

Global Mapper

Configuration

General | Vector Display | Area Styles | Line Styles | Point Styles | Vertical Options | Shader Options | Projection

Projection:

Zone:

Minnesota South (FIPS 2203)

Datum:

NAD83

Planar Units: FEET (U.S. SURVEY)

Parameters:

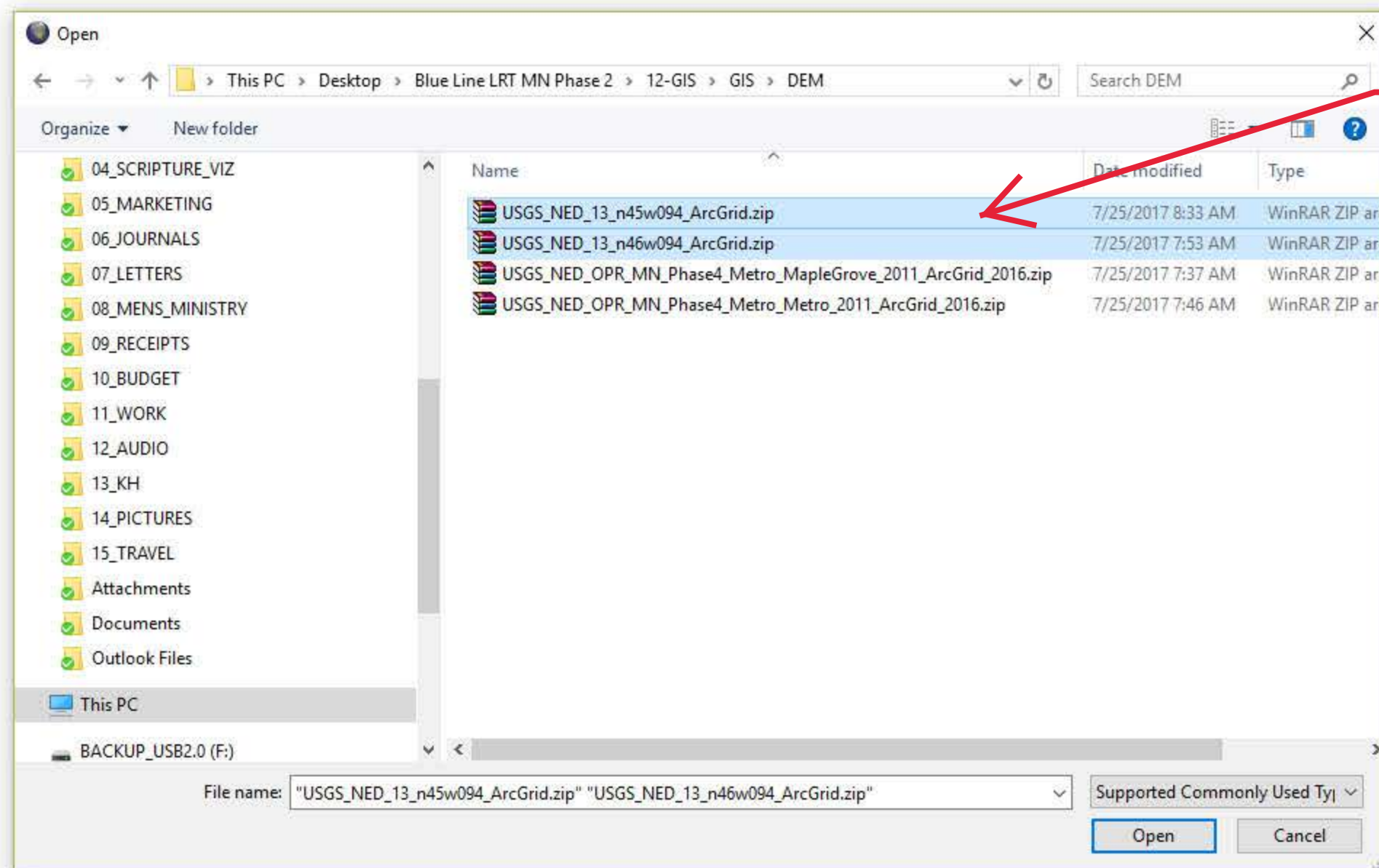
Attribute	Value
STATE PLANE SCALE FACTOR	1.000000000
EXTRA FALSE EASTING (m)	0
EXTRA FALSE NORTHING (m)	0
EXTRA SCALE CENTER EASTING...	0
EXTRA SCALE CENTER NORTHING...	0
FIRST STANDARD PARALLEL	43.78333333
SECOND STANDARD PARALLEL	45.21666667

