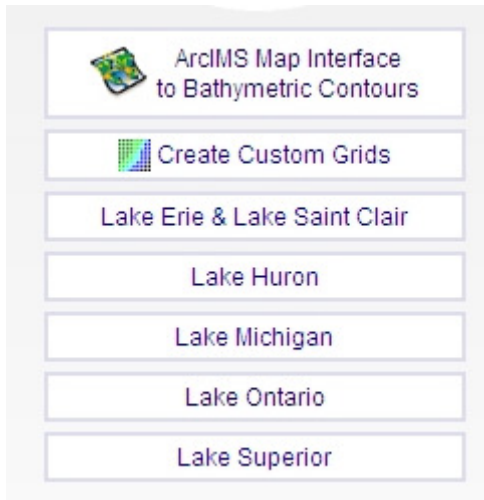


Accessing Great Lakes Bathymetry Data

1. Follow the provided link: <http://www.ngdc.noaa.gov/mgg/greatlakes/greatlakes.html>
2. On the side bar, click on the name of the lake you would like bathymetric data for. If you want data for multiple lakes, click "ArcIMS Map Interface to Bathymetric Contours". The interactive map will open in a new window.



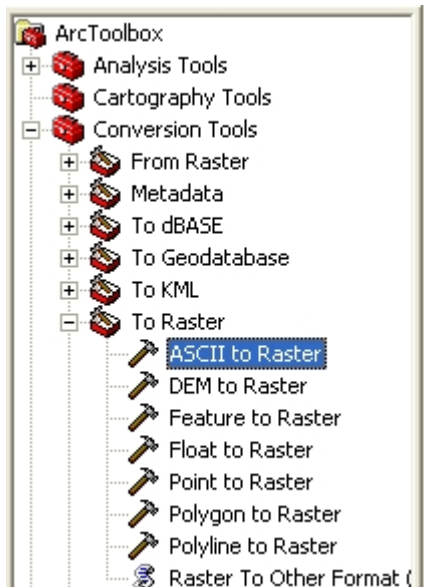
3. Click and drag a rectangle around the area you want. It will zoom in to that area.



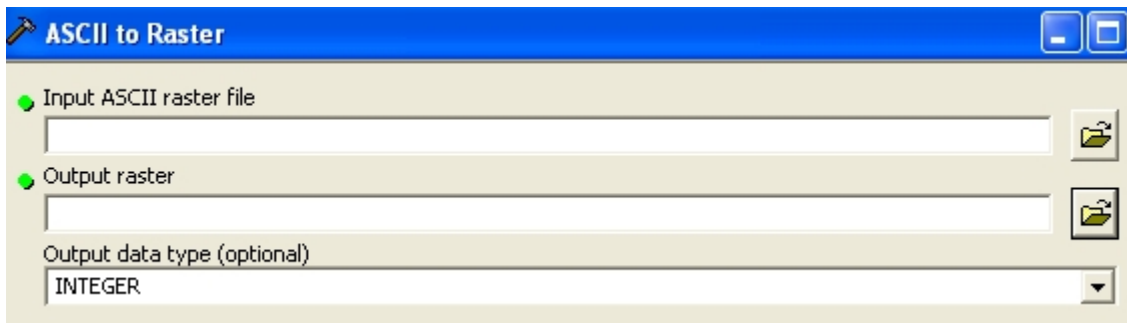
4. Click the "Create a Custom Grid" button in the lower-right corner. This will open a new window.

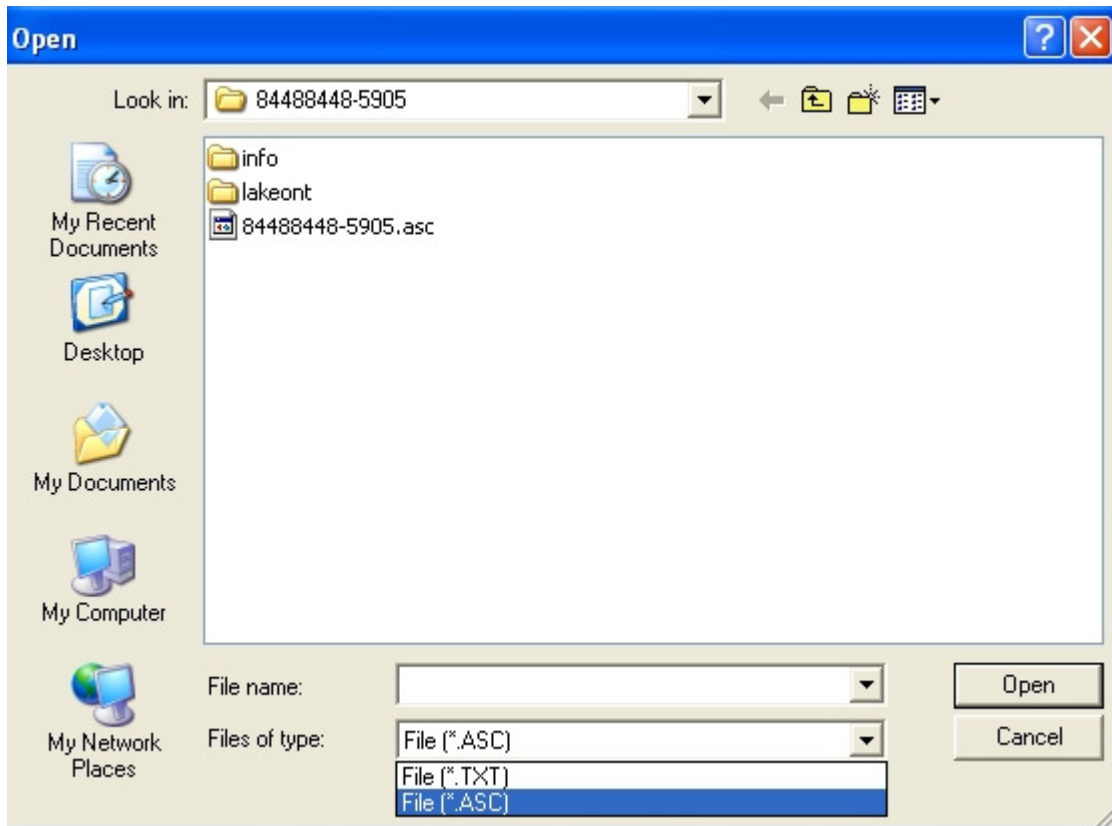


5. -Click the radio button for the OS you are using (Windows, Macintosh etc.).
 -For the field “Your Grid Id”, enter any 8 character code (this is just for your own reference).
 -Do not change the grid area; the extents have already been defined based on the area you zoomed to on the interactive map.
 -Choose your grid cell size (the default, which is 3 seconds, is the finest resolution).
 -Finally, for “Grid Format”, select “ASCII Raster Format”.
6. Once everything is specified, click the “Submit” button next to the “Your Grid Id” field. In the next window, you will see some progress bars, and then you can click the “Compress and Retrieve Your Grid” button. This will open another window. Once again, click the “Retrieve” button to download your file.
7. Once you have access to the file, it must be converted from the ASCII format to a usable raster format. This can be done in ArcCatalog or in ArcMap. In the ArcToolbox, follow the path Conversion Tools > To Raster > ASCII to Raster.



8. For the field “Input ASCII raster file”, click the folder to browse to the location of the file you downloaded. Be sure to change “files of type” to “*.ASC”, so that the file will appear





9. For the field "Output Raster" you can specify where you would like the new file to be created, and what you would like it to be named. For "Output data type", if you don't know which one you need, just leave it as "INTEGER".
10. The new file you created is a properly viewable DEM.