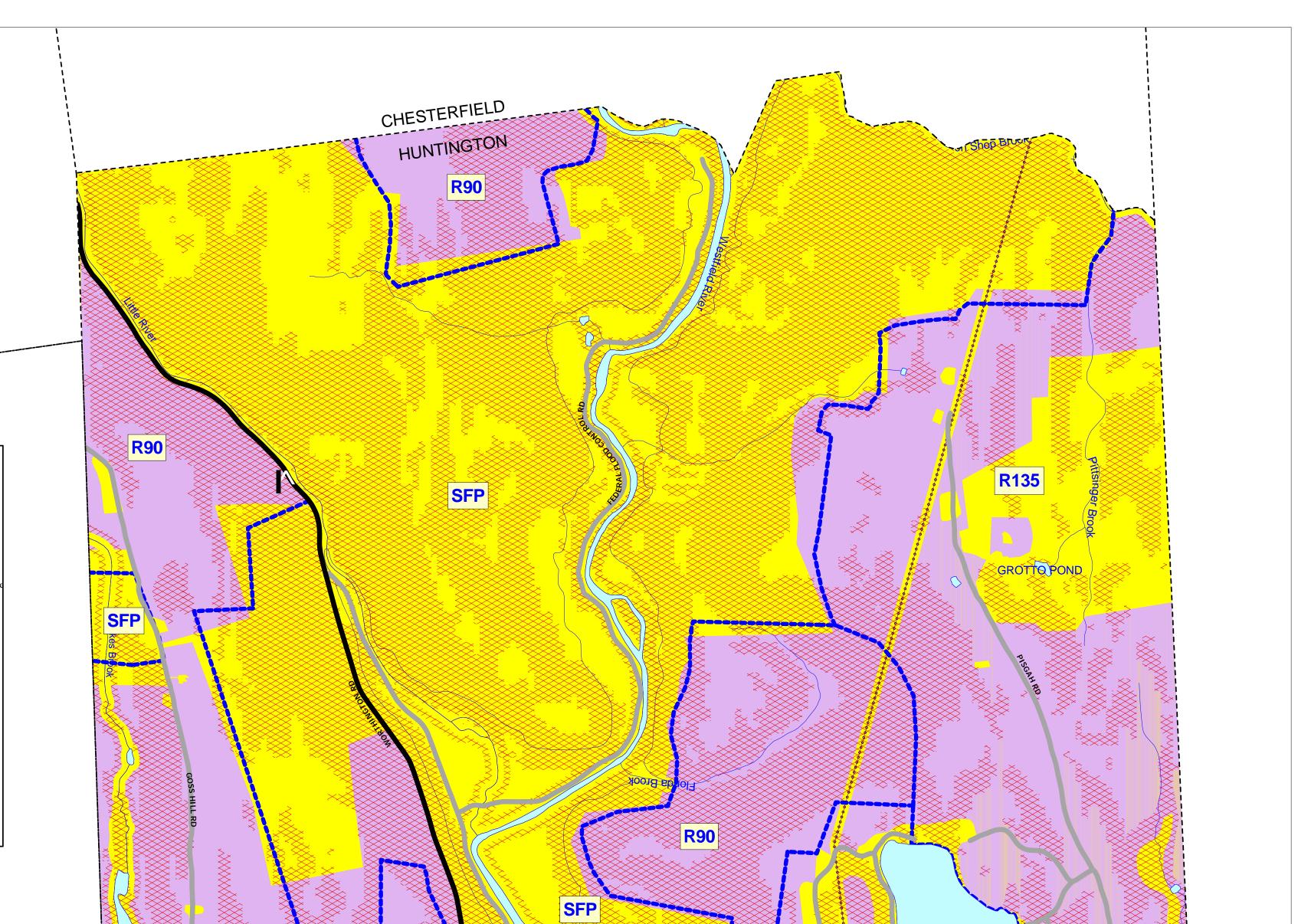North
Huntington,
Massachusetts

Methods

This buildout analysis is used to determine developable land area for both commercial and industrial zoning districts. Digital and hard copy data is collected. Digital zoning data is updated. Other existing digital data is gathered from a variety of sources including MassGIS, the community, Massachusetts Highway Department, and federal sources. Zoning, open space, land use, hydrography, environmentally sensitive areas, wetlands, Rivers Protection Act buffers, flood zones, slope, soil, orthophotography, rail lines, road networks, and political boundaries are utilized to different degrees. Additional layers are created that included miscellaneous features that were determined to be undevelopable, an update of the most recent MacConnell Land Use, and a layer of recent subdivisions since the last MacConnell update.
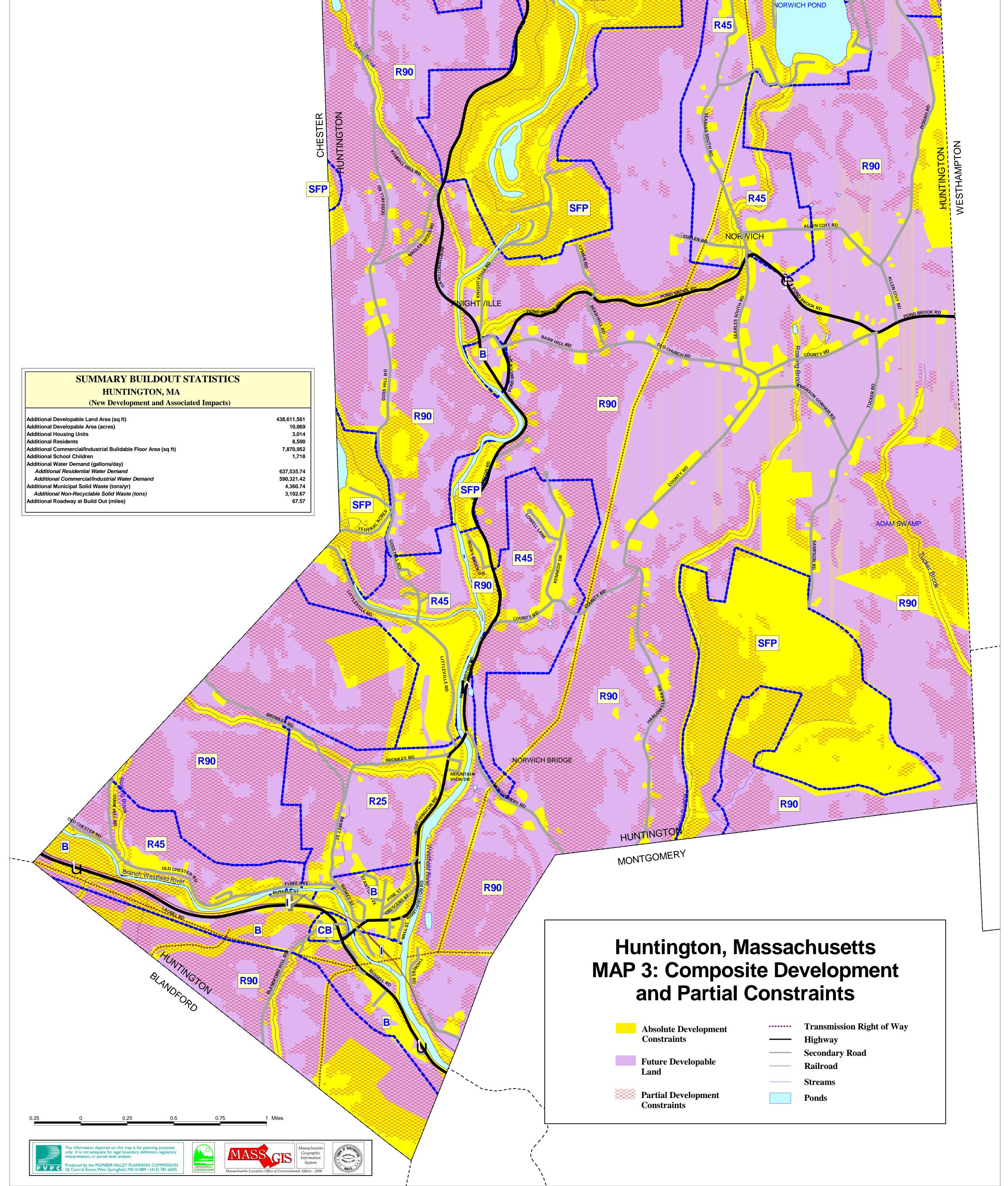
The developed land data from the aggregated land use categories in the MacConnell Land Use layer provided by MassGIS. The aggregated developed land categories are spectator and water-based recreation, residential, commercial, industrial, transportation, and waste disposal.

The GIS analysis consisted of subtracting layers from zoning. The remaining developable land area represented on MAP 2 is aggregated by zoning category.

To determine the number of future buildable residential lots by zoning category a formula was developed to determine the land requirements of a typical lot in each category. The land requirements factor in required frontage multiplied by half the road right-of-way to determine road area. This figure varies form zone to zone. Additionally 10% is subtracted from each zone to cover miscellaneous variables such a odd lot shapes. Commercial and Industrial buildable lots were determined using an "effective" floor area ratio technique.