OK Cancel Apply Help

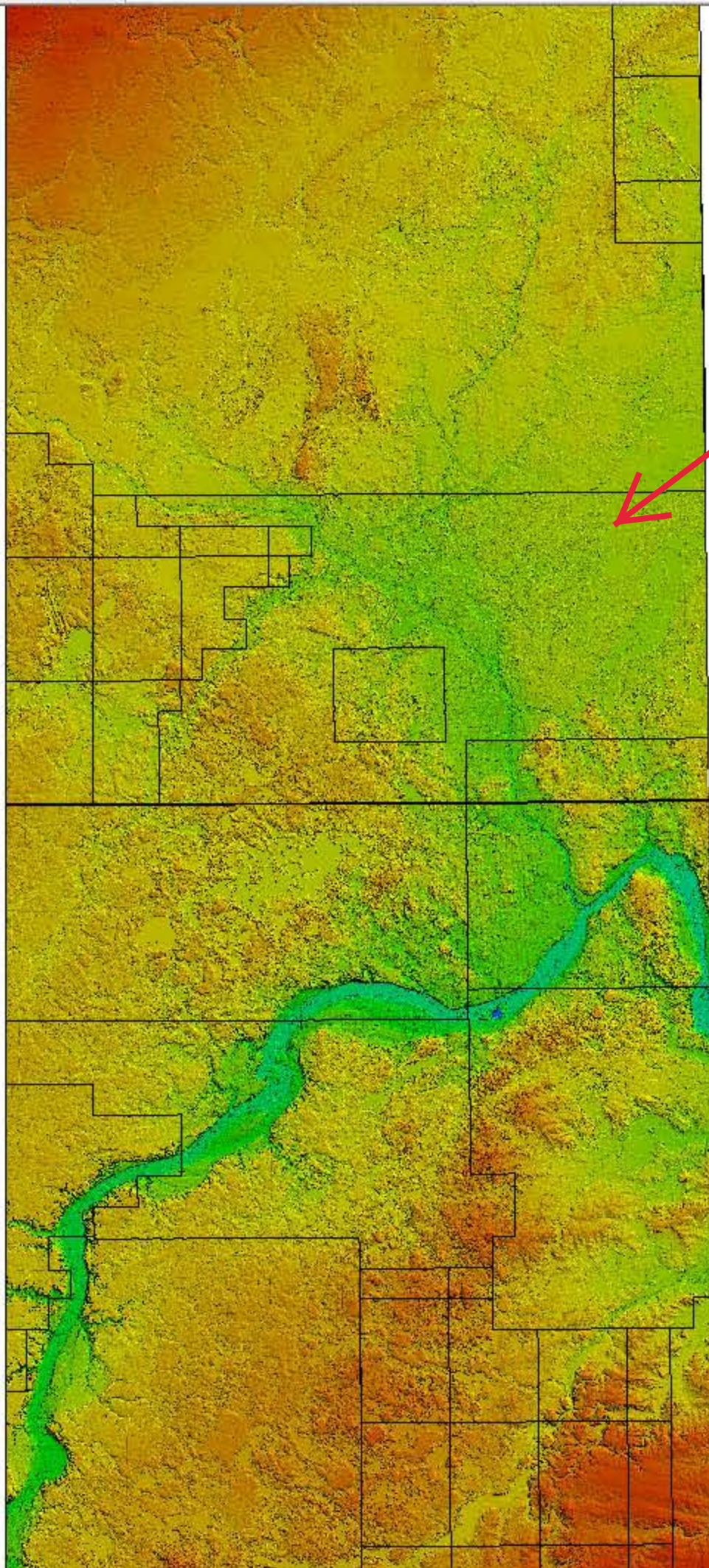
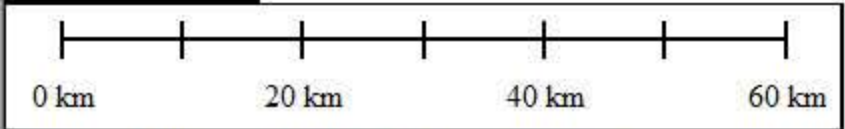
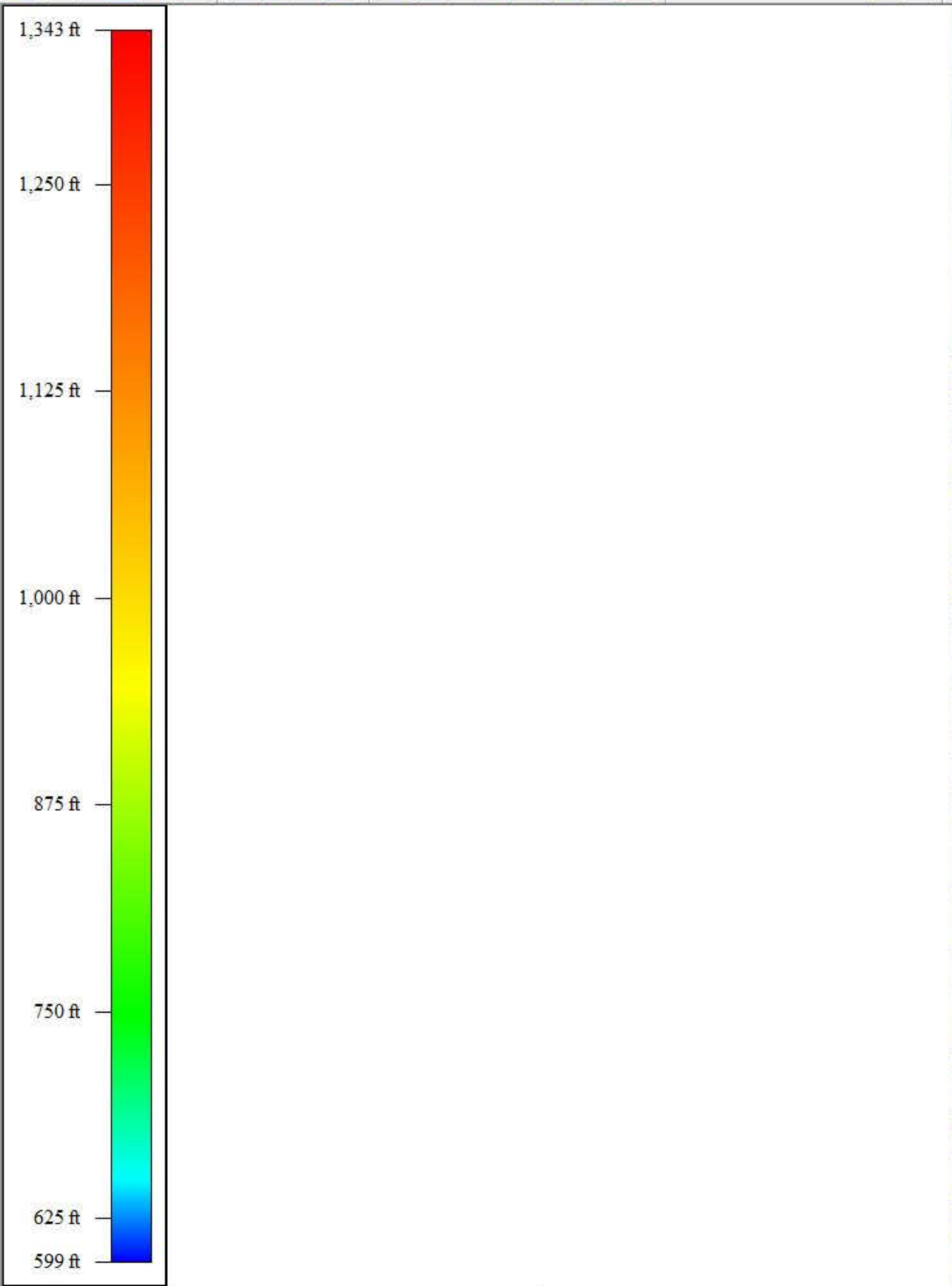
-  **Open Your Own Data Files**
(Menu Command: File->Open Data File)
-  **Find Data Online**
(Menu Command: File->Find Data Online)
-  **Download Free Maps/Imagery from Online Sources**
(Menu Command: File->Download Online Imagery/Topo Maps)
-  **Display Settings/Projection**
(Menu Command: Tools->Configuration)
-  **Manage Loaded Data**
(Menu Command: Tools->Control Center)

Before loading any data into Global Mapper it is best to configure the Projection to the appropriate coordinate system for the project.

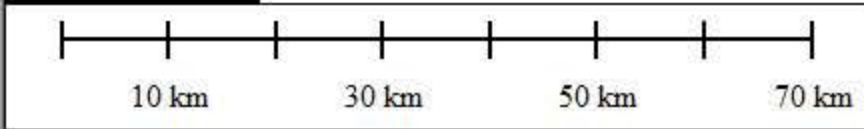
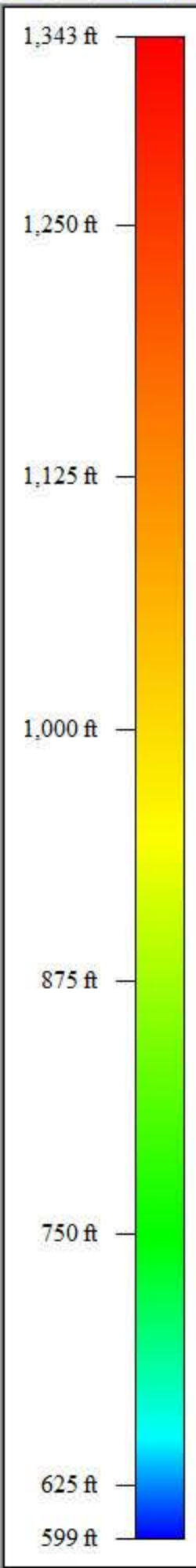
Global Mapper



File>open data files. This data was downloaded from USGS. There is no need to unzip; Global Mapper will load the appropriate files.



This is the DEM files that were just loaded.



