

Lincoln County

Downloadable Data and Data Descriptions



Lincoln County Land Services Department

Lincoln County Service Center

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SUMMARY

About this Document.

This document is a breakdown of downloadable data available from Lincoln County, WI, including Shapefiles, Geodatabase Feature Classes, Aerial Imagery, LiDAR, and Elevation Data.

Shapefile Downloads

Click below to Download Shapefiles:



Below is a description of available shapefiles from Lincoln County, WI:

AddressGridLine – This line shapefile represents Lincoln County’s uniform rural addressing grid. Lincoln County’s grid is a system of N (north) and W (west) addresses that is based off of the Public Land Survey System (PLSS).

AddressPt – This point shapefile contains point locations of address entry points, addressed sites with buildings and addressed sites without buildings in Lincoln County.

BoatLandings – This point shapefile shows public boat landings in Lincoln County.

BuildingFootPrints_2010 – This polygon shapefile includes general building foot prints digitized from 2010 aerial imagery for the entire county.

Census_Block_2000 – This polygon shapefile represents the census blocks (the smallest geographical unit used by the US Census Bureau) for the 2000 Census.

CntyForest – This polygon shapefile contains the boundaries and areas of Lincoln County forest land.

County Boundary – This polygon shapefile represents the boundary of Lincoln County, digitized using the latest available survey data.

Doering_HydraulicShadow – This polygon feature class analyzes the doering dam flood shadow.

E911InfoPoints – This point feature class represents locational information used by emergency services for the area of Lincoln County, WI. The information provided includes Mile Markers, Turn Arounds, Towers, Landing Zones, and ATV/Snowmobile intersections.

ESZ – This polygon shapefile shows all of the Emergency Service Zones for the County, ranging from 200 – 212, there are 12 different Emergency Service Zones.

ESZ_EMS – This polygon shapefile shows all three of the EMS Emergency Zones in Lincoln County. These zones include Tomahawk EMS, Merrill EMS, and Rhinelander EMS.

ESZ_Fire – This polygon shapefile includes all six of of the Fire Department Zones in Lincoln County. They include the Corning, Crescent, Merrill, Pine River, Russell, and Tomahawk fire departments.

ESZ_FirstResponder – This polygon shapefile includes all three of the First Responder zones in the County.

ESZ_Law – This polygon shapefile includes all three of the Law (Police) zones in Lincoln County. They include the Lincoln County's Sheriff zone, and the Merrill and Tomahawk Police zones.

Final_Plan_CENSUS_110921_Blocks – Final Census Block Boundaries for 2021

FIRM_Panels_2010 – This polygon shapefile represents the FEMA Flood Insurance Rate Maps (FIRM) panels that are present in Lincoln County. The polygon features were extracted from the 2010 FIRM panels.

FloodPlain_2010 – This polygon shapefile shows all the flood plain areas along the major river systems in Lincoln County.

FloodStorageAreas_2010 – This polygon shapefile represents the flood storage districts as delineated in 2010.

ForestryBerms – This point shapefile symbolizes the 166 berm locations within the county forest area.

ForestryGates – This point shapefile symbolizes the 166 gates located mostly within the county forest land. For some gates, information on their type (Swing, cable, etc.) can be found within the attribute table.

ForestryWoodRoads – This line shapefile symbolizes the numerous roads located primarily on county forest land.

GleasonSanitary – This line shapefile represents the boundary of the Gleason Sanitary District, it was digitized from the plat of survey representing the district and does not reflect the official documents that established/amended the boundaries.

HarrisonFloodShadow_2011 – This polygon shapefile includes the flooded area of a flood that occurred in the Town of Harrison in 2011.

HydroLines_2018 – This line feature class represents the boundaries of water bodies located in Lincoln County, WI. These are boundaries of Rivers, Streams and Ponds. Elevation data along with some names of the water bodies are attributed.

HydroPolygons_2018 – This polygon feature class represents water bodies located in Lincoln County, WI. These areas represent rivers and ponds. Within the data is related attributes such as the names of the water bodies and river systems, the name from the DNR Register of Waterbodies(ROW) database, the Water Body Identification Code (WBIC), and the elevation data.

IceAgeTrail – This line shapefile shows the Wisconsin Ice Age Trail path as it winds through the whole state of Wisconsin, including Lincoln County.

