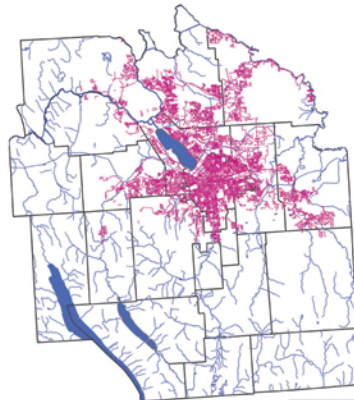# onondaga greenbelt

SAMUEL GORDON, PLAN·IT | TYLER ANDRE, ONONDAGA ENVIRONMENTAL INSTITUTE | CLINTON SMITH, LEMOYNE CURAR

Greenbelts can serve a variety of functions for an urban region: they can serve as recreational corridors, they can create new and preserve existing habitat areas that enhance the local ecology, they provide important areas for environmental education, and they can assist with defining urban edges for effective growth management.
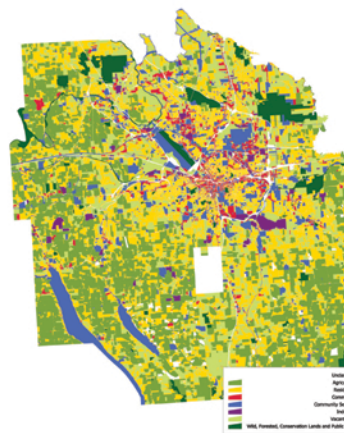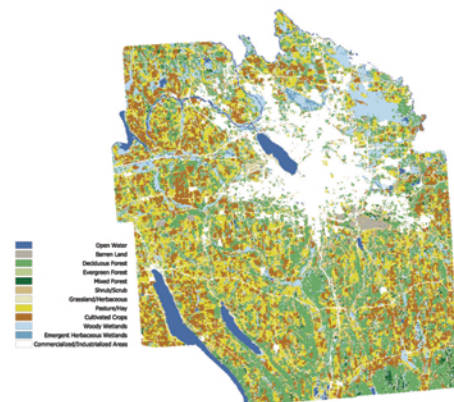
ONONDAGA COUNTY WATERWAYS

ONONDAGA COUNTY SEWER INFRASTRUCTURE

ONONDAGA COUNTY LAND USE
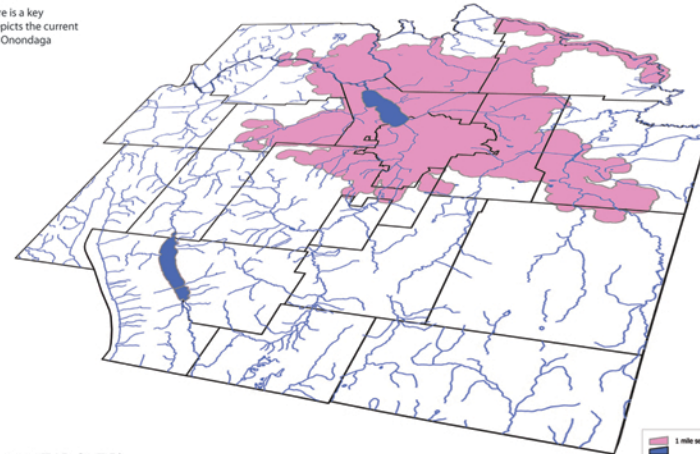

ONONDAGA COUNTY LAND COVER

Greenbelt:

is a term commonly applied to the development of a protected zone of undeveloped, wild, or agricultural lands surrounding urban areas.
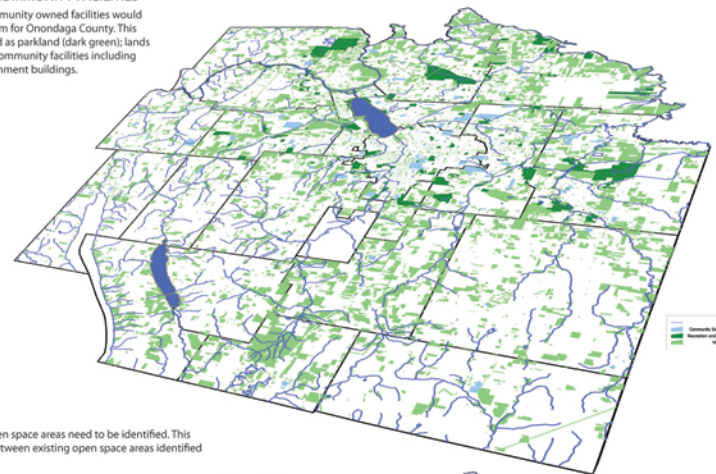
Abstract:

Onondaga Greenbelt is a collaborative project utilizing parcel level data for Onondaga County, aerial photography, New York State land cover data, and land use data along with geographic information systems spatial analysis tools to identify the potential for the development of a greenbelt system for Onondaga County. Onondaga Greenbelt is intended to provide a foundation for which Syracuse and Onondaga County could begin to explore a regional growth management strategy that incorporates existing water resources (ie. lakes, rivers, and streams), existing and proposed regional trail systems, existing protected lands (ie. parks), along with other publicly owned (ie. schools and government facilities) and privately owned (ie. office parks and colleges) lands to create a regional matrix of important and ecologically sensitive protected zones.
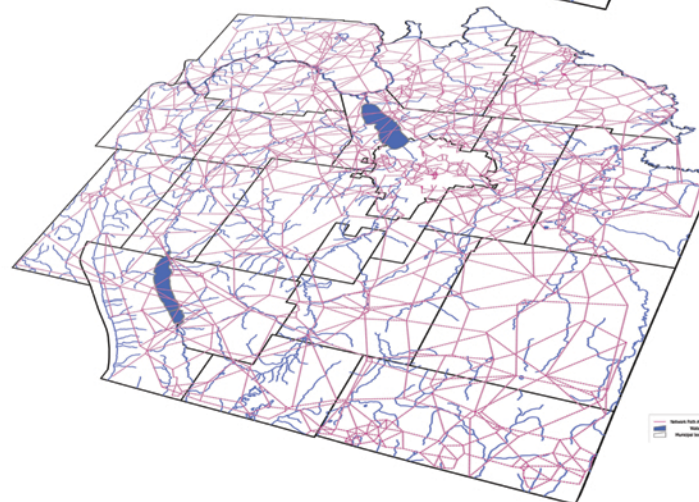
SEWER INFRASTRUCTURE BOUNDARY

The extension of sanitary sewer infrastructure is a key determinant of urban growth. This image depicts the current extent of contiguous sewer infrastructure in Onondaga County.

PARKLAND, OPEN SPACE, AND COMMUNITY FACILITIES

Existing parkland, vacant lands, and community owned facilities would form the "backbone" of a greenbelt system for Onondaga County. This image depicts lands currently designated as parkland (dark green); lands designated as vacant (light green); and community facilities including schools, colleges/universities, and government buildings.
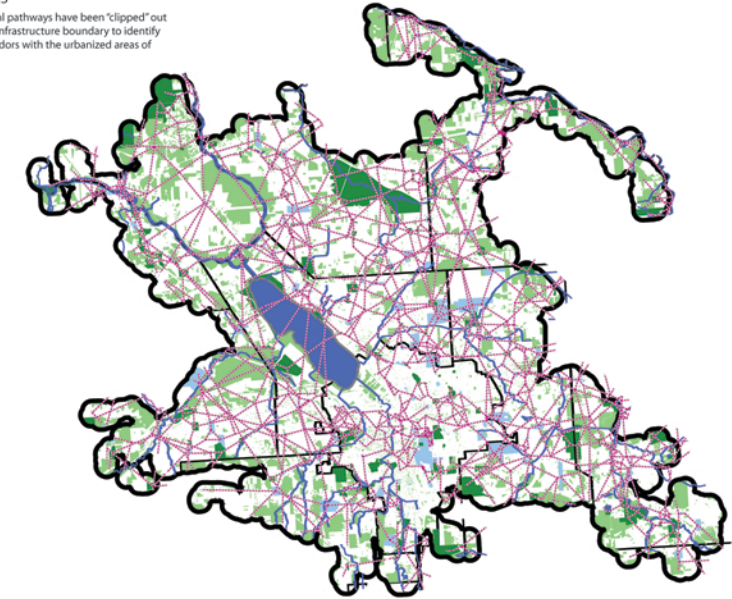

NETWORK ANALYSIS

Potential pathways between existing open space areas need to be identified. This image depicts the potential pathways between existing open space areas identified in the analysis above.

NETWORK SYNTHESIS

Concentrations of potential pathways have been "clipped" out within the existing sewer infrastructure boundary to identify potential open space corridors with the urbanized areas of Onondaga County

PRELIMINARY FINDINGS

Potential open space areas and corridors are identified, areas depicted in green connote areas that could become part of the greenbelt system. The dotted red lines indicate potential recreational routes within the system. These findings are of a preliminary nature; further analysis is required to establish more defined corridors.

LYSANDER
VAN BUREN
CLAY
CICERO
GEDDES
SALINA
DEWITT
MANLIUS
ELBRIDGE
CAMILLUS
SYRACUSE
MANLIUS
MARCELLUS
ONONDAGA
SKANEATELES
ONONDAGA NATION
LAFAYETTE
POMPEY
OTISCO
SPAFFORD
TULLY
FABIUS

N