Overlay Control Center

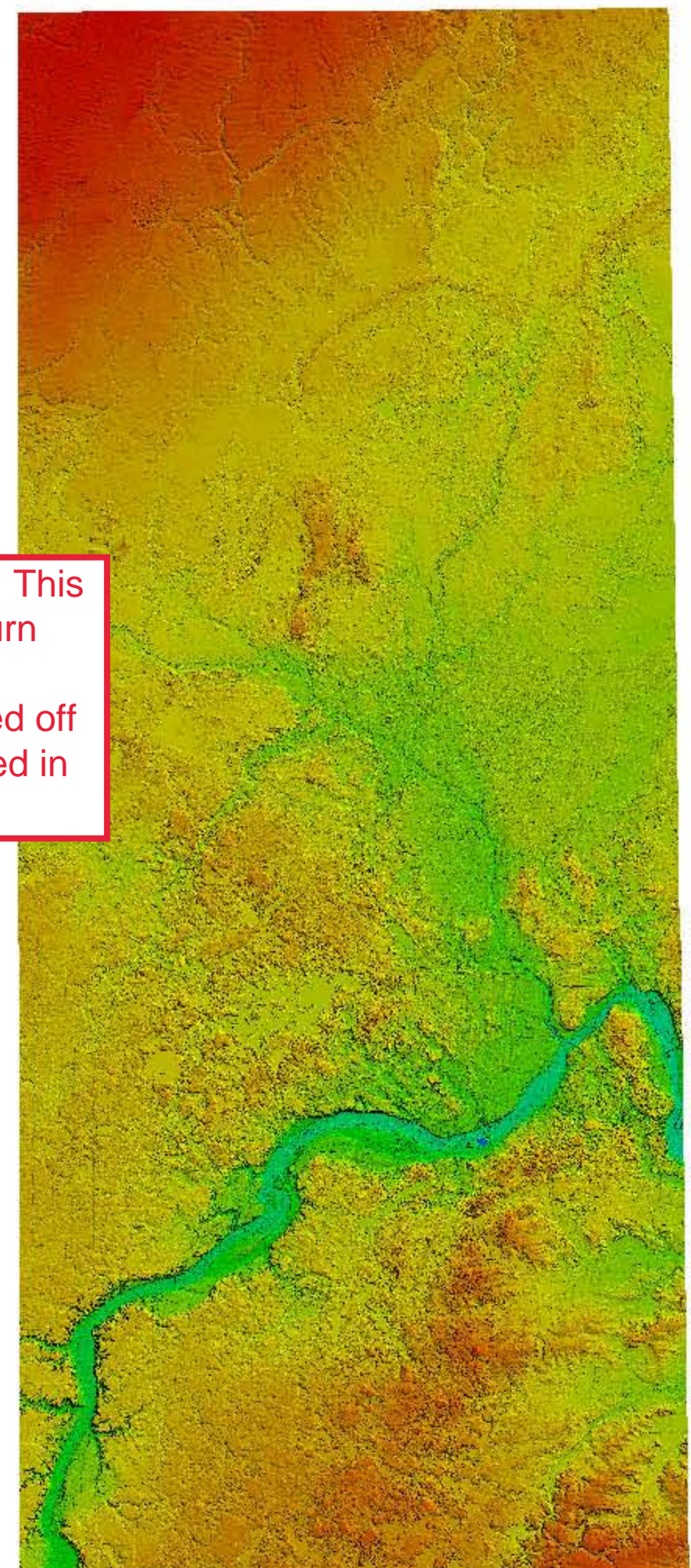
Currently Opened Overlays (Right Click on Overlay Names for More Options)

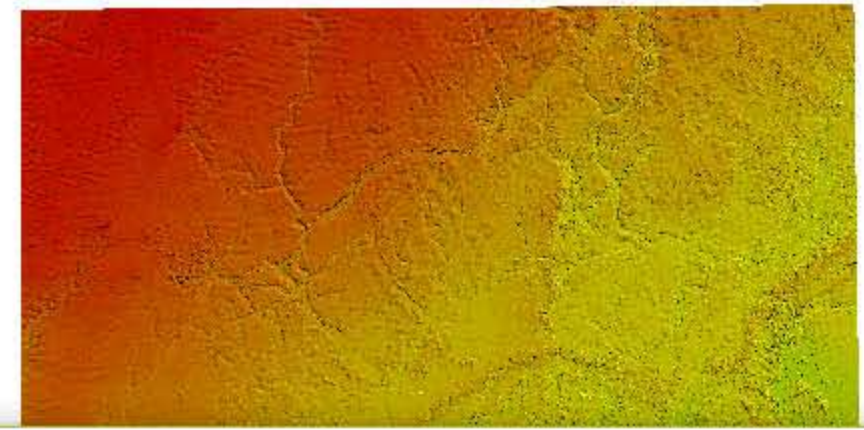
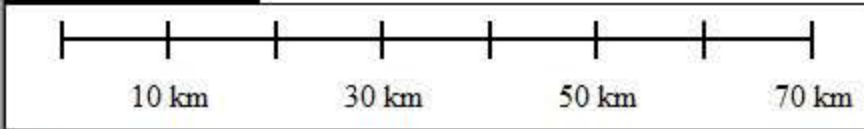
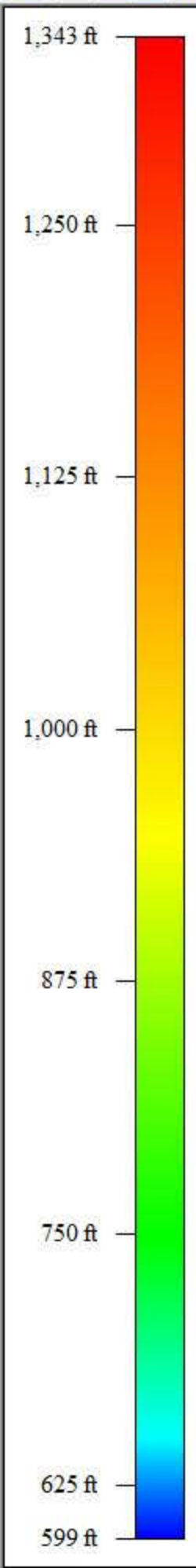
<input checked="" type="checkbox"/>		USGS_NED_13_n45w094_ArcGrid.zip	
<input type="checkbox"/>		n45w094.shp	
<input checked="" type="checkbox"/>		USGS_NED_13_n45w094_ArcGrid_thumb.jpg	
<input checked="" type="checkbox"/>		USGS_NED_13_n46w094_ArcGrid.zip	
<input type="checkbox"/>		n46w094.shp	
<input checked="" type="checkbox"/>		USGS_NED_13_n46w094_ArcGrid_thumb.jpg	

Metadata... Options... Show Overlay Close Overlay

Close

Tools>Control Center. This dialog allows you to turn data off, on or close overlays. Here, I turned off the overlays highlighted in blue.





Select Online Data Source to Download

Select Data Source

- **** POPULAR SOURCES ****
- **** PREMIUM CONTENT ****
- IMAGERY
- NearMap
 - United States of America
- TERRAIN DATA
- U.S. DATA
- WORLDWIDE DATA

Buttons: Add New Source... Remove Source Delete Cached Files... Add Sources from File...

Select Area to Download

Current Screen Bounds

Within 1 miles of address

Within 1 miles of latitude 45.1338751820085 longitude -93.3563509485142

Specify Latitude/Longitude Bounds of Area

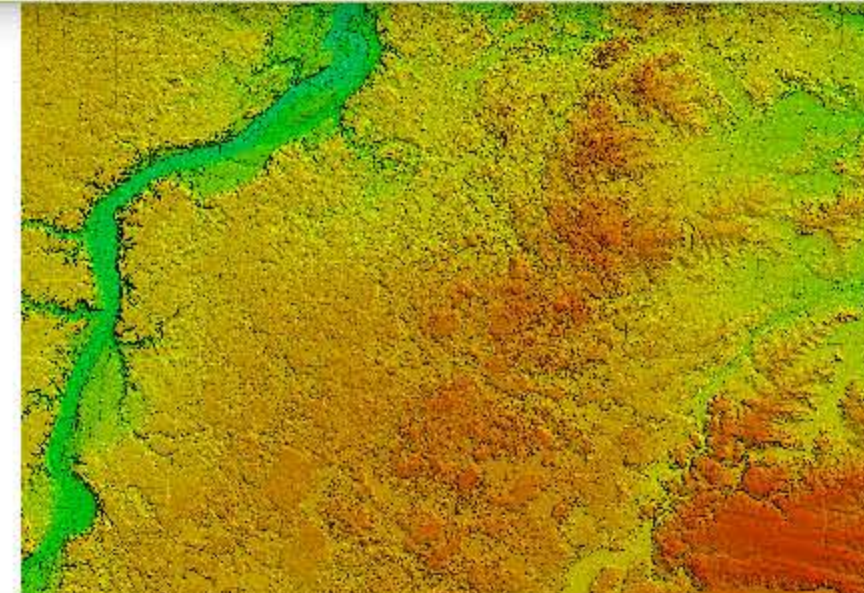
West: -95.6596989693291 North: 46.0398928758735 East: -91.053002927698 South: 44.2278574881437 Draw Box...

