

Identification_Information:

Citation:

Citation_Information:

Originator: Winnebago County Geographic Information Systems Dept.

Publication_Date: 2000

Title: Building Foundation Footprint Index From Aerial Photography and Building Permits, Winnebago County, WI (bldx)

Publication_Information:

Publication_Place: Oshkosh, WI

Publisher: Winnebago County Geographic Information Systems Dept.

Description:

Abstract: Building Footprint index for Winnebago County, Wisconsin. This was derived from aerial photography and building permits. In 1991 Aerometric Engineering, Inc. stereodigitized initially all of the building footprints within Winnebago County for the WINGS Project. After 1991 the building footprints were entered into the WINGS Project by student interns, a part-time GIS employee and the Planning secretary. The aerial photography from 1994, 1997 and 2000 and siteplan maps from the Zoning Permits were used to capture the building footprints into individual files and then reindexed to one countywide file. The countywide file is called bldx.

Purpose: This information is intended to be used primarily for displaying a countywide map of building footprints within Winnebago County.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2004

Time_of_Day: Unknown

Currentness_Reference: Last update-continually

Status:

Progress: Complete

Maintenance_and_Update_Frequency: Continually

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -88.9144

East_Bounding_Coordinate: -88.3641

North_Bounding_Coordinate: 44.2665

South_Bounding_Coordinate: 43.8762

Keywords:

Theme:

Theme_Keyword_Thesaurus: none

Theme_Keyword: Building Footprints

Place:

Place_Keyword_Thesaurus: Counties and County Equivalents of the United States,

Its Possessions, and Associated Areas (FIPS Pub 6-4)

Place_Keyword: Winnebago County

Place_Keyword: Town of Algoma
Place_Keyword: Town of Black Wolf
Place_Keyword: Town of Menasha
Place_Keyword: Town of Neenah
Place_Keyword: Town of Nekimi
Place_Keyword: Town of Nepeuskun
Place_Keyword: Town of Omro
Place_Keyword: Town of Oshkosh
Place_Keyword: Town of Poygan
Place_Keyword: Town of Rushford
Place_Keyword: Town of Utca
Place_Keyword: Town of Vinland
Place_Keyword: Town of Winchester
Place_Keyword: Town of Winneconne
Place_Keyword: Town of Wolf River
Place_Keyword: Town of Neenah
Place_Keyword: Village of Winneconne
Place_Keyword: City of Appleton
Place_Keyword: City of Omro
Place_Keyword: City of Oshkosh
Place_Keyword: City of Menasha
Place_Keyword: City of Neenah
Place_Keyword: Town of Clayton

Place:

Place_Keyword_Thesaurus: none
Place_Keyword: Wisconsin
Place_Keyword: Town of Menasha

Access_Constraints: See Winnebago County WINGS Metadata Set, Winnebago County, WI (wings).

Use_Constraints: This information is NOT to be used for describing actual or true building roof-line footprint locations.

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:
Contact_Organization: GIS Dept.
Contact_Person: Dave Levine
Contact_Position: GIS Database Administrator
Contact_Address:
Address_Type: mailing address
Address: P.O. Box 2808
City: Oshkosh
State_or_Province: WI
Postal_Code: 54903-2808
Country: USA

Contact_Address:

Address_Type: physical address
Address: Orrin King Administration Building, Room 216, 448 Algoma
Blvd.

City: Oshkosh
State_or_Province: WI
Postal_Code: 54903-2808
Country: USA

Contact_Voice_Telephone: (920) 236-4838
Contact_Facsimile_Telephone: (920) 303-3035
Contact_Electronic_Mail_Address: dlevine@co.winnebago.wi.us
Hours_of_Service: 8 a.m. - 4:30 p.m. CST
Contact_Instructions: Additional contact persons: Larry Ellenbecker (GIS

Systems

Administrator), (920) 236-1066, lellenbecker@co.winnebago.wi.us; Diane
Culver (GIS Specialist), (920) 236-4801, dculver@co.winnebago.wi.us.

Native_Data_Set_Environment: See Winnebago County WINGS Metadata Set,
Winnebago County, WI (wings).

