

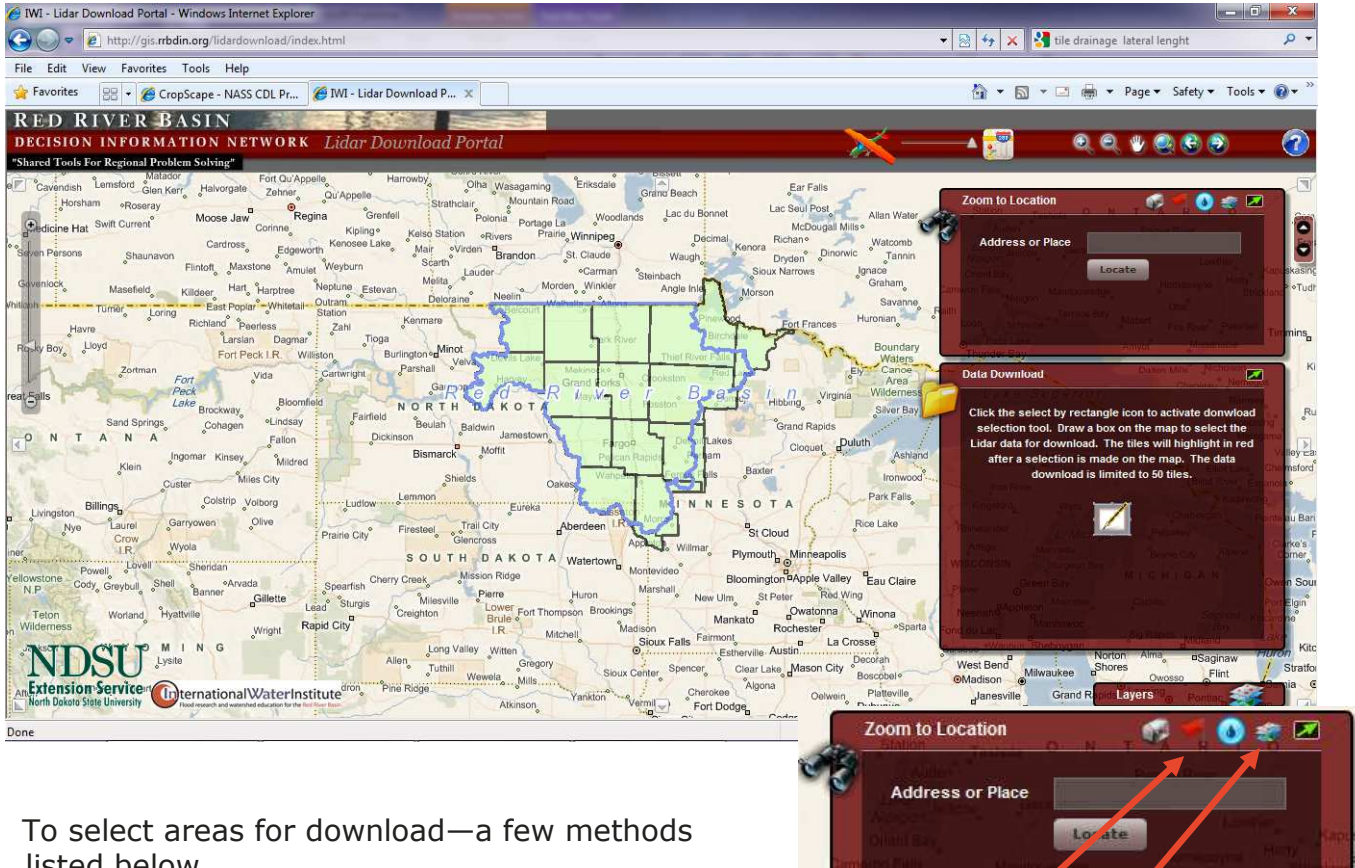
Downloading LiDAR—International Water Institute

One source for importing LiDAR data for the “Red River Valley of the North” is the International Water Institute.



NOTE : All of this LiDAR data is in UTM 14

<http://gis.rrbdin.org/lidardownload/index.html>



1. To select areas for download—a few methods listed below.

1. Use the zooming panning tools to find you location
2. Use the “Address or Place” line and type in a city name.
3. Select by “County” by clicking on the “Red Flag” button
4. Select by “Township and Range” on the “layered image” button

2. Once you get close to the area you want to be in, there should be a “Green” haze. This means there is data available!! To turn off the “Green” mask, click on the “Layers” Button.

3. Remove the “Check” from the “Lidar Data” item.



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4. Get zoomed to the area you want to download.