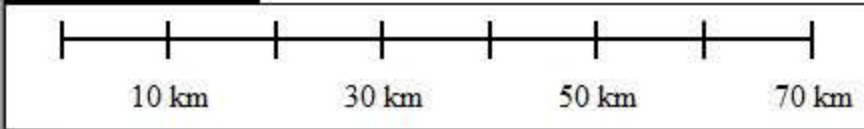
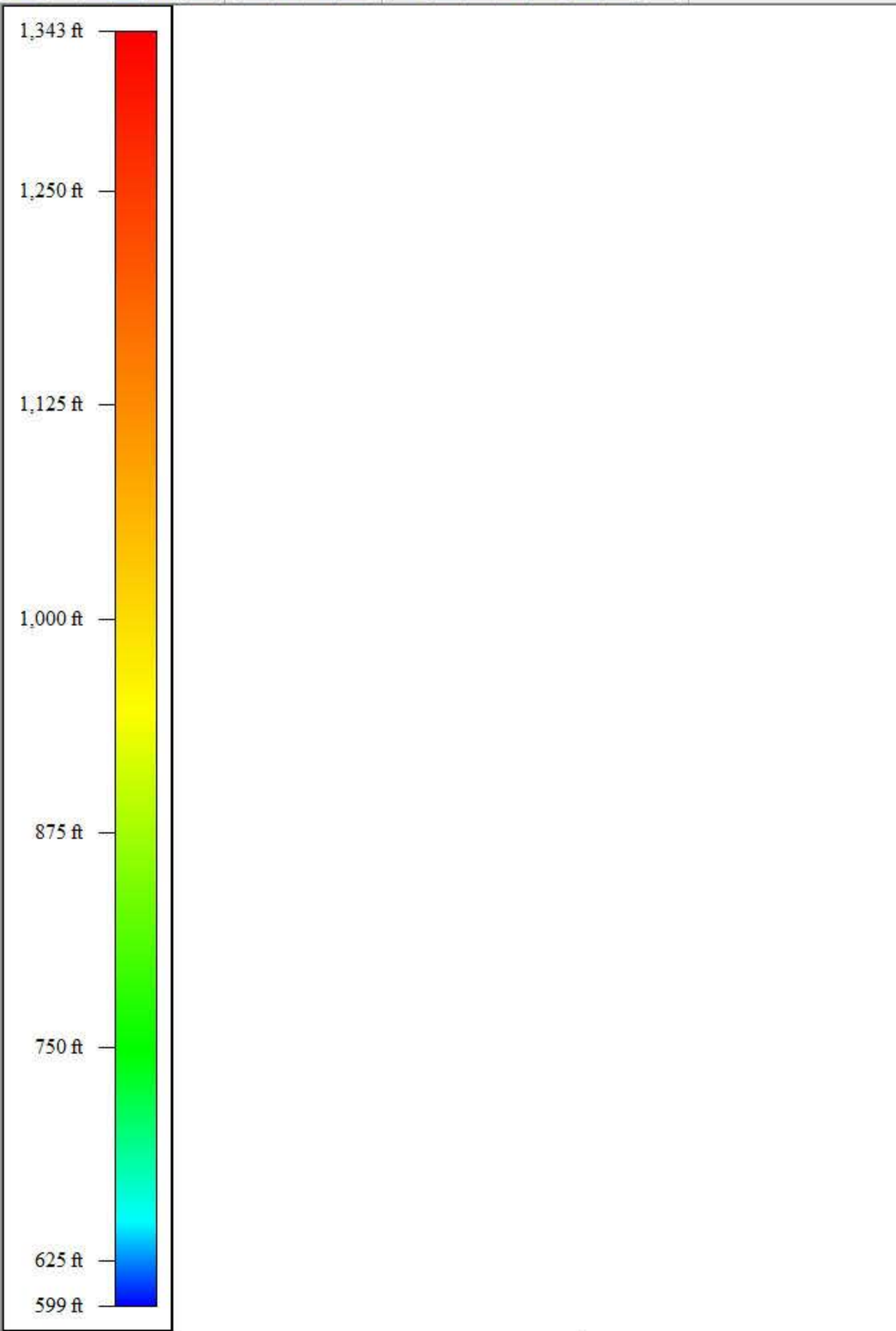
(NOTE: Longitude values in the Western Hemisphere and latitude values in the Southern hemisphere must be negative.)

Entire Data Source Bounds

IMPORTANT NOTE: These data sources are on external servers that we have no control over. The data may draw/export very slowly or become unavailable at any time. We have no control over this.

Near map is configured to work with Global Mapper through WMS server.





