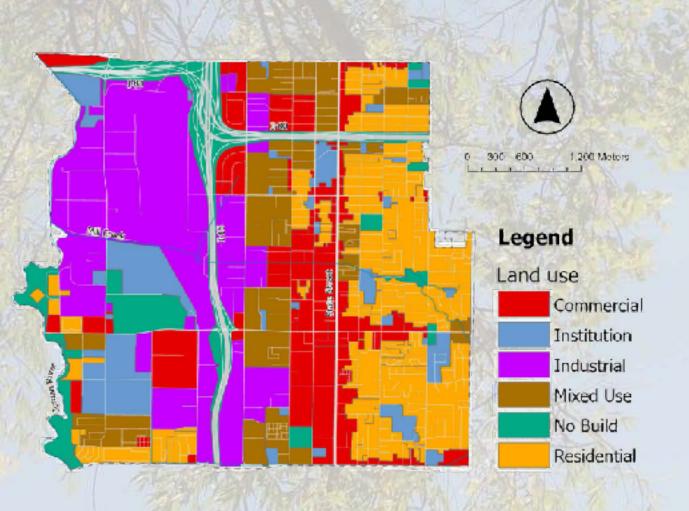


South Salt Lake zoning and demographics

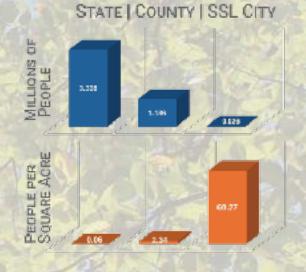




26,312 PEOPLE (2020)



3,857
PEOPLE
PER SQ MILE



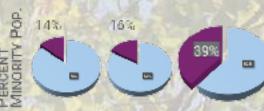


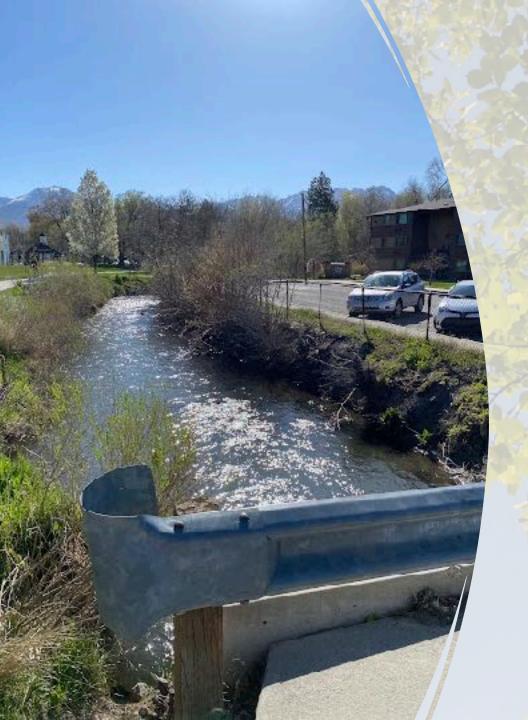
\$57,294 MEDIAN HOUSING INCOME (MHI)





39% Minority Population





Importance of Urban Trees

- 1. Improved ecological services
 - a) Air quality improvement
 - b) Shade
 - c) Wildlife habitat
- 2. Enhance human well being
 - a) Improved mental health
 - b) Improved community cohesion
- 3. Minimizes local effects of climate change
 - a) Assist stormwater runoff management
 - b) And urban heat mitigation

Bioregional Management and Policy Class

 The class is part of the Landscape Architecture and Environmental Planning Department at Utah State University.

 Course focused on real-world applications of urban planning principles.



Objectives of the Project

- Assess the impact of trees on the city
- Identify optimal tree planting areas in South Salt Lake City
- Initiate implementation of our tree planting plans!