IndexAndPLSSGrid – This polygon shapefile supports county wide hard copy maps by providing a Public Land Survey System (PLSS) grid and an index grid that aids in the location of roads/parks/buildings etc.

InformationalPts – This point shapefile includes over 200 informational points that include, but are not limited to ATV trail intersections, landing zones, mile markers, snowmobile trail intersections, cellphone towers, and highway turn arounds.

Lake_Classify – This polygon shapefile includes the 311 bodies of water that are classified as lakes in Lincoln County.

LandFill – This polygon shapefile shows all the locations of land fills in Lincoln County

LandFill_Buffer – This polygon shapefile contains 1200 foot buffers around land fills in Lincoln County.

LiDar_Tiles – This polygon shapefile shows all the Aerial Image locations/tiles from the most recent County LiDAR.

Lincoln_CAFII – This polygon shapefile is used in support of analysis and interpretation of the Connect America Fund.

MileMarker – This point shapefile symbolizes mile marker numbers along US Hwy 51 and Tower Rd. as well as atv/snowmobile intersections.

Misc_Features – This point shapefile includes the locations of many miscellaneous features in Lincoln County. These miscellaneous features include, but are not limited to, schools, hospitals, airports and cemeteries.

MiscLines – This line shapefile supports the other cadastral feature classes by supplying line work that in a lot of cases does not fit into the topological relationships with other features within the same feature dataset. This allows for the capture of line work that represents road centerlines, meander lines and control reference lines.

Municipal – This polygon shapefile represents the 18 different municipalities in Lincoln County.

Olivotti_Failure_Floodway_2012 – This polygon shapefile represents the areas that were flooded by a 2012 flood in the Town of Rock Falls.

Olivotti_Inundation_2012 – This polygon shapefile represents the inundation area caused by the Olivotti dam failure in 2012.

ParcelLines – This line shapefile seeks to accurately delineate all parcel lines from a variety of sources which include, but are not limited to, CSMs, deeds, original government surveys, and plat of surveys.

Parcels – This polygon shapefile accurately delineate all parcel boundaries from a variety of sources which include, but are not limited to, CSMs, deeds. Original government surveys, and plat of surveys. The attributes on this feature class also includes tax roll information.

Parks – This point shapefile shows a number of parks within the county, many of which are in the City of Merrill, which is also known as the “City of Parks”.

ParksPolygon – This polygon shapefile shows a number of parks within the county, many of which are in the City of Merrill, which is also known as the “City of Parks”.

PlannedLandUse – This polygon shapefile includes all of the planned land use data that the county maintains. Not all of the municipalities have planned land use.

PlannedLandUseHist – This polygon shapefile represents the historic planned land use that once was assigned to an area after said area’s planned land use has been changed by official means.

PLSSCorners – This point shapefile contains Public Land Survey System (PLSS) corners along with associated attributes. The geometry of these points is taken from the most reliable information available.

PLSSFirstDivision – This polygon shapefile represents Public Land Survey System (PLSS) sections.

PLSSIntersected – This polygon shapefile represents the intersection Public Land Survey System (PLSS) Townships, Sections, Quarter Sections, Quarter Quarter Sections (40’s) and Government Lots all in one feature class.

PLSSLines – This line shapefile represents any and all lines that make up the Public Land Survey System (PLSS) grid within Lincoln County.

PLSSSecondDivision – This polygon shapefile represents Public Land Survey System (PLSS) Quarter Quarter Sections (40’s) and Government Lots.

PLSSTownship – This polygon shapefile represents Public Land Survey System (PLSS) townships.

PublicAccess – This point shapefile includes public access points on lakes and rivers in Lincoln County including, but not limited to, paved and unpaved boat landings, walk in access with canoes, and fishing pier access.

RailroadLine – This line shapefile represents the railroad centerline of active and abandoned tracks within Lincoln County, identified by unique attributes.

RiceDamInundation – This polygon shapefile outlines the area downstream of the Rice Dam that would be flooded during the Inflow Design Flood (IDF) and fair weather flood at the dam.

RoadLine – This line shapefile provides a digital representation of all roads within Lincoln County, useful attributes reinforce the address grid and designate what class the road is, among other things.

RoadsOpposite – This line shapefile represents road centerlines that do not go the same direction as the county's addressing grid. These lines are found along the boundaries between the cities and the towns.