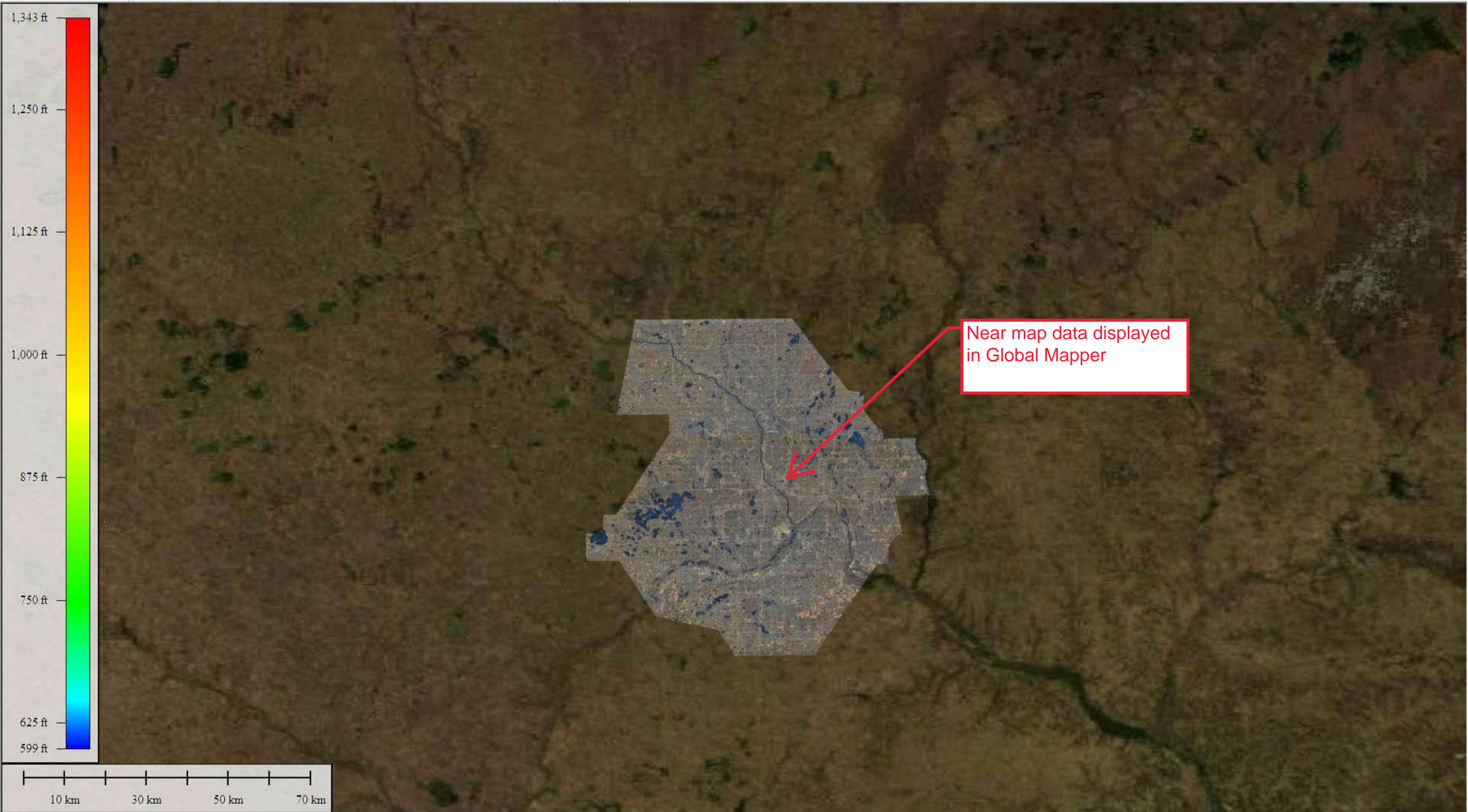
Windows Security

global_mapper12.exe

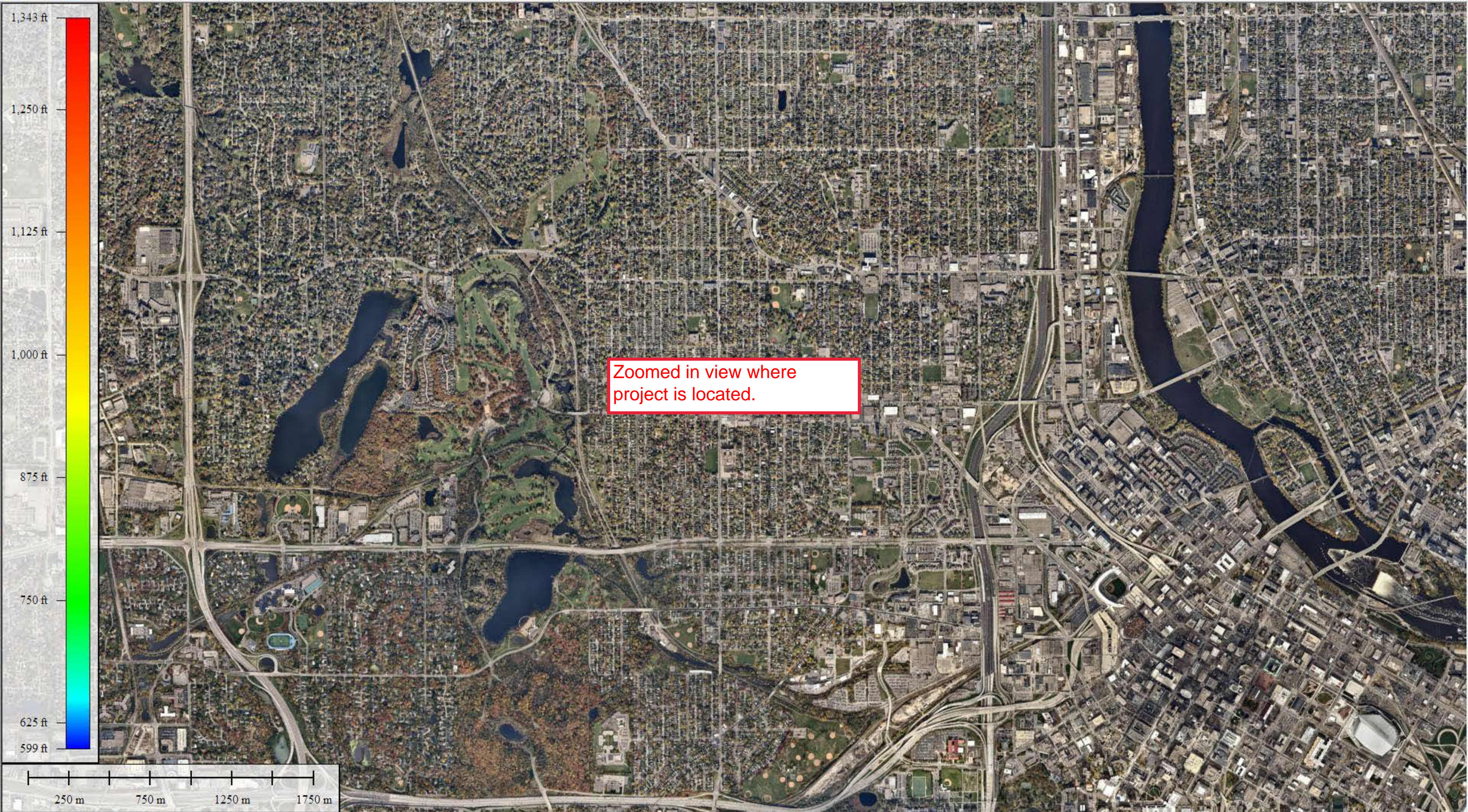
The server wmsus.nearmap.com is asking for your user name and password. The server reports that it is from nearmap.com.