Strategic Impact Areas

Hydrology

DEM, Land Use, Slope, Soil Groups

Urban Heat

Building Density, DSM, SMI, NDVI, LST

Human Health

Urban Heat, Sound Pollution, AQI, Green Spaces, Health Facilities

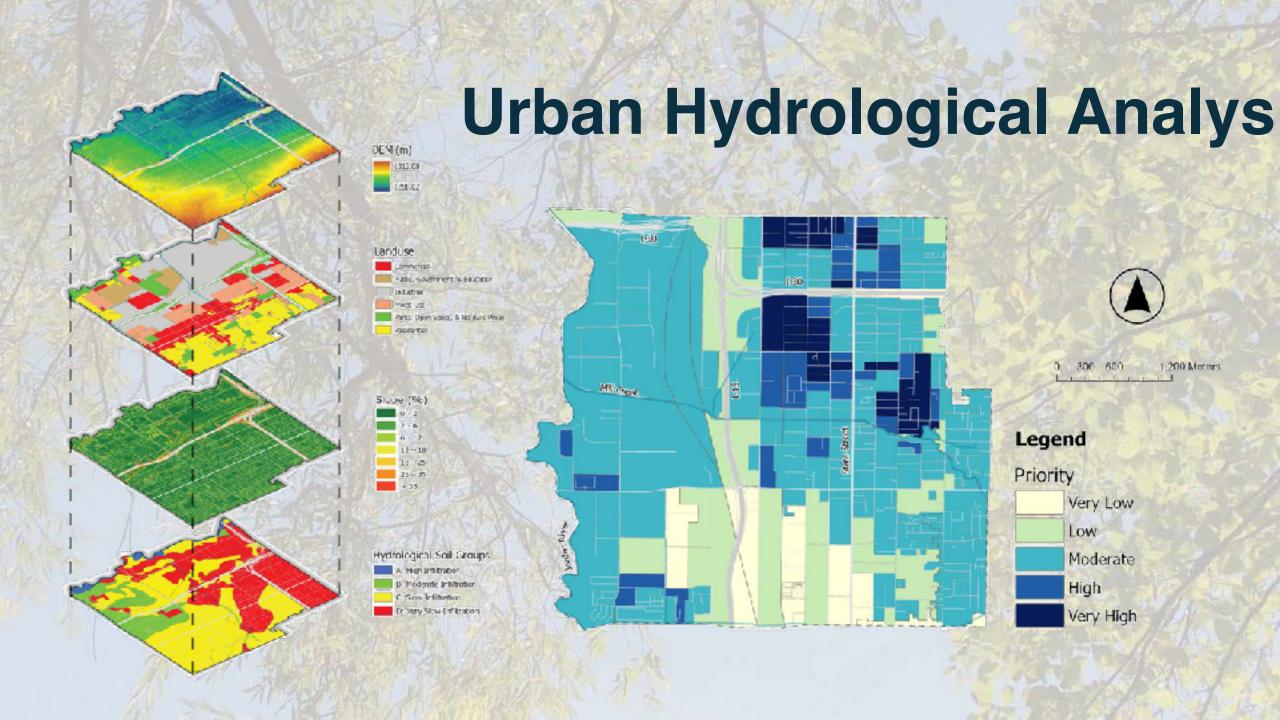
Social Equity

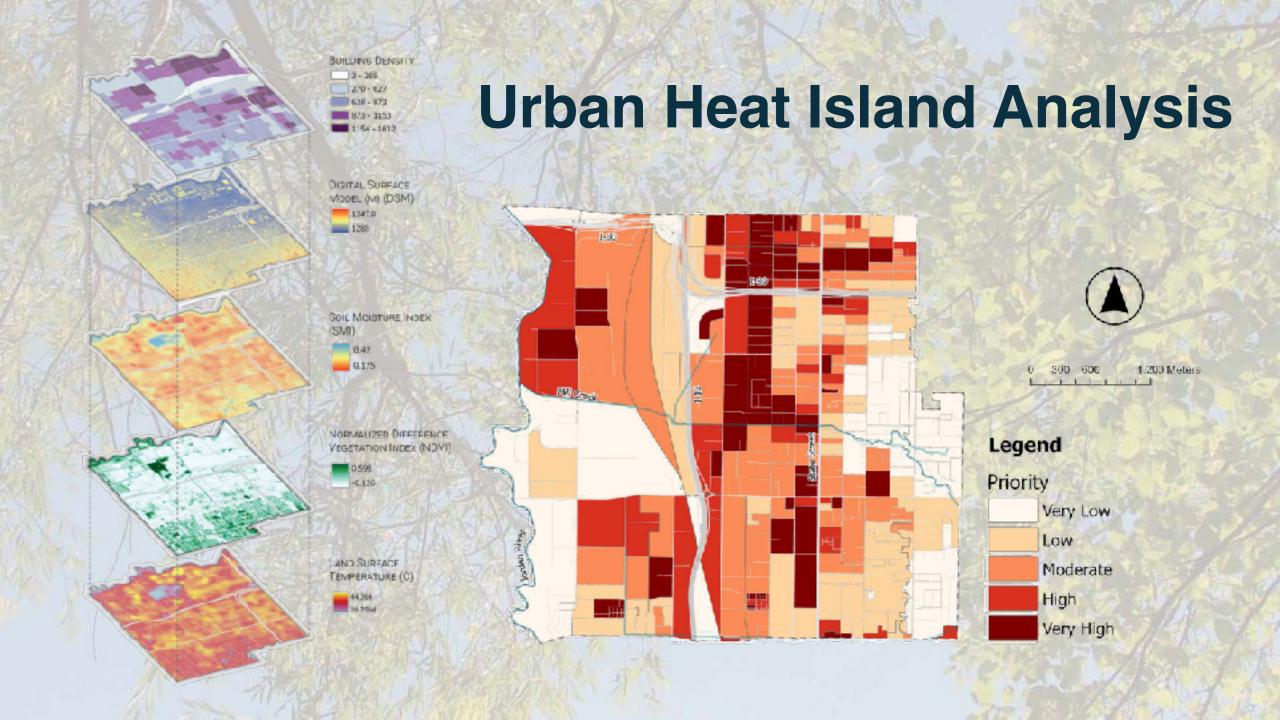
Median Income, Renter Housing, Disabilities, Minorities, Old, Child, Population Density