Cross_Reference:

Citation_Information:

Originator: Aerometric Engineering, Inc.
Publication_Date: 1991
Title: 1991 Planimetric Building Footprint Layer

Publication_Information:

Publication_Place: Sheboygan, WI
Publisher: Winnebago County G.I.S. Office

Other_Citation_Details: The building roof-line footprint layer is one of the
original

planimetric layers that was requested for the WINGS Project by
the Winnebago County Land Records Committee.

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: 100% of the data was checked for attribute accuracy
by the

Winnebago County GIS Department.

Logical_Consistency_Report: Data set is topologically structured polygon data with
nodes at all
intersections.

Completeness_Report: To the best knowledge of the Winnebago County GIS
Department, this coverage includes all building roof-line footprints within Winnebago
County from aerial photography and building permit siteplan maps.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report: Relative horizontal positional
accuracy for the planimetric
information used to develop the original building roof-line

footprint data is estimated at +/- 2.5 feet for every 1000 feet.

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator: Aerometric Engineering, Inc.

Publication_Date: 1991

Title: 1991 Orthophotos

Geospatial_Data_Presentation_Form: remote-sensing image

Publication_Information:

Publication_Place: Sheboygan, WI

Publisher: Aerometric Engineering, Inc.

Other_Citation_Details: Entire county in B/W orthos

Source_Scale_Denominator: 10080

Type_of_Source_Media: CD-ROM

Source_Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 1991

Time_of_Day: Unknown

Source_Currentness_Reference: ground condition

Source_Information:

Source_Citation:

Citation_Information:

Originator: Aerometric Engineering, Inc.

Publication_Date: 1994

Title: 1994 Orthophotos

Geospatial_Data_Presentation_Form: remote-sensing image

Publication_Information:

Publication_Place: Sheboygan, WI

Publisher: Aerometric Engineering, Inc.

Other_Citation_Details: B/W orthos

Source_Scale_Denominator: 10080

Type_of_Source_Media: CD-ROM

Source_Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 1994

Time_of_Day: Unknown

Source_Currentness_Reference: ground condition

Source_Information:

Source_Citation:

Citation_Information:

Originator: Aerometric Engineering, Inc.

Publication_Date: 1997
Title: 1997 Ortophotos
Geospatial_Data_Presentation_Form: remote-sensing image
Publication_Information:
 Publication_Place: Sheboygan, WI
 Publisher: Aerometric Engineering, Inc.
 Other_Citation_Details: Entire County in B/W orthos
Source_Scale_Denominator: 20160
Type_of_Source_Media: CD-ROM
Source_Time_Period_of_Content:
 Time_Period_Information:
 Single_Date/Time:
 Calendar_Date: 1997
 Time_of_Day: Unknown
 Source_Currentness_Reference: ground condition
Source_Information:
 Source_Citation:
 Citation_Information:
 Originator: Aerometric Engineering, Inc.
 Publication_Date: 1997
 Title: 1997 Ortophotos
 Geospatial_Data_Presentation_Form: remote-sensing image
 Publication_Information:
 Publication_Place: Sheboygan, WI
 Publisher: Aerometric Engineering, Inc.
 Other_Citation_Details: Entire County in B/W orthos
 Source_Scale_Denominator: 20160
 Type_of_Source_Media: CD-ROM
 Source_Time_Period_of_Content:
 Time_Period_Information:
 Single_Date/Time:
 Calendar_Date: 1997
 Time_of_Day: Unknown
 Source_Currentness_Reference: ground condition
 Source_Information:
 Source_Citation:
 Citation_Information:
 Originator: Winnebago County Zoning Office
 Publication_Date: 1997-Present
 Title: Winnebago County Zoning Building Permits
 Geospatial_Data_Presentation_Form: Documents and Maps
 Publication_Information:
 Publication_Place: Oshkosh, WI
 Publisher: Zoning Office, Winnebago County
 Type_of_Source_Media: paper

Source_Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 1997

Beginning_Time: Unknown

Ending_Date: Present

Ending_Time: Unknown

Source_Currentness_Reference: publication date

Process_Step:

Process_Description: The process for creating the building roof-line footprint layer

is as follows:

1) Winnebago County hired Aerometric Engineering, Inc. in 1991 to fly the county and produce B/W orthophotography.

2) Aerometric Engineering, Inc. produced raster imagery with 2 foot pixel resolution.

3) All of the building roof-line footprints for Winnebago County were stereo digitized off the 1991 raster imagery by Aerometric Engineering, Inc.

