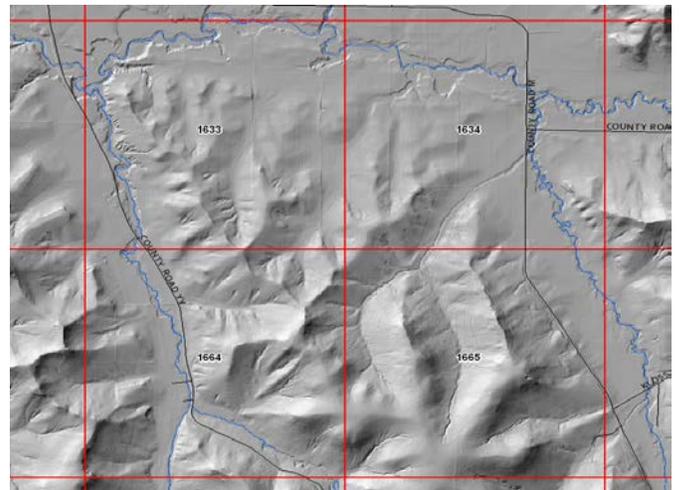


# La Crosse County LiDAR Products

Custom datasets can be purchased by Surveyors, Engineers or the General Public. Prices depend on project area size, type of data and amount of processing needed. Please contact the La Crosse County Department of Land Conservation at (608) 785-9867 to discuss your specific project needs.

- Datasets available include:
  - Contour lines
  - Bare-Earth text files
  - Slope
  - Hydro Breaklines
  - Hillshade
  - DEM
  
- Data can be delivered in various formats:
  - AutoCAD drawing file (dwg)
  - ESRI shapefile (.shp)
  - ASCII text file (.txt)
  - ESRI raster grid



LiDAR derived point files are organized with a numbered tile index

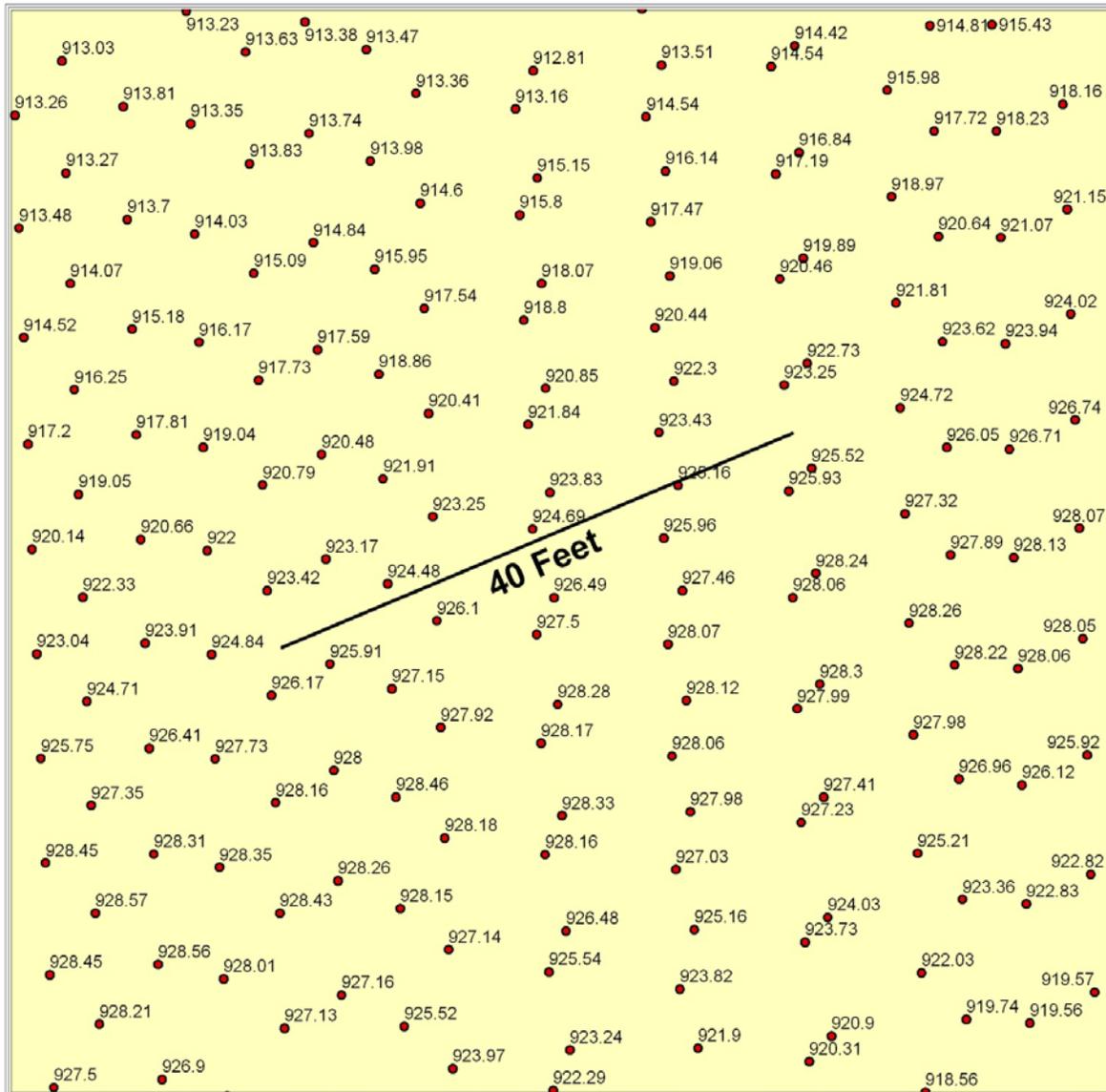
- Tiles are 5000 feet x 5000 feet
- La Crosse County has 585 tiles