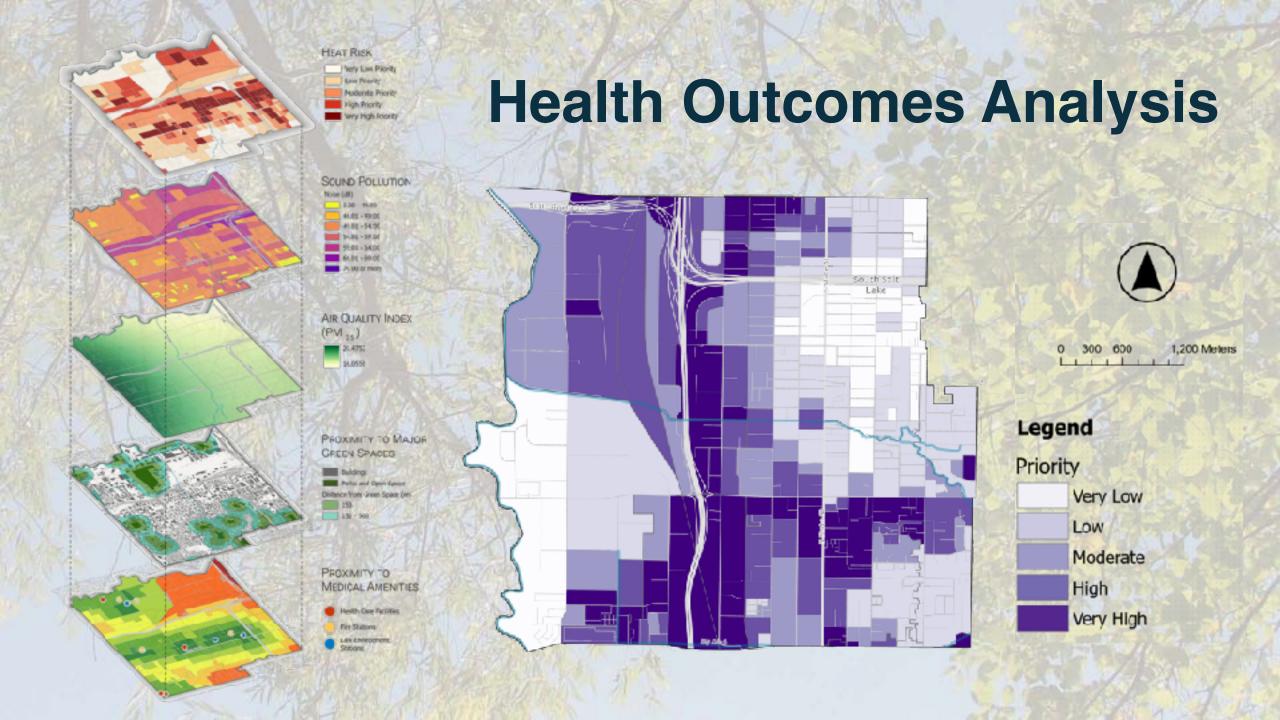
Biodiversity

iNaturalist Species, Tree Detection

Synthesis Results







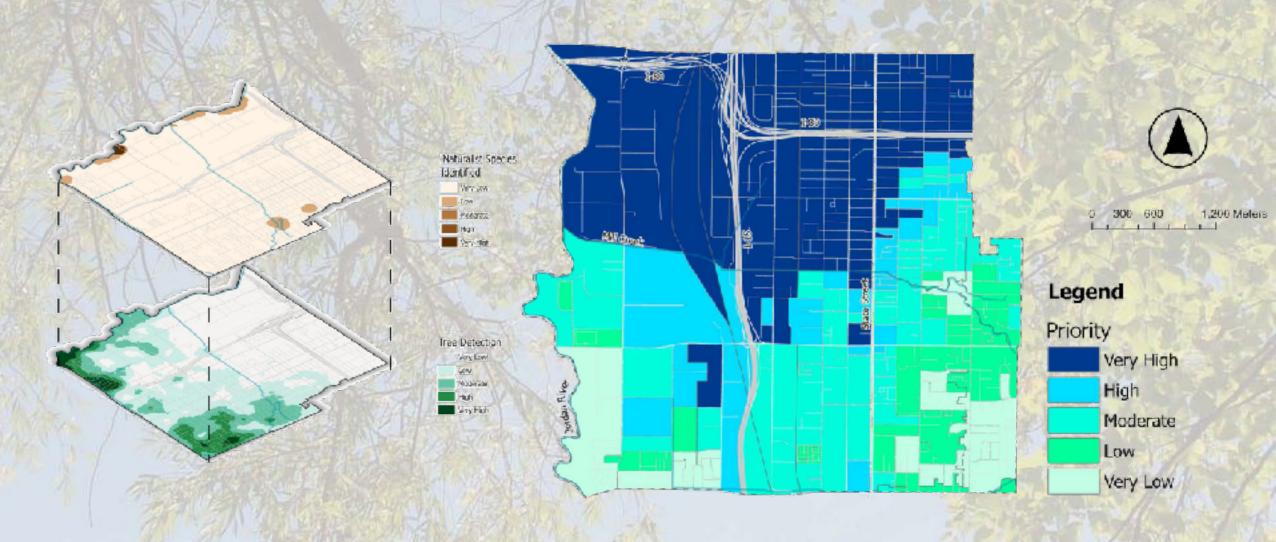
MEDIAN HOUSEHOLD INDONE (C) 42006 - 46457 494(1-5580) **Social Equity Analysis** 53481 - 62009 62039 - 7346 73446 - 92798 NUMBER OF RIGHTERS 0-26 24 - 57 59 - 79 79-12 1.80 DICADLED POPULATION (%) 0-2 30×31 12-16 17 - 19 20-12 MINDRITE POPULATION (%) 0 300 600 1,200 Meters 0-9 100 - 10 MVI Crowk 34-45 465 - 581 69 - 100 POPULATION OVER 65 VEASE OLD (PPA) Legend 9.06 - 9.36 0.15-134 1.05 1.042 **2.42-17** Priority MAJE-9833 Very Low POPULATION UNDER 5 YEARS OLD (PPA) Low 10 to 10 kg Moderate 0.46-1.3 1.4-2.7 2.8 -6.4 High 6.5-11 Very High POPULATION. DENSITY (PPA) 7 - 85 38 - 58

