New Haven Urban Wildlife Refuge Planning Tool: This Decision Support Tool will help guide the prioritization of Urban Oases sites to be included as units of the New Haven Urban Wildlife Refuge. It incorporates biological and socioeconomic data including bird survey data and land cover analyses to identify sites that have the potential to provide important stop-over habitat for migratory songbirds; layers related to connectivity with other urban refuge units or Important Bird Areas; water quality and stormwater management; connection to low income neighborhoods; income and crime data and proximity to K-16 learning institutions. This Urban Refuge Planning Tool could be replicable in other Urban Wildlife Refuges.

Biodiversity Map
Biodiversity Layers

Distance To Coast + Distance to Quinnipiac River + Index of Ecological Integrity (Natural Lands Only) + Distance to Natural Land Cover (NLCD, 2011)

Score As Quantile (Red is Closer/Better)
- High : 99
- Low : 0

Nearness to Protected Open Space (Gravity Model) + Percent Tree Canopy Within 30 Meters + % Southern Exposure Within 30 Meters - Spring + % Southern Exposure Within 30 Meters - Fall

Protected Open Space (has score of 99)

IMPORTANT NOTE: All Scores Are Binned To Quantiles (0-99th Percentiles)

Final Biodiversity Score

Brian Hall, Harvard Forest; Date Saved 3/6/2015; Thumbnails Biodiversity Layers March 2015.mxd

Value
- High : 99
- Low : 0
Socioeconomic Layers

Potential Census Data To Consider (Census Data is At Block-Group Level)

Total Population (2007)

Per Capita Income

Schools

Property Crime

Violent Crime

Density - People Over 65 Years Old Per Square Mile

Density - Children Under 18 Years Old Per Square Mile

Population Density (People per square mile)

Project leads: Audubon CT with the input from New Haven Urban Wildlife Refuge Partners and Urban Wildlife Refuge Community Advisory Council

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