absorbing runoff. We are presenting this to our client, the Los Angeles City Planning Commission, as we chose to analyze Los Angeles County due to the high anthropogenic activity and its environmental impact as a bustling city. In the following poster, we have included three types of maps: vector suitability, 3D NDVI surface analysis, and network analysis.

### Sources

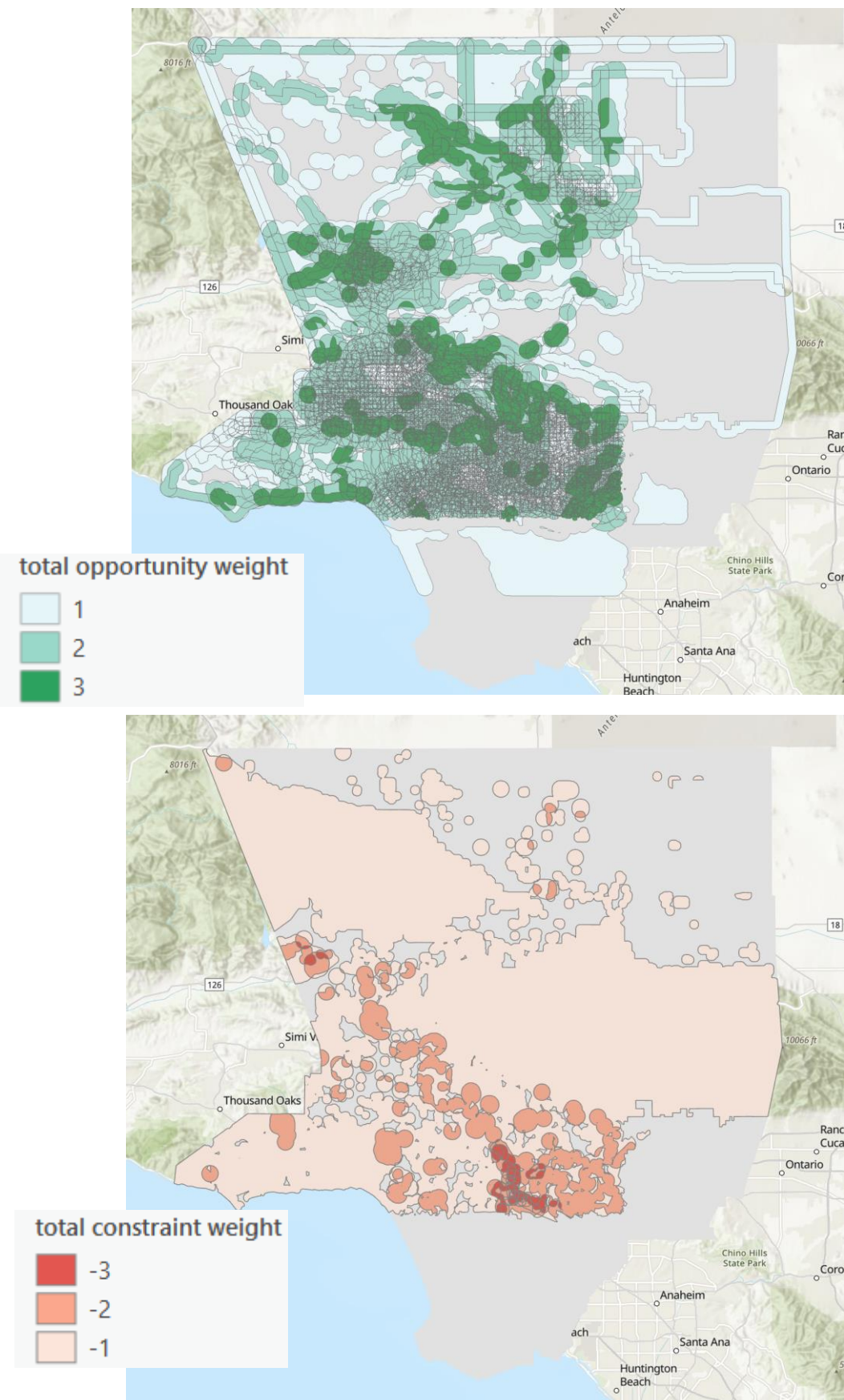
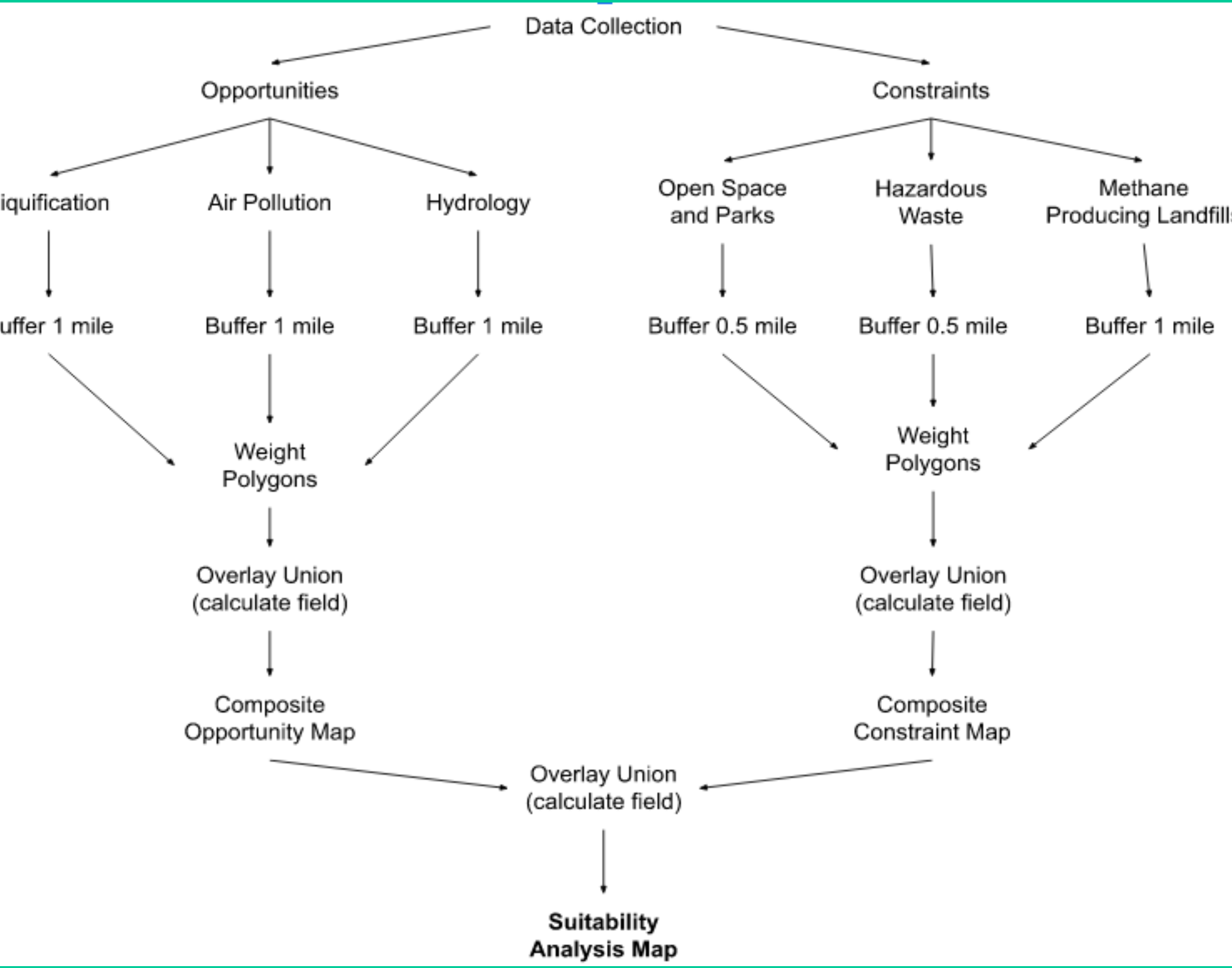
USGS  
Los Angeles GeoHub  
County of Los Angeles Enterprise GIS  
California Office of Environmental Health Hazard Assessment  
NASA  
ESRI  
LA GIS Hub