SchoolDist – This polygon shapefile includes all of the School District Zones in Lincoln County. The four school zones that make up Lincoln County are Merrill, Tomahawk, Prentice, and Rhinelander.

ShorelandRestoration – This polygon shapefile shows all of the areas in Lincoln County where Shoreland Restoration has occurred.

ShorelandZoning – This polygon shapefile represents all areas that fall under the regulation of shoreland zoning.

SimConBndCurrent – This polygon shapefile represents the overall boundary of a given simultaneous conveyance, taking into account more recent surveys. When a new simultaneous conveyance is recorded, it replaces the geometry of an older simultaneous conveyance if the two overlap. Simultaneous conveyances include, but are not limited to Certified Survey Maps (CSMs), Assessors Plats, Subdivisions and Condos.

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SnowATVIntersection – This point shapefile includes all of the locations where the Lincoln County snowmobile and ATV trails intersect.

SnowMobileTrails – This line shapefile includes all of the official Snowmobile trails in Lincoln County.

Soils – This polygon shapefile represents the different soil types and their location within Lincoln County.

StreamClassify – This line shapefile includes all of the bodies of waters that are classified as streams in Lincoln County.

SummerATV – This line shapefile includes all of the official ATV trails in Lincoln County.

Supervisors – This polygon shapefile represents the current supervisory district boundaries within Lincoln County.

Supervisors_2021 – These boundaries represent 2010-2021 boundary descriptions.

TaxIncrementDistricts – These boundaries represent the tax incremental finance districts in Lincoln County.

TownHalls – This point shapefile shows the locations of all 16 town halls in Lincoln County.

Wards – This polygon shapefile represents the current ward boundaries within Lincoln County.

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WardsSuperMuni – This polygon shapefile symbolizes Lincoln County's Supervisory Districts, Ward IDs, and Municipality names and types. Further names, addresses, and phone numbers are among some of the additional information found within the attribute table.

WaterSheds – This polygon shapefile was created and is maintained by the Wisconsin DNR to delineate watersheds, to be used at a scale of 1:24000.

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WiCounties – This polygon shapefile includes all 72 Wisconsin counties.

ZipCode – This polygon shapefile includes all six of the different zip code boundaries in Lincoln County. These zip codes includes 54564, 54435, 54442, 54452, 54501 and 54487.

Metadata for Lincoln County's Published GIS Data

Zoning – This polygon shapefile represents zoning that is administrated by Lincoln County. Several municipalities do not have county zoning.

Zoning_AirPortHtLmt – This polygon feature class regulates and restricts the height of structures and objects of natural growth in the vicinity of the Airports. This layer is approved through the WIs Stats outline.

Zoning_ETZA – This polygon shapefile represents the Extra Territorial Zoning (ETZ) for both the City of Merrill and the City of Tomahawk.

GeoDatabase Downloads

Click below to Download Geodatabases:



Below is a description of available feature classes and tables in Publication.gdb from Lincoln County, WI:

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AddressPt – This point feature class contains point locations of address entry points, addressed sites with buildings and addressed sites without buildings in Lincoln County.

ArcMapAnno60000 – This is an Annotation Feature Class. Contained in the class are most annotation layers used for producing annotated hard copy maps at around 1:60000 scale for Lincoln County, WI. The annotations provided includes Road Names, Informational points, Rail Road Names, Address Grids, Index/PLSS Grid, Municipality Names, Surrounding County Names, and PLSS Section Numbers.

BoatLandings – This point feature class shows public boat landings in Lincoln County.

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InformationalPoints -

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Metadata for Lincoln County's Published GIS Data

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ParcelsTT – This polygon feature class delineates the tax parcels in Lincoln County, WI. Attached to the parcel is the Parcel Identification Number which is used to relate to information including the real property listing and zoning databases.

Parks – This point feature class shows a number of parks within the county, many of which are in the City of Merrill, which is also known as the “City of Parks”.

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TaxIncrementalDistricts – This polygon feature class represents the Tax Incremental Districts that are found in the City of Merrill and the City of Tomahawk.

TaxRollImportAllTowns – This table contains tax information including all PIN Town/Range/Section/Quarter, PIN IDs, Sales, Deed types, owners, and many other fields.

