

# Chadek Property Community Garden

Soil Genesis and Geomorphology Class  
 Dept. of Earth and Environmental Sciences  
 University of Iowa



- ## Purpose
- Evaluate suitability of property for community gardens
    - Physical condition of soil
    - Chemical properties of soil
  - Recommend most suitable part of the property for gardens
  - Recommend soil amendments if needed

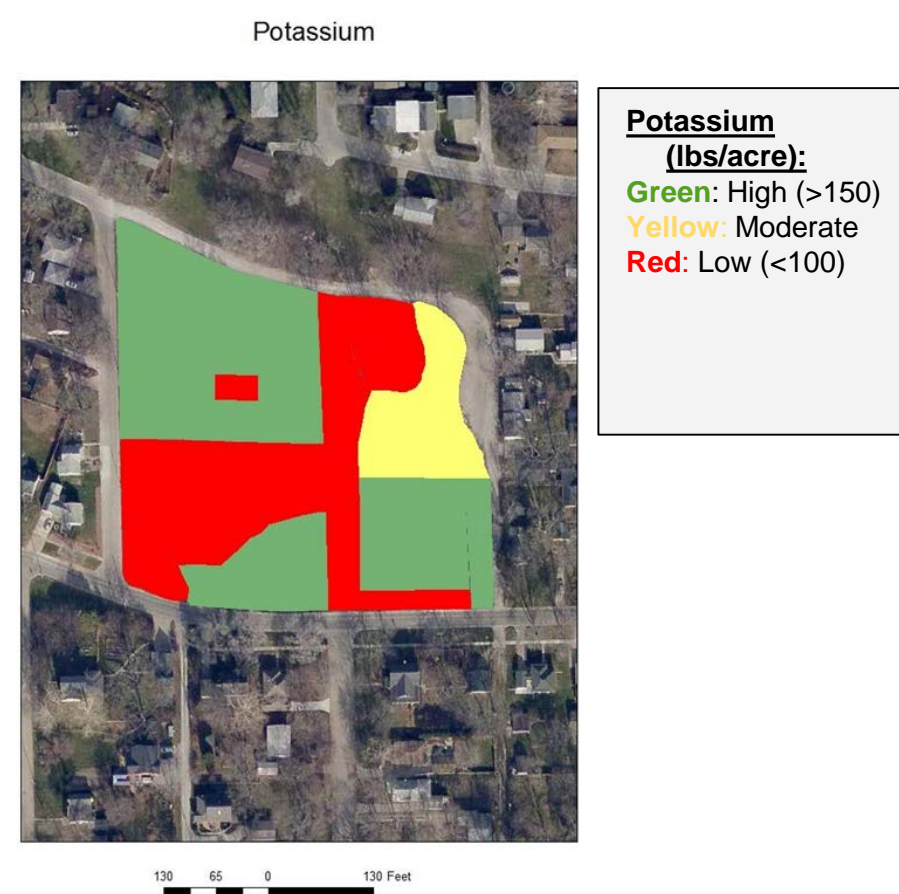
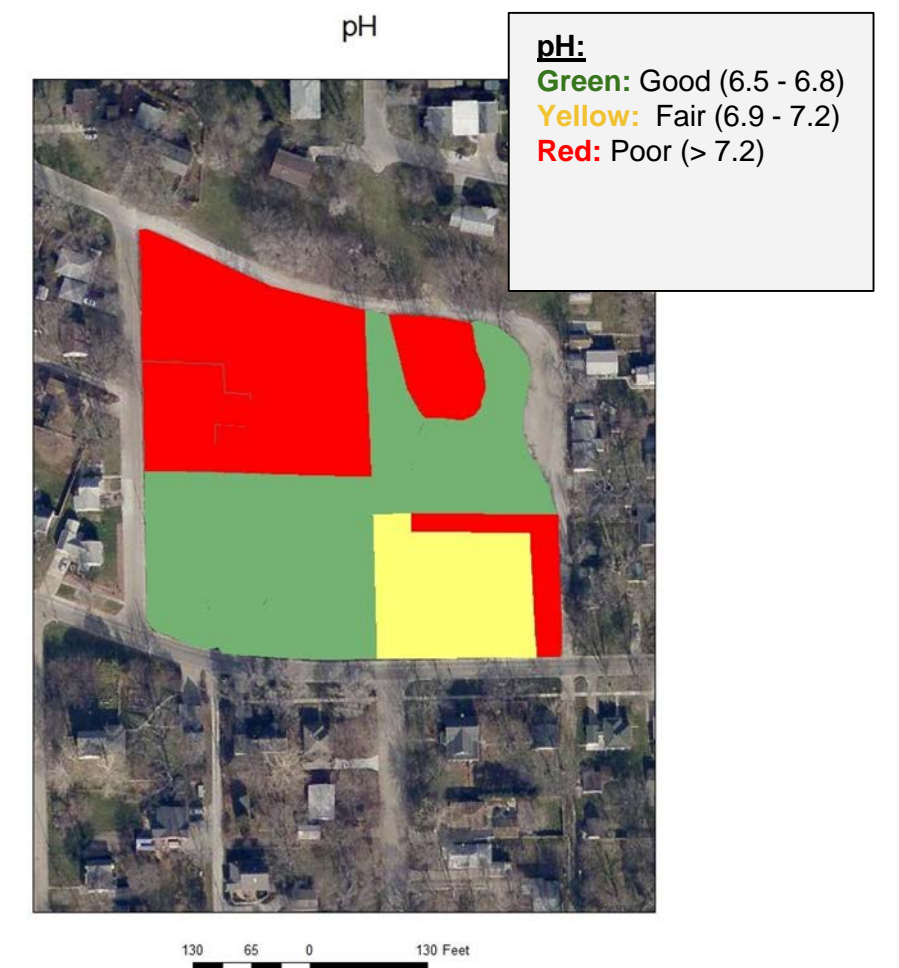
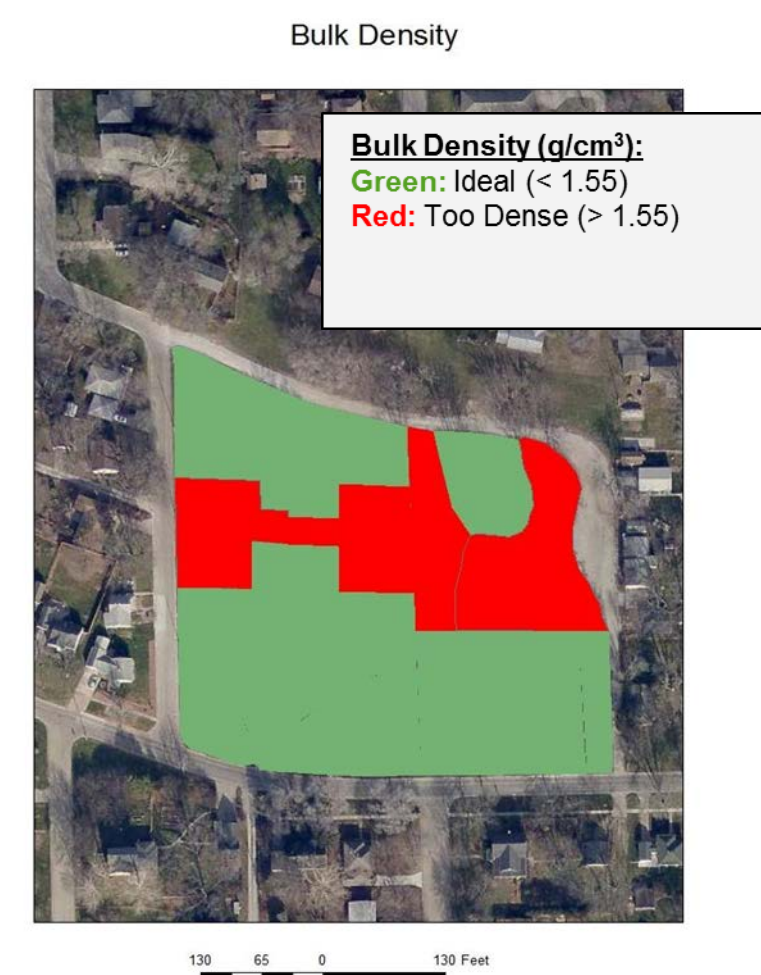
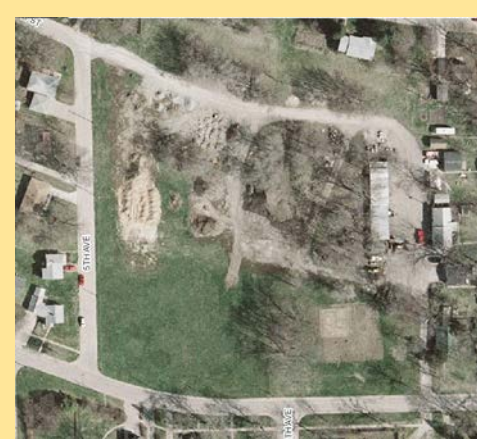
- ## Methods
- Determine site history
  - Field examination of soils
  - Laboratory analyses

## Field and Laboratory Study

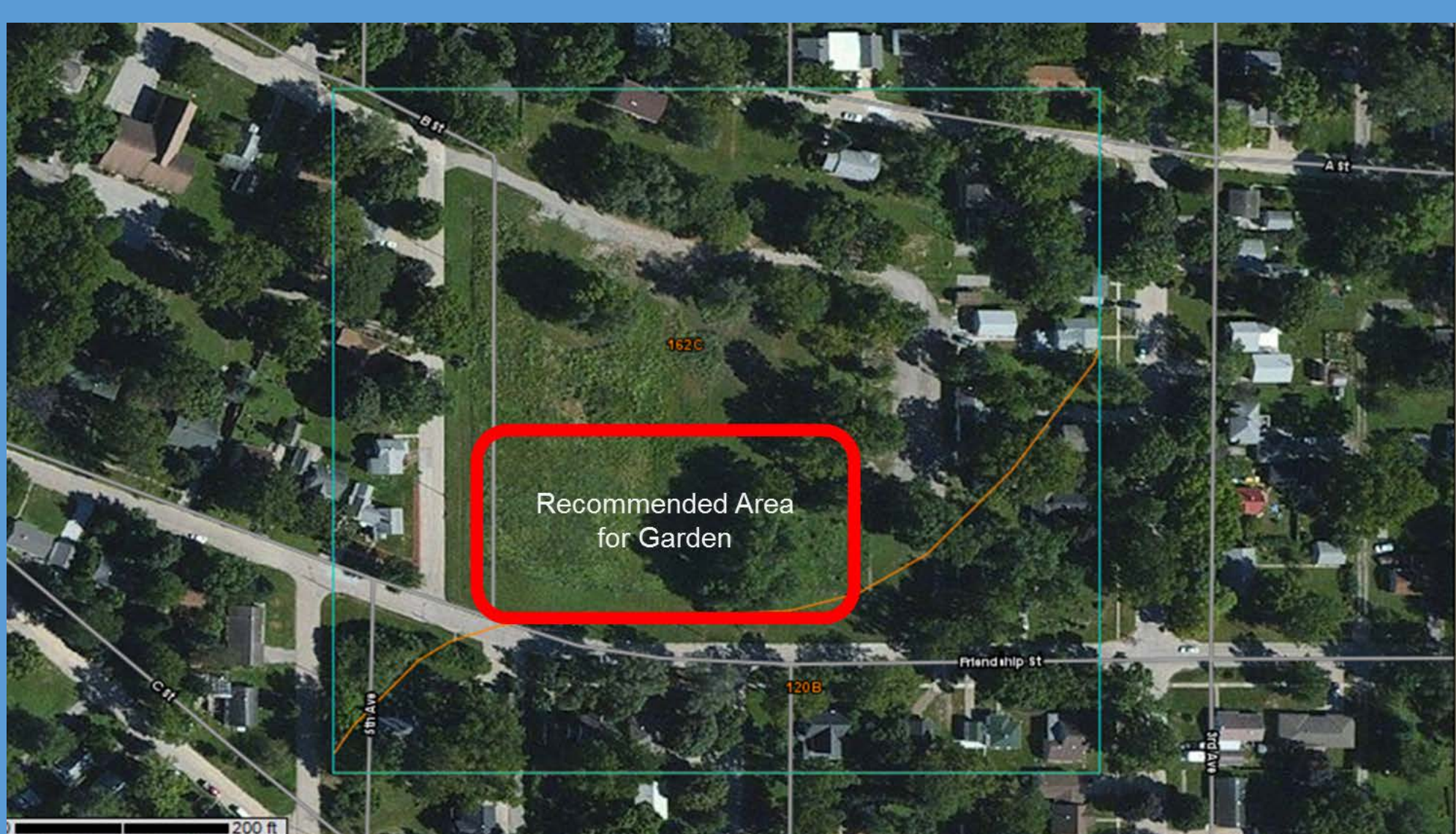


## Site History

- 1895: Land purchased by W.F. Main.
  - Built a four story L-Shaped brick building
  - Originally manufactured costume jewelry
- 1920: Puritan Manufacturing Building
  - Coal burning furnace and engine room
  - Rock Island and Pacific Railroad on north side of building with 2 sets of tracks leading to the building
- 1933: Building owned by Iowa City Savings Bank
  - Wood and concrete pillar manufacturing
  - Manufactured perfume bottles
  - Stored used machinery in building
  - 1934-1937: Boehner-Fry Extract Company, Franklin Prince Company, and the National Hybrid Seed Corn Company occupy building
- 1937: Building burned down
  - Railroad tracks still present on property
- 1952: Site purchased by Mr. Carl Chadek
  - Utilized as a play area for neighborhood children
  - dirt and gravel storage for trucking
- 2008: Site purchased by the City of Iowa City



## Recommendations



- Avoid northern half of property due to poor physical soil conditions
- Apply annual compost treatment to build organic matter and nutrient content of soil