Each tile has a corresponding ASCII text file.

- Bare Earth .xyz file format
  - Easting, Northing, Elevation
- Files contain between 400,000 to 700,000 points
  - These points are the building blocks for all LiDAR derived products.
  - Subsets of point data can be extracted from these files for smaller project areas.
  - Files can also be combined into datasets that cover large project areas.

```
1650003.0700,764999.7800,721.0800
1650003.3600,764992.2800,720.9800
1650003.6100,764985.0300,721.8000
1650003.8400,764978.1600,723.6700
1650004.0800,764970.9700,724.8800
1650004.3500,764963.7100,725.3700
1650004.6000,764956.6800,726.1800
1650004.8600,764949.5100,726.7400
1650005.0900,764942.5700,728.4700
1650005.3400,764935.5100,729.2100
1650005.5700,764928.6700,730.7500
1650005.7400,764922.3200,734.3400
1650005.9300,764915.9600,737.5700
1650006.1300,764909.4100,740.0700
1650006.3500,764902.7300,741.9700
1650006.7700,764889.5100,745.9800
1650006.9800,764882.9700,748.2100
1650008.9800,764882.1800,746.7300
1650008.7800,764888.8300,744.7100
1650008.5700,764895.4600,742.8700
1650008.3800,764901.9800,740.4700
1650008.1600,764908.8100,738.9900
1650007.9600,764915.4200,736.8200
1650007.8000,764921.7400,733.1800
1650007.6300,764928.0700,729.5600
1650007.3900,764935.1300,728.6300
1650007.1400,764942.3600,728.1200
1650006.9300,764949.1600,726.2300
1650006.6900,764956.2900,725.5300
1650006.4400,764963.4800,724.8700
1650006.1900,764970.6900,724.0600
1650005.9600,764977.7900,722.8900
1650005.7400,764984.7700,721.0600
1650005.5000,764991.9300,719.8600
```

This map shows a sample of bare earth points. Note the point density. Average point density across the county is less than 6 feet.



**Lidar Point Distribution Example  
Bare Earth Points  
La Crosse County, WI  
April, 2007 Lidar Flight**

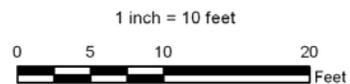
**Legend**

- T15N\_R5W\_XYZ\_POINTS



NAD83 (91) State Plane Wisconsin South FIPS 4803\_Feet  
National Geodetic Vertical Datum of 1929

Map prepared by La Crosse County Department of Land Conservation





**Lidar Point Distribution Example  
Bare Earth Points  
La Crosse County, WI  
April, 2007 Lidar Flight**

**Legend**

- T15N\_R5W\_XYZ\_POINTS

NAD83 (91) State Plane Wisconsin South FIPS 4803 \_Feet  
National Geodetic Vertical Datum of 1929

Map prepared by La Crosse County Department of Land Conservation



1 inch = 100 feet

