

2013 Urban Tree Canopy

WI_Urban_Tree_Canopy_2013

DEFINITION:

This land classification layer was derived from 2013 National Agricultural Imagery Program (NAIP) images. It classifies land within all municipal boundaries and Census-defined urban areas into one of five categories: (1)tree/shrub, (2)grass/herbaceous, (4)water, (7)impervious surface or (9)wetland. The classification was pursued for municipal and urban areas as well as a 1-km buffer around those locations. The original process classified land into three types, but then water and wetland areas were masked out using polygons provided by the DNR. Pixel size is 1-m².

Location:

[\\central\frgeo\frgislib\Urban Forestry\Tree Canopy](#)

Associated GIS Datasets:

- NONE

Feature Type(s):

Raster

Geographic Extent:

All municipalities (as of late 2013) and Census-defined urban areas through the state

Source Scale:

Final raster at 1m²

Projection:

Wisconsin Transverse Mercator NAD 1983/1991 (WTM83/91)

Parameters

Projection Transverse

Datum HPGN

Units Meters

Spheroid GRS 1980

Scale factor .9996

Longitude -90 0 0.00

Latitude 0 0 0.00

False Easting 520,000

False Northing -4,480,000

PURPOSE/BACKGROUND:

Urban Tree Canopy is important data in assessing urban forests. It allows the user to gauge the geographic distribution of woody vegetation throughout a community and thus identify areas which might be lacking in trees. UTC is typically used to identify distribution trends, prioritize planting areas, and set canopy goals across municipal areas or smaller subsets of municipalities (e.g. neighborhoods or zones). The Urban Forestry and Forest Products teams contracted with UW-Madison Department of Forest & Wildlife Ecology, Townsend Lab to produce the analysis.

WI DNR Division of Forestry Data Dictionary

Contact Persons:

GIS contact Dan Buckler, Urban Forestry, (608) 267-0843.

Update Frequency:

Infrequent. When assessments are run with new NAIP imagery deliveries. New update anticipated mid-2019. Current as of March 2018.

ATTRIBUTES:

Field Descriptions:

Land cover

(1)tree/shrub, (2)grass/herbaceous, (4)water, (7)impervious surface, (9)wetland

ADDITIONAL INFORMATION:

Associated Data/Documentation:

For more information on the use of tree canopy data, or to see any products derived from it, visit <http://dnr.wi.gov/topic/urbanForests/ufia/plan-treeCanopy.html>

User Advisory:

<http://dnr.wi.gov/legal/acceptableuse.html>

<http://dnr.wi.gov/legal/>

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