4) A DXF formatted file of building roof-line footprint linework was sent via 4mm DAT tape from Aerometric Engineering, Inc. to the Winnebago County G.I.S. Office.

5) Larry Ellenbecker from the Winnebago County G.I.S. Office used GENAMAP software to create area (polygon) features out of the linework sent from Aerometric Engineering, Inc.

6) With the use of GENAMAP, all building roof-line footprint polygons were verified and then tagged with a alpha-numeric tagged with a alpha-numeric character string.

7) For consecutive years after Aerometric's work, The Winnebago County Zoning building permits with copies of the site plans were used to enter all of the building foundation footprints by year of the permit. GENAMAP parallel copy command and editing commands were used to maintain the building footprints.

8) The building roof-line and foundation footprint data files by town name and by year for Winnebago County were then saved to a file called bldx.

Process_Date: 1991

Process_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: GIS Dept.

Contact_Person: Dave Levine

Contact_Position: GIS Database Administrator

Contact_Address:

Address_Type: mailing address

Address: P.O. Box 2808

City: Oshkosh

State_or_Province: WI
Postal_Code: 54903-2808
Country: USA
Contact_Address:
Address_Type: physical address
Address: Orrin King Administration Building, Room 216, 448

Algoma Blvd.

City: Oshkosh
State_or_Province: WI
Postal_Code: 54903-2808
Country: USA
Contact_Voice_Telephone: (920) 236-4838
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Contact_Electronic_Mail_Address: dlevine@co.winnebago.wi.us
Hours_of_Service: 8 a.m. - 4:30 p.m. CST
Contact_Instructions: Additional contact persons: Larry Ellenbecker

(GIS Systems

Administrator), (920) 236-1066, lellenbecker@co.winnebago.wi.us;

Diane

Culver (GIS Specialist), (920) 236-4801,

dculver@co.winnebago.wi.us.

Cloud_Cover: 0

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Area chain

Point_and_Vector_Object_Count: 111444

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Planar:

Grid_Coordinate_System:

Grid_Coordinate_System_Name: State Plane Coordinate System 1983

State_Plane_Coordinate_System:

SPCS_Zone_Identifier: 4803

Lambert_Conformal_Conic:

Standard_Parallel: 42.733333

Standard_Parallel: 44.066667

Longitude_of_Central_Meridian: -90

Latitude_of_Projection_Origin: 42

False_Easting: 1968500

False_Northing: 0

Planar_Coordinate_Information:

Planar_Coordinate_Encoding_Method: Coordinate Pair

Coordinate_Representation:

Abscissa_Resolution: 0.0001

Ordinate_Resolution: 0.0001

Planar_Distance_Units: survey feet

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1983 (1986 adjustment)

Ellipsoid_Name: Geodetic Reference System of 1980 (GRS80)

Semi-major_Axis: 20925604.4741

Denominator_of_Flattening_Ratio: 298.25722210088

Vertical_Coordinate_System_Definition:

Altitude_System_Definition:

Altitude_Datum_Name: North American Vertical Datum of 1927

Altitude_Resolution: Plus or minus 2 feet.

Altitude_Distance_Units: feet

Altitude_Encoding_Method: Explicit elevation coordinate included with

horizontal coordinates

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: gm_bldx.pat or gm_bldx.dbf

Entity_Type_Definition: Attribute table for building roof-line footprint polygons.

Entity_Type_Definition_Source: Winnebago County Geographic Information System; Land Records Office.

Attribute:

Attribute_Label: 20216

Attribute_Definition: Building permit number issued by the Winnebago Zoning Office. The permit number is used as the tag for the building footprint polygon and will also be used to link the vector layer of buildings to the PDF file of the scanned building permit documentation.

Attribute_Definition_Source: Winnebago County Zoning Office

Beginning_Date_of_Attribute_Values: 1990

Ending_Date_of_Attribute_Values: present

Attribute:

Attribute_Label: men6355

Attribute_Definition: The building roof-line footprint tag (men6355) is not a pure number but an alpha-numeric string for tagging a building polygon. The tag is comprised of a 3 alpha character plus a 1 to 4 numeric character string.