### Method

#### Hybrid Network Analysis Map

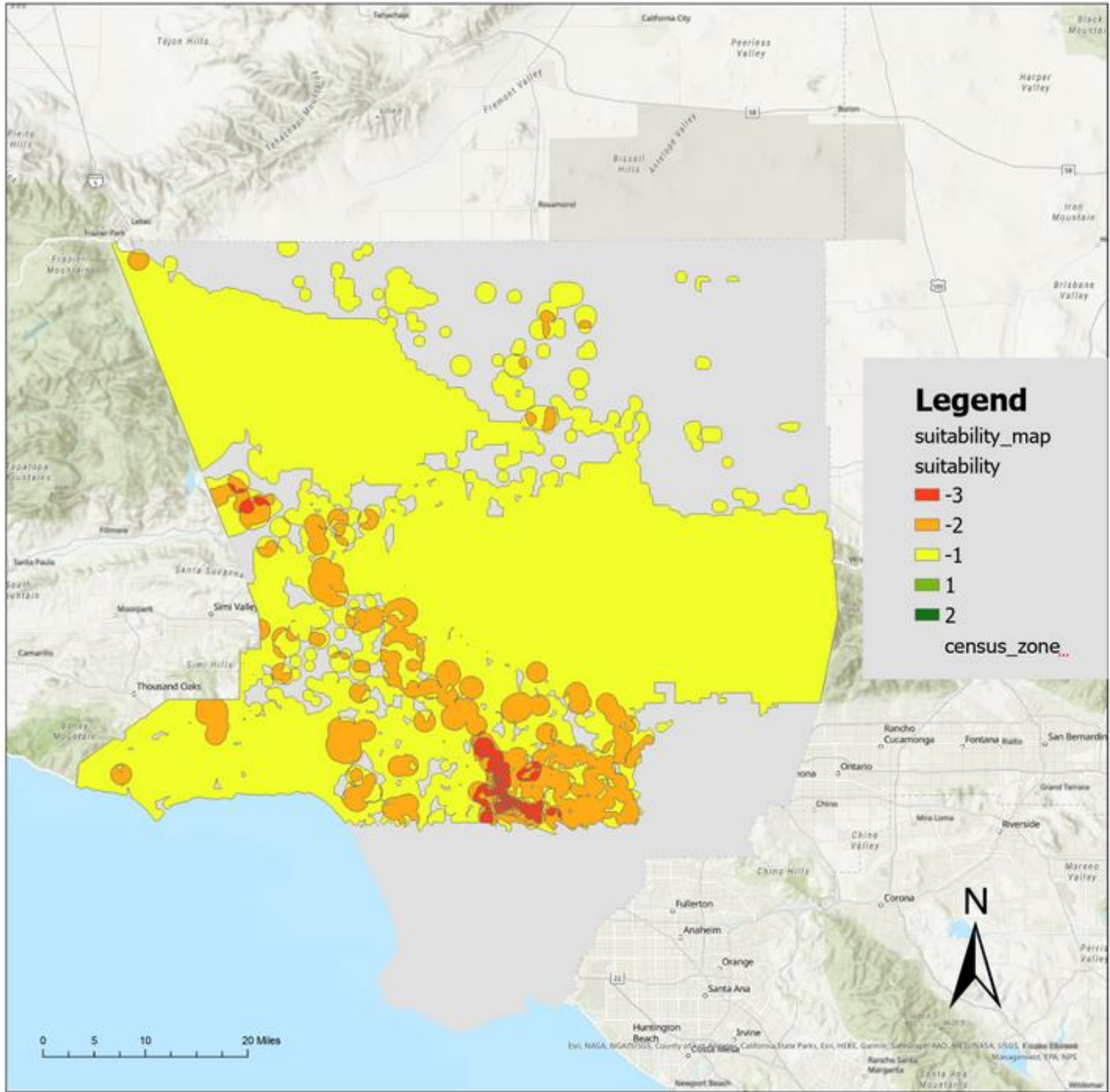


#### Suitability Analysis Map



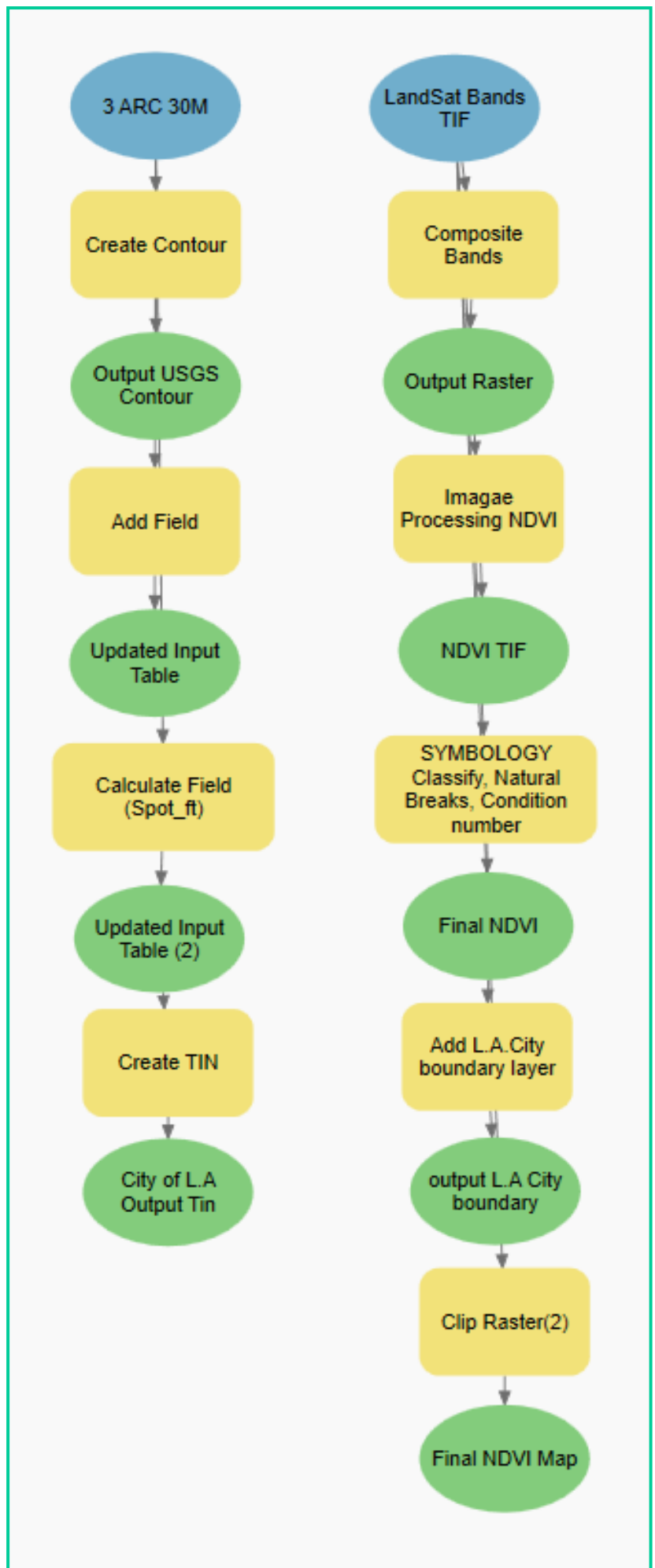
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### Los Angeles Tree Suitability Analysis



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#### NDVI Map



#### Ecostress Map