TAXROLLIMPORTALLTOWNS_TRANSCENDENT – This File Geodatabase Table contains tax information including all PIN Town/Range/Section/Quarter, PIN IDs, Sales, Deed types, owners, descriptions, and many other fields.

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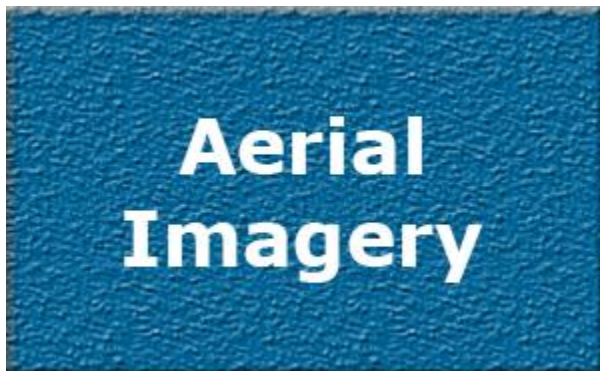
Zoning – This polygon feature class represents zoning that is administrated by Lincoln County. Several municipalities do not have county zoning.

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Aerial Imagery

Click below to Download Aerial Imagery:



General Information – All images listed here have been ortho rectified and projected to the Lincoln County WI Coordinate System. Each year may contain multiple folders that represent images tiled and mosaiced to different scales. Each folder may also represent different compression ratios which can affect image quality when displayed. In some cases raw tiff files are present and represent the best available resolution before Lizard Tech MrSID compression.

Flight1938:

- GeoTiffs
 - o QtrTwncshp
- MrSIDs
 - o CountyWide
 - o QtrTwncshp
 - o Twncshp

Flight1952-1955:

- GeoTiffs
 - o Countywide
 - o Sections
- MrSIDs
 - o CountyWide
 - o QtrTwncshp
 - o Twncshp

Flight1970:

- GeoTiffs
 - o QtrTwncshp
- MrSIDs
 - o CountyWide
 - o QtrTwncshp
 - o Twncshp
- Tile_Index
 - o CountyWide

Flight1992:

- MrSIDs
 - o CountyWide

Flight2001BW:

- MrSIDs
 - o CountyWide

Flight2005:

- MrSIDs
 - o CountyWide- 1 ft Pixel size/Resolution
 - o LincolnCoDensePopCenters- 6 inch Pixel size/Resolution

Flight2010:

- MrSIDs
 - o CountyWide- 1 ft Pixel size/Resolution
 - o Sections- 1 ft Pixel size/Resolution
 - o LincolnCoDensePopCenters- 6 inch Pixel size/Resolution
 - o Sections-6 inch Pixel size/Resolution

Flight2015:

- MrSIDs
 - o CountyWide
 - o Township
 - o Section

Flight2020:

- MrSIDs G3
 - o CountyWide
 - o Township
 - o Section
- MrSIDs G4
 - o CountyWide
 - o Township
 - o Section

LiDAR

Click below to Download LiDAR Data:



Metadata for Lincoln County's Published GIS Data

General Information – Geodata@Wisconsin houses a collection of datasets for the State of Wisconsin and Lincoln County. Lincoln County entered into a cost share project in 2015 with United States Geological Survey (USGS) to have LiDAR and other elevation information captured that meets the National 3D Elevation Program Standards. Below is a summarized list of LiDAR and LiDAR Derived products associated with Lincoln County found on the Geodata@Wisconsin website.

- Hydro Breaklines 2015
- Countywide DEM (Digital Elevation Model) 2015
- LAS (Lidar) Points 2015
- Tiled DEM 2015
- 2 ft Contours 2015
- Raw Swath Data 2015

Enhanced Elevation Data

Click below to Download Enhanced Elevation Data:



General Information – Elevation data is projected to the Lincoln County WI Coordinate System. Below is a list of Elevation data Lincoln County provides.

- **Bare Earth Only: LAS (Lidar) or NEZ (Northing, Easterling, Z-Elevation)**
- **Contours**
 - o CountyWide
 - o Tiles
- **DEM (Digital Elevation Model):**
 - o CountyWide
 - o Tiles
- **DSM (Digital Surface Model):**
 - o CountyWide
 - o Tiles
- **Hydro Breaklines**

- **Tile Index**