Remember my credentials

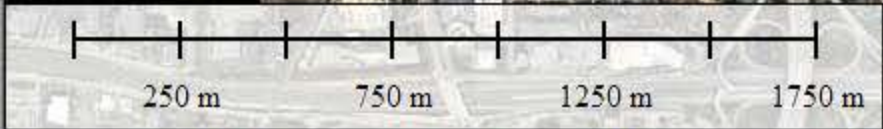
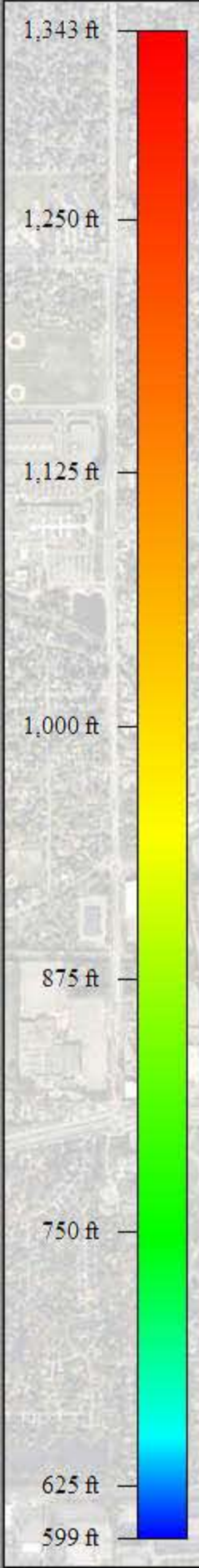
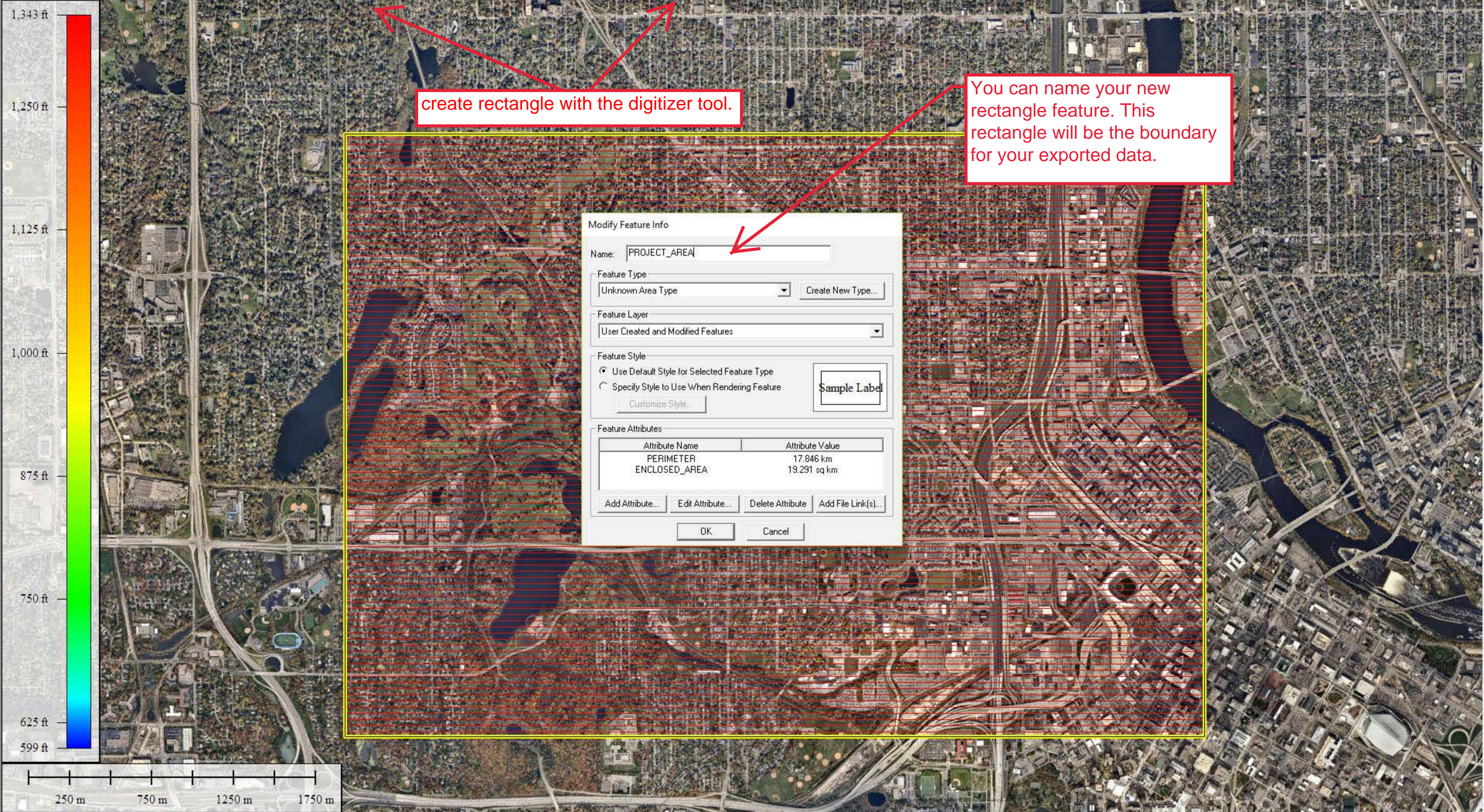
OK Cancel



Near map data displayed in Global Mapper



Zoomed in view where project is located.



create rectangle with the digitizer tool.

You can name your new rectangle feature. This rectangle will be the boundary for your exported data.

Modify Feature Info

Name:

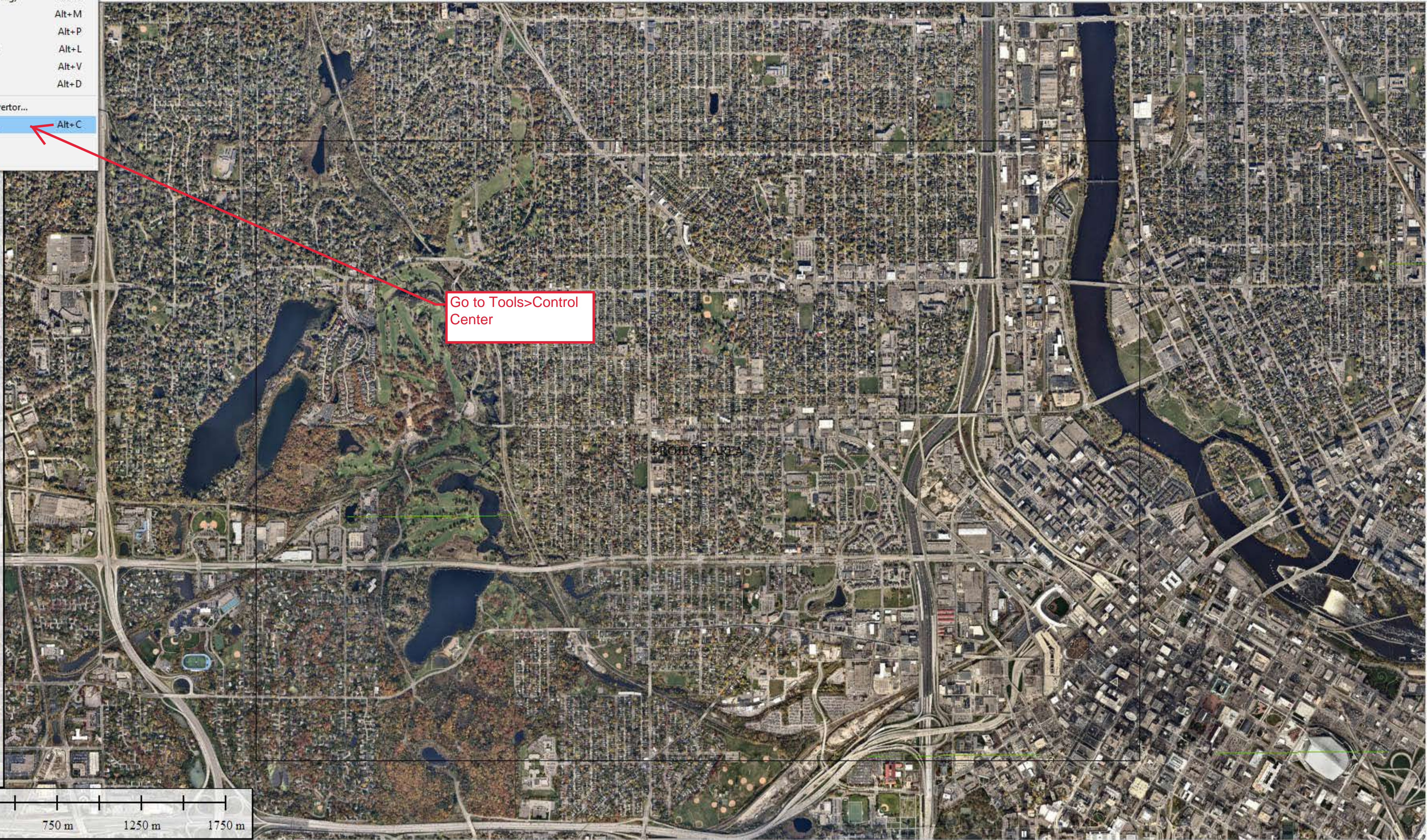
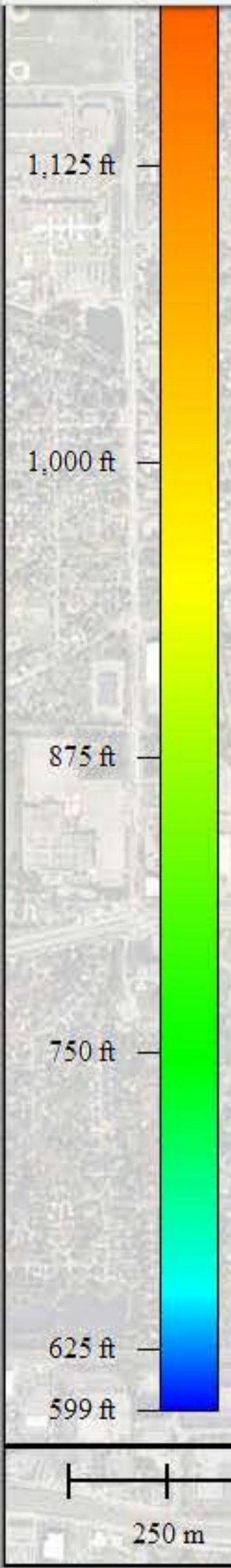
Feature Type:

Feature Layer:

Feature Style: Use Default Style for Selected Feature Type Specify Style to Use When Rendering Feature

Attribute Name	Attribute Value
PERIMETER	17.846 km
ENCLOSED_AREA	19.291 sq km

- Zoom Alt+Z
- Pan (Grab-and-Drag) Alt+G
- Measure Alt+M
- Feature Info Alt+P
- Path Profile/LOS Alt+L
- View Shed Alt+V
- Digitizer Alt+D
- Coordinate Convertor...
- Control Center... Alt+C**
- Configure...
- Map Layout...