5. Click on the "Data Download" Button

Draw a box around the area for Downloading (make sure you cover all the area you want to work with)

Take note: you can only download 50 tiles in one download.

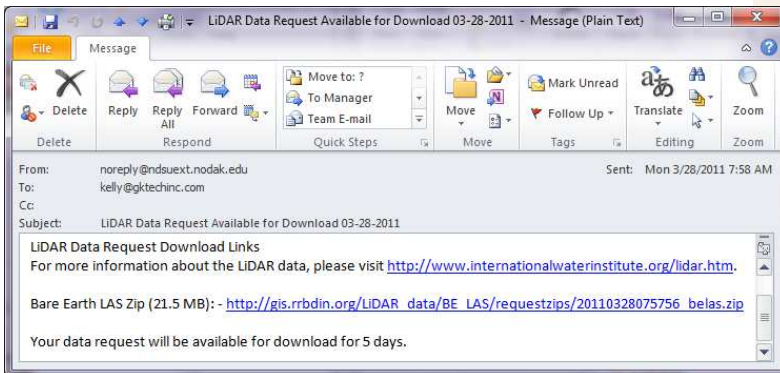
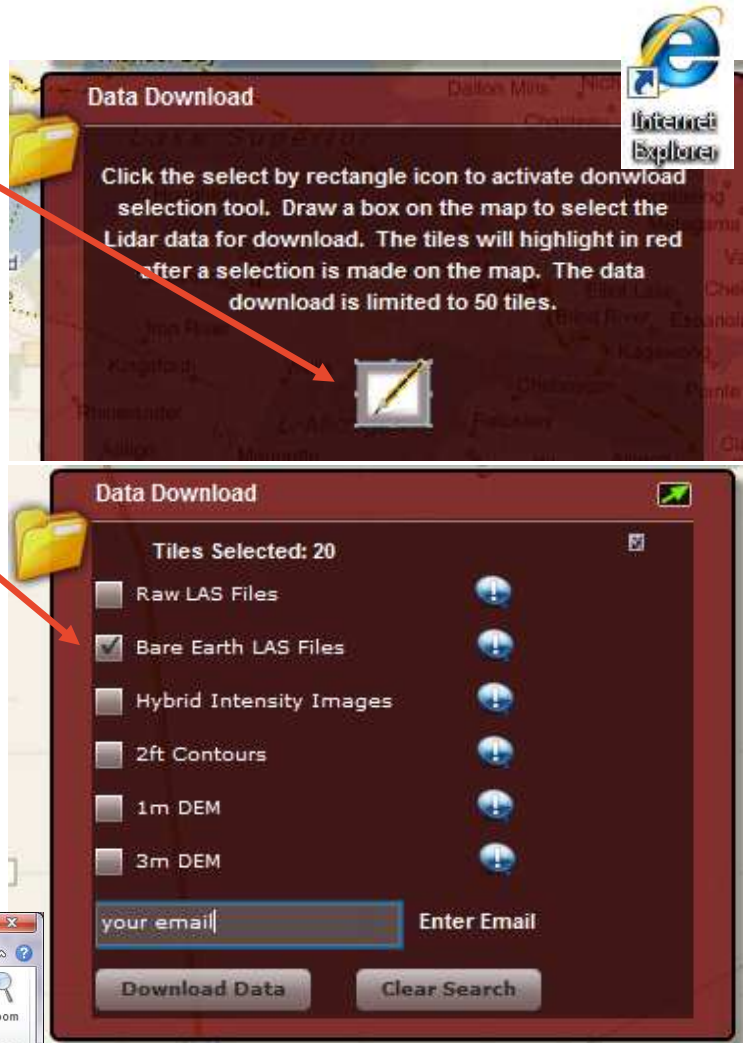
6. Once you have defined your area for download, a "Data Download" window will open.

7. ADMS can use either the "Bare Earth LAS Files" or the "Raw LAS Files" (we recommend the Bare Earth files)

Take note: the Raw LAS file has more data like building, high-med-low vegetation, noise and ground hits. Vs Bare earth just having ground hits only.

Finally enter a valid email address. The site will bundle all the tiles into one download link and send you an email to download.

Note: This can take 1 min up to 1 day for email response



Click "Save" when the download window opens.

In saving the files, we suggest you save the files back to your C:/GKData/Imagery/LIDAR folder. It is recommended to save all your files back to a "LIDAR" folder to keep things clear. If you are working with more than a couple counties of data, you may want to create "County" folders within the LIDAR folder.

Once saved there, the data must be UNZIPPED. We suggest cleaning up files so you have all the xxxx.las files in a "LIDAR" or "County" folder.

See Processing LIDAR

