FOOD INSECURITY:
INTEGRATING GEOSPATIAL TECHNOLOGY TO AID IN SOIL MANAGEMENT IN URBAN AGRICULTURE, FORT WORTH, TEXAS

ABSTRACT

In Tarrant County, Texas, food deserts affect approximately 275,000 residents. Chronic health conditions affect households living in food-insecure communities, leading the government to spend billions of dollars treating preventable diseases. Implementing sustainable urban agriculture in areas of high need to produce food using geospatial technology to aid in soil management can play an important role in helping farmers. The objective is to create an urban soil analysis map from the data collected on the soil properties, distribution, and variability of how these properties affect landscapes.

Nunez, Ursula
Master of Science, Geological Sciences