Go to Tools>Control Center



Turn off DEM files in order to export ortho imagery.

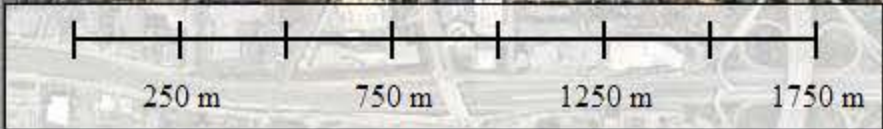
Overlay Control Center

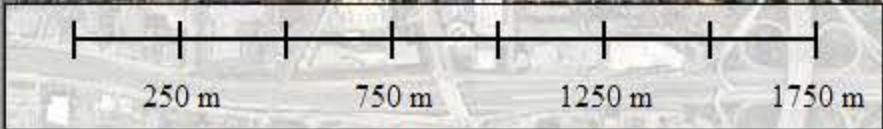
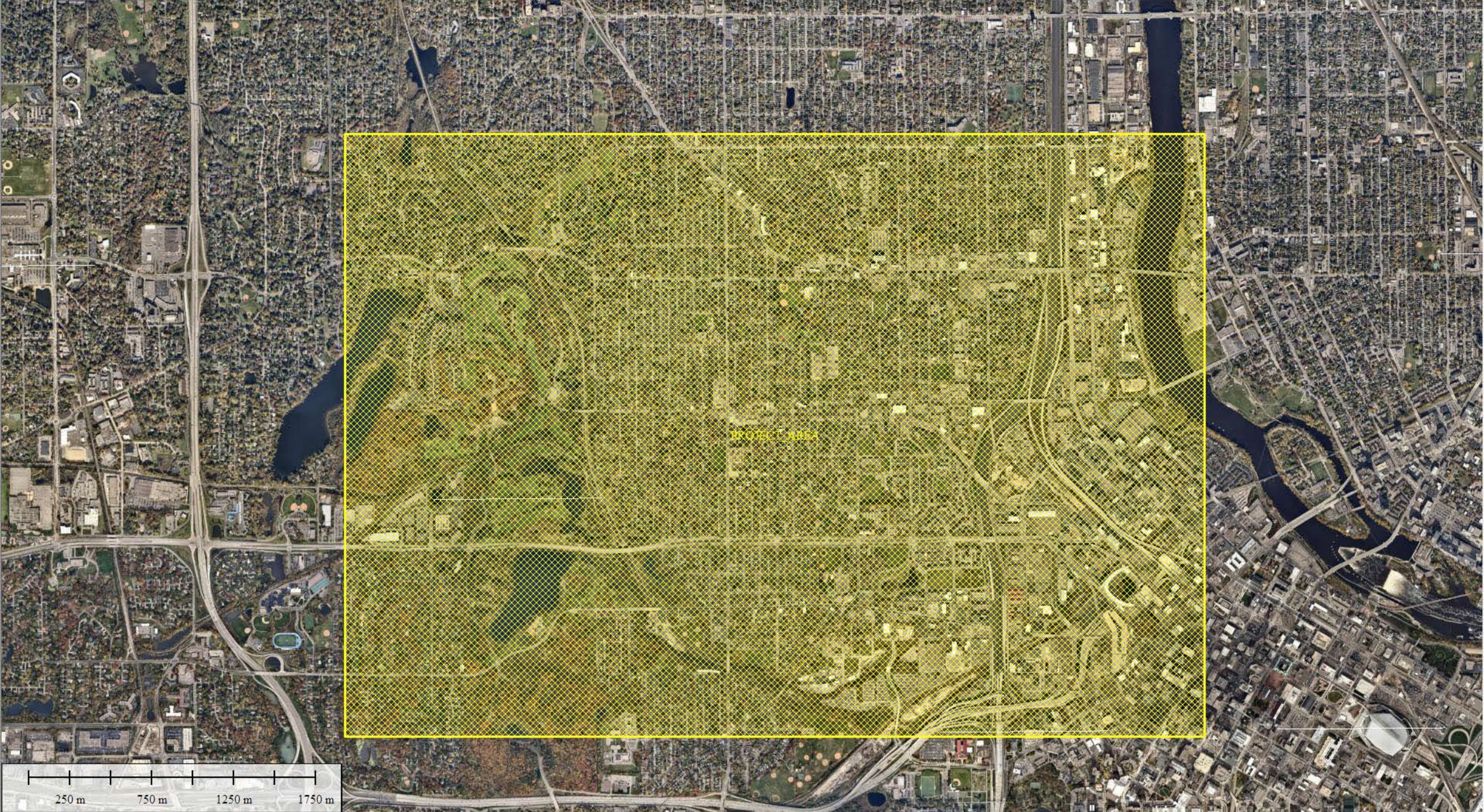
Currently Opened Overlays (Right Click on Overlay Names for More Options)

- USGS_NED_13_n45w094_ArcGrid.zip
- USGS_NED_13_n46w094_ArcGrid.zip
- United States of America
- User Created Features