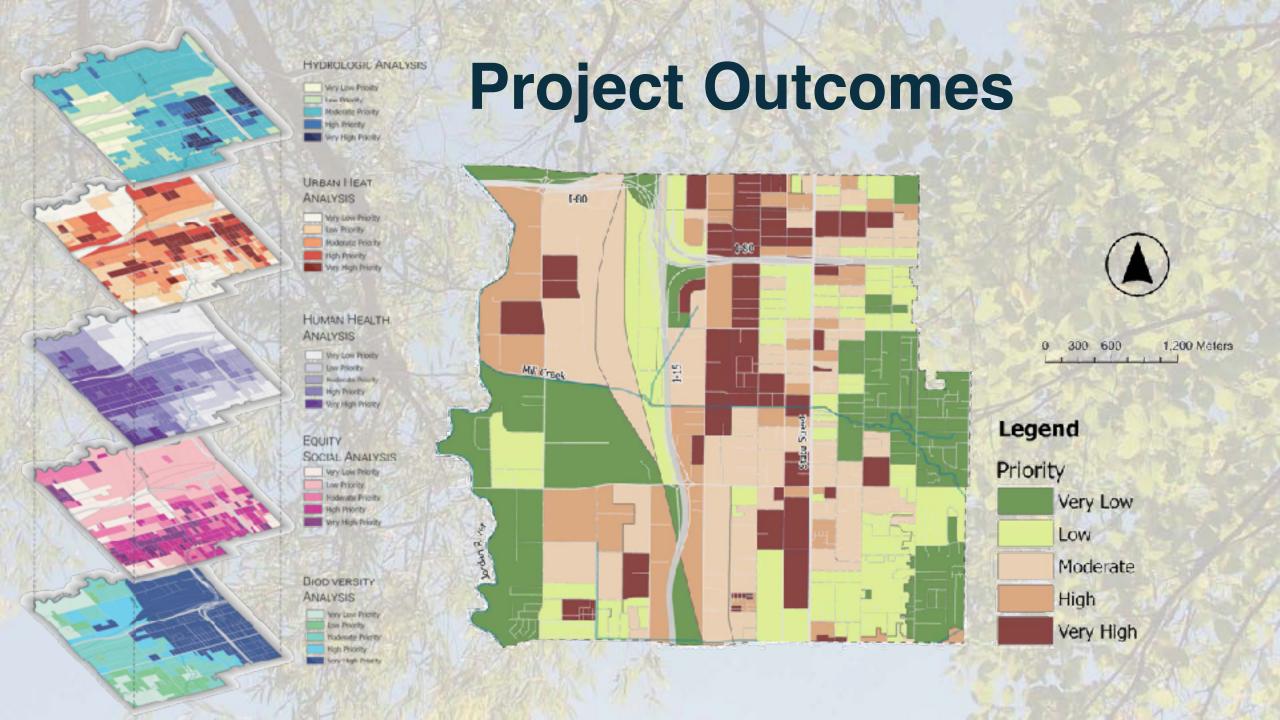
Biodiversity and Ecosystem Health





Biodiversity in South Salt Lake City





Creation of Informative Website



PURPOSE

This project aims to identify optimal pre-planting locations in South Salt Lake ISSLC by analyzing hydrology, urban head, equity factors, human health, and, blockwardly, integrating these prospections identifies are as with the highest potential for multifaceted benefits from their planting in SSLC.

Our collaboration with the City of South Saltituke through public engagement sessions has arriched our understanding and ensured that our findings align with community needs and aspirations.

Analysis Topics

Click on the tepics to view more information on each analysis.











 https://sites.google.com/view/ laep6120-tree-planting-in-sslc

Community Engagement Results

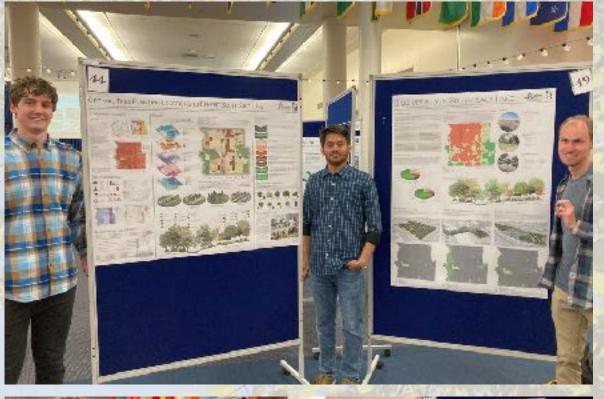
- The Completed a tree planting project with TreeUtah
- Multiple trees
 planted in the city
 and shrubs for
 riverbank
 stabilization



Submission to USU Community Engagement Conference

 Presented key findings at the USU Community Engagement Conference.

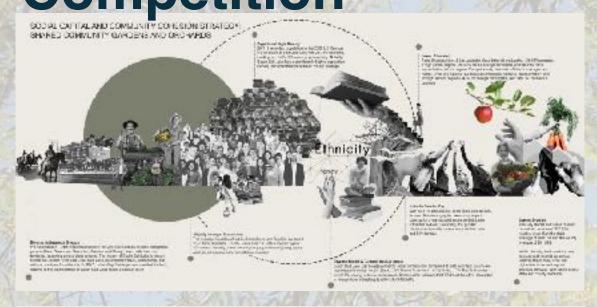
 Shared the project's objectives and the importance of tree planting in urban environments.

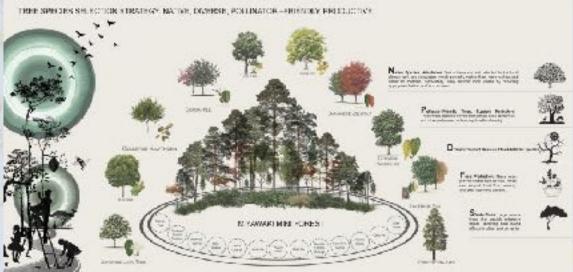






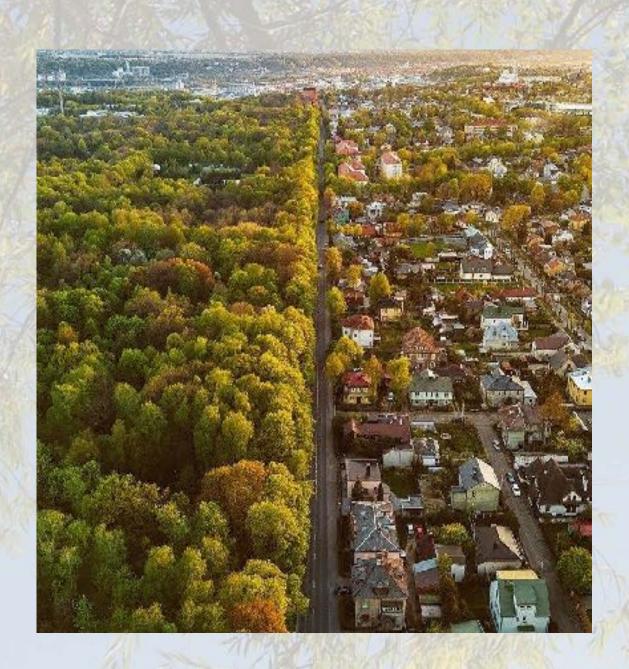
Entry into UT ASLA Student Poster Competition











In Closing

- The urban forest can be tool for adapting cities to a changing climate
- Tree planting plans can assist cities with making the most impactful decisions with their resources