Attribute_Definition_Source: Winnebago County G.I.S. Office

Attribute_Domain_Values:

Unrepresentable_Domain: free text

Beginning_Date_of_Attribute_Values: 1991

Ending_Date_of_Attribute_Values: present

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: GIS Dept.

Contact_Person: Dave Levine

Contact_Position: GIS Database Administrator

Contact_Address:

Address_Type: mailing address

Address: P.O. Box 2808

City: Oshkosh

State_or_Province: WI

Postal_Code: 54903-2808

Country: USA

Contact_Address:

Address_Type: physical address

Address: Orrin King Administration Building, Room 216, 448 Algoma

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City: Oshkosh

State_or_Province: WI

Postal_Code: 54903-2808

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Contact_Electronic_Mail_Address: dlevine@co.winnebago.wi.us

Hours_of_Service: 8 a.m. - 4:30 p.m. CST

Contact_Instructions: Additional contact persons: Larry Ellenbecker (GIS

Systems

Administrator), (920) 236-1066, lellenbecker@co.winnebago.wi.us; Diane
Culver (GIS Specialist), (920) 236-4801, dculver@co.winnebago.wi.us.

Resource_Description: bldx

Distribution_Liability: This data was created for use by the Winnebago County

Geographic

Information System project. Any other use/application of this
information is the responsibility of the user and such use/application
is at their own risk. Winnebago County disclaims all liability
regarding fitness of the information for any use other than Winnebago
County business.

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Format_Name: See Winnebago County WINGS Metadata Set, Winnebago
County, WI (gm_wings).

Format_Specification: See Winnebago County WINGS Metadata Set,
Winnebago County, WI (gm_wings).

Format_Information_Content: arcs of building roof-line foot-

print polygons
Transfer_Size: 55.33
Digital_Transfer_Option:
Offline_Option:
Offline_Media: See Winnebago County WINGS Metadata Set,
Winnebago County, WI (gm_wings).
Recording_Capacity:
Recording_Density: See Winnebago County WINGS Metadata Set,
Winnebago county, WI (gm_wings).
Recording_Density_Units: See Winnebago County WINGS Metadata
Set, gm_wings.
Recording_Format: See Winnebago County WINGS Metadata Set,
Winnebago County, WI (gm_wings).
Fees: See Winnebago County WINGS Metadata Set, Winnebago County, WI
(gm_wings).
Ordering_Instructions: See Winnebago County WINGS Metadata Set, Winnebago
County, WI (gm_wings).
Turnaround: See Winnebago County WINGS Metadata Set, Winnebago County,
WI (gm_wings).
Standard_Order_Process:
Non-digital_Form: See Winnebago County WINGS Metadata Set, Winnebago
County, WI (gm_wings).
Fees: See Winnebago County WINGS Metadata Set, Winnebago County, WI
(gm_wings).
Ordering_Instructions: See Winnebago County WINGS Metadata Set, Winnebago
County, WI (gm_wings).
Turnaround: See Winnebago County WINGS Metadata Set, Winnebago County,
WI (gm_wings).
Custom_Order_Process: See Winnebago County WINGS Metadata Set, Winnebago
County, WI (wings).
Available_Time_Period:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 2000
Time_of_Day: Unknown
Metadata_Reference_Information:
Metadata_Date: 20000418
Metadata_Review_Date: 20041130
Metadata_Future_Review_Date:
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: GIS Dept.
Contact_Person: Dave Levine
Contact_Position: GIS Database Administrator

Contact_Address:

Address_Type: mailing address

Address: P.O. Box 2808

City: Oshkosh

State_or_Province: WI

Postal_Code: 54903-2808

Country: USA

Contact_Address:

Address_Type: physical address

Address: Orrin King Administration Building, Room 216, 448 Algoma

Blvd.

City: Oshkosh

State_or_Province: WI

Postal_Code: 54903-2808

Country: USA

Contact_Voice_Telephone: (920) 236-4838

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Contact_Electronic_Mail_Address: dlevine@co.winnebago.wi.us

Hours_of_Service: 8 a.m. - 4:30 p.m. CST

Contact_Instructions: Additional contact persons: Larry Ellenbecker (GIS

Systems

Administrator), (920) 236-1066, lellenbecker@co.winnebago.wi.us; Diane

Culver (GIS Specialist), (920) 236-4801, dculver@co.winnebago.wi.us.

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998