Metadata... Options... Show Overlay Close Overlay

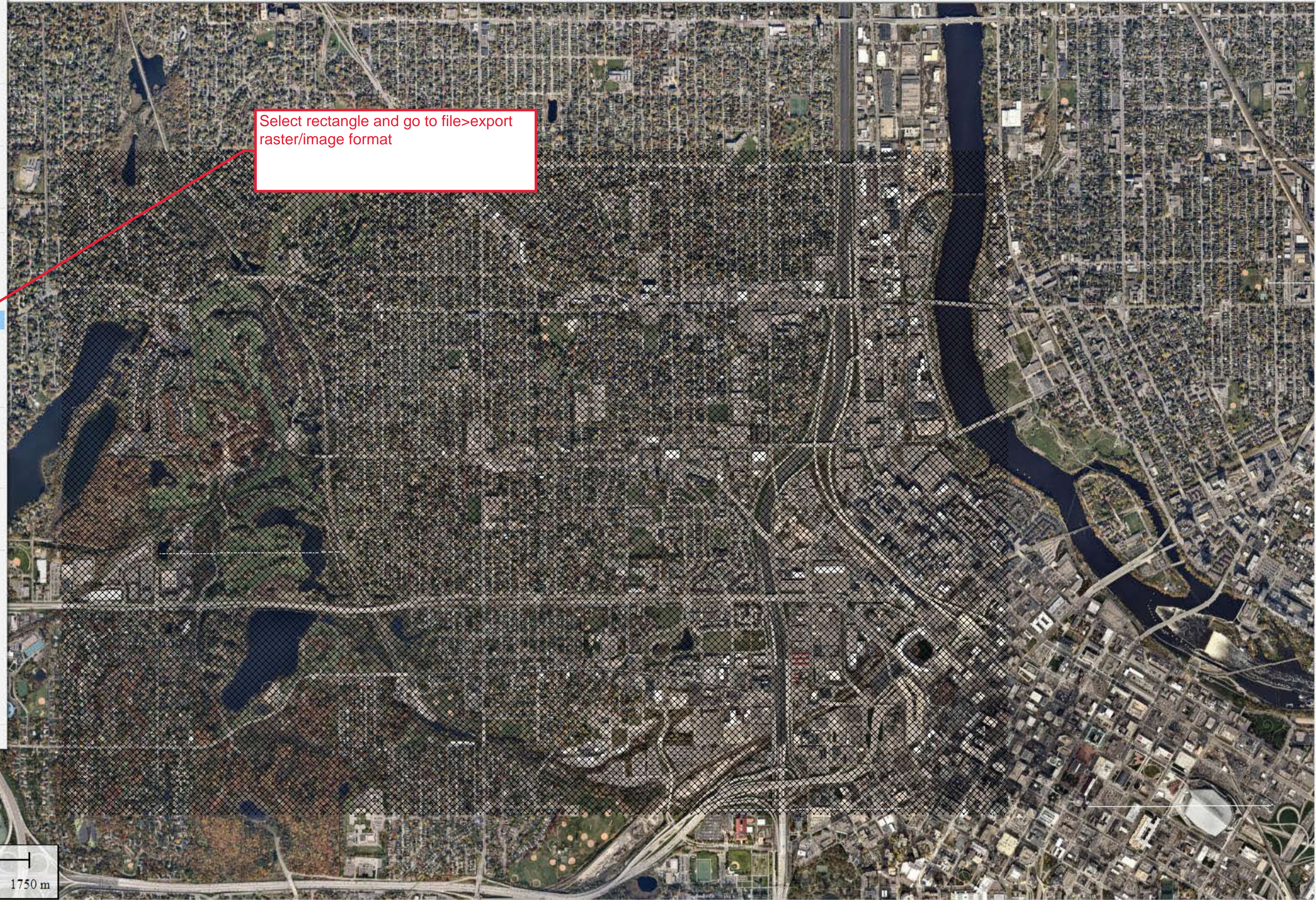
Close



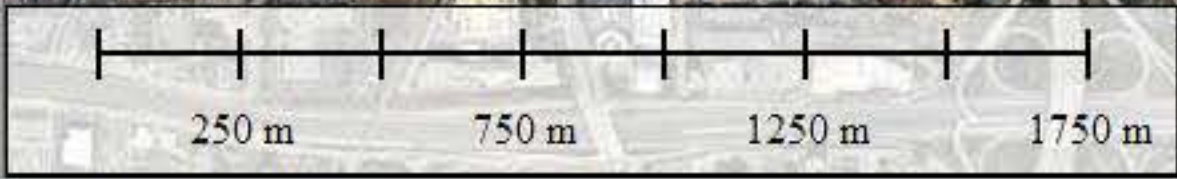


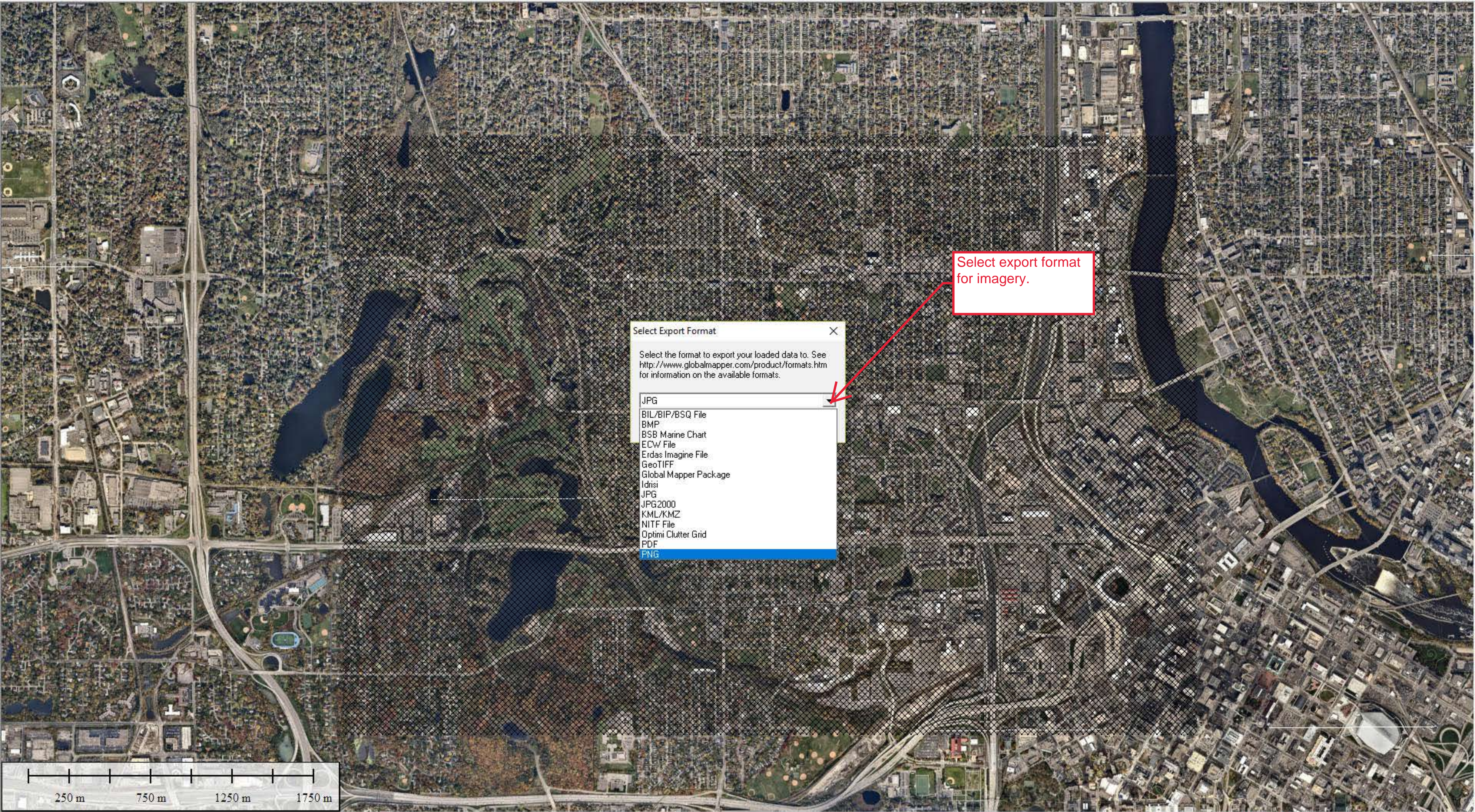


- Open Data File(s)... Ctrl+O
- Open Generic ASCII Text File(s)...
- Open All Files in a Directory Tree...
- Open ECW File from the Web...
- Open Data File at Fixed Screen Location...
- Unload All... Ctrl+U
- Create New Map Catalog...
- Find Data Online...
- Download Online Imagery/Topo/Terrain Maps...
- Load Workspace... Ctrl+W
- Save Workspace... Ctrl+S
- Save Workspace As...
- Run Script...
- Capture Screen Contents to Image... Shift+C
- Export Global Mapper Package File...
- Export PDF File...
- Export Elevation Grid Format...
- Export Raster/Image Format...**
- Export Vector Format...
- Export Web Format...
- Batch Convert/Reproject...
- Create S-63 User Permit File...
- Combine Terrain Layers...
- Generate Contours...
- Generate Watershed...
- Rectify (Georeference) Imagery...
- Print... Ctrl+P
- Print Preview...
