

WI Community Tree Canopy

Raster Dataset



Tags

Wisconsin, DNR, WIDNR, natural resources, WDNR, Department of Natural Resources, forest, urban forest, forestry, urban forestry, land cover, tree canopy, urban tree canopy, land classification

Summary

High spatial resolution land classification raster for all municipal and urban areas in Wisconsin.

Description

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.

Credits

UW-Madison Department of Forest & Wildlife Ecology, Townsend Lab; Wisconsin Department of Natural Resources

Use limitations

There are no access and use limitations for this item.

Extent

West -92.922213 **East** -87.007400

North 46.836677 **South** 42.456889

Scale Range

Maximum (zoomed in) 1:5,000

Minimum (zoomed out) 1:150,000,000

[ArcGIS Metadata](#) ►

[Topics and Keywords](#) ►

THEMES OR CATEGORIES OF THE RESOURCE environment, imageryBaseMapsEarthCover

* CONTENT TYPE Downloadable Data

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

[Hide Topics and Keywords ▲](#)

Citation ►

TITLE WI Community Tree Canopy

CREATION DATE 2017-08-16 00:00:00

PUBLICATION DATE 2018-2-27 00:00:00

PRESENTATION FORMATS * digital map

[Hide Citation ▲](#)

Citation Contacts ►

RESPONSIBLE PARTY

INDIVIDUAL'S NAME Dan Buckler

ORGANIZATION'S NAME Wisconsin DNR

CONTACT'S POSITION Urban Forest Assessment Specialist

CONTACT'S ROLE custodian

CONTACT INFORMATION ►

PHONE

VOICE 608-267-0843

ADDRESS

TYPE postal

CITY Madison

ADMINISTRATIVE AREA WI

POSTAL CODE 53707

E-MAIL ADDRESS daniel.buckler@wisconsin.gov

[Hide Contact information ▲](#)

[Hide Citation Contacts ▲](#)

Resource Details ►

DATASET LANGUAGES * English (UNITED STATES)

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE * grid

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.4.1.5686

CREDITS

University of Wisconsin – Madison; Wisconsin Department of Natural Resources

ARCGIS ITEM PROPERTIES

- * NAME WI_Community_Tree_Canopy.tif
- * LOCATION
- * ACCESS PROTOCOL

[Hide Resource Details ▲](#)

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -92.922213

* EAST LONGITUDE -87.007400

* NORTH LATITUDE 46.836677

* SOUTH LATITUDE 42.456889

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 297012.742754

* EAST LONGITUDE 748365.742754

* SOUTH LATITUDE 224243.849187

* NORTH LATITUDE 707014.849187

* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Points of Contact ►

POINT OF CONTACT

INDIVIDUAL'S NAME Dan Buckler

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[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

* TYPE Projected
* GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983_HARN
* PROJECTION NAD_1983_HARN_Wisconsin_TM
* COORDINATE REFERENCE DETAILS
PROJECTED COORDINATE SYSTEM
WELL-KNOWN IDENTIFIER 3071
X ORIGIN -5100900
Y ORIGIN -14478100
XY SCALE 450445547.3910538
Z ORIGIN -100000
Z SCALE 10000
M ORIGIN -100000
M SCALE 10000
XY TOLERANCE 0.001
Z TOLERANCE 0.001
M TOLERANCE 0.001
HIGH PRECISION true
LATEST WELL-KNOWN IDENTIFIER 3071
WELL-KNOWN TEXT
PROJCS["NAD_1983_HARN_Wisconsin_TM",GEOGCS["GCS_North_American_1983_HARN",DATUM["D_North_American_1983_HARN",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",520000.0],PARAMETER["False_Northing",-4480000.0],PARAMETER["Central_Meridian",-90.0],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3071]]

REFERENCE SYSTEM IDENTIFIER

* VALUE 3071
* CODESPACE EPSG
* VERSION 6.13(9.2.0)

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

GEORECTIFIED GRID ►

* NUMBER OF DIMENSIONS 2

AXIS DIMENSIONS PROPERTIES

DIMENSION TYPE column (x-axis)
* DIMENSION SIZE 451353
* RESOLUTION 1.000000 m (meter)

AXIS DIMENSIONS PROPERTIES

DIMENSION TYPE row (y-axis)
* DIMENSION SIZE 482771
* RESOLUTION 1.000000 m (meter)

* CELL GEOMETRY area
* POINT IN PIXEL center

* TRANSFORMATION PARAMETERS ARE AVAILABLE Yes

* CHECK POINTS ARE AVAILABLE No

CORNER POINTS

* POINT 297012.742754 224243.849187
* POINT 297012.742754 707014.849187
* POINT 748365.742754 707014.849187
* POINT 748365.742754 224243.849187

* CENTER POINT 522689.242754 465629.349187

[Hide Georectified Grid ▲](#)

ARCGIS RASTER PROPERTIES ►

GENERAL INFORMATION

* PIXEL DEPTH 8
* COMPRESSION TYPE LZW
* NUMBER OF BANDS 1
* RASTER FORMAT TIFF
* SOURCE TYPE continuous
* PIXEL TYPE unsigned integer
* NO DATA VALUE 0
* HAS COLORMAP No
* HAS PYRAMIDS Yes

[Hide ArcGIS Raster Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Spatial Data Content ►

IMAGE DESCRIPTION

* TYPE OF INFORMATION image

BAND INFORMATION

* DESCRIPTION Band_1
* MAXIMUM VALUE 255.000000
* MINIMUM VALUE 1.000000
* NUMBER OF BITS PER VALUE 8

[Hide Spatial Data Content ▲](#)

Distribution ►

DISTRIBUTION FORMAT

* NAME Raster Dataset

[Hide Distribution ▲](#)

Metadata Details ►

* METADATA LANGUAGE English (UNITED STATES)
* METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER 08095FDC-4D3B-4171-BDCD-F7E37ECA3FCB

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset

SCOPE NAME * dataset

* LAST UPDATE 2018-2-26

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

METADATA STYLE FGDC CSDGM Metadata

STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS FOR THE ITEM 2017-11-08 08:06:42

LAST MODIFIED IN ARCGIS FOR THE ITEM 2018-2-26 84:81:70

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2018-2-26 08:35:12

[Hide Metadata Details ▲](#)

Metadata Maintenance ►

MAINTENANCE

UPDATE FREQUENCY as needed

[Hide Metadata Maintenance ▲](#)

Metadata Constraints ►

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THUMBNAIL

THUMBNAIL TYPE JPG

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