The analysis determines developable square feet of commercial and industrial areas. For each commercial and industrial zoning district, the major alternative land uses were examined in relation to the height limitations, maximum allowable percent lot coverage and parking requirements. An effective floor area ratio (FAR) for all use categories (e.g., offices, warehousing) in a particular district is developed for analysis purposes. An effective FAR for a district is estimated by averaging the FARs for the various potential land use types. Note that where FARs are not detailed for zoning districts in the by-laws an estimated FAR is derived for similar zoning districts by multiplying the percent lot coverage by the number of 10-foot-tall stories that could be constructed. Effective limitations on total square footages caused by the required amount of parking with each use is also factored in.

SUMMARY BUILDOUT STATISTICS
HUNTINGTON, MA
(New Development and Associated Impacts)

Additional Developable Land Area (sq ft)	438,611,561
Additional Developable Area (acres)	10,069
Additional Housing Units	3,014
Additional Residents	8,500
Additional Commercial/Industrial Buildable Floor Area (sq ft)	7,870,952
Additional School Children	1,718
Additional Water Demand (gallons/day)	
Additional Residential Water Demand	637,535.74
Additional Commercial/Industrial Water Demand	590,321.42
Additional Municipal Solid Waste (tons/yr)	4,360.74
Additional Non-Recyclable Solid Waste (tons)	3,102.67
Additional Roadway at Build Out (miles)	67.57

Huntington, Massachusetts
MAP 3: Composite Development
and Partial Constraints

Legend

- Absolute Development Constraints
- Future Developable Land
- Partial Development Constraints
- Transmission Right of Way
- Highway
- Secondary Road
- Railroad
- Streams
- Ponds

0.25   0   0.25   0.5   0.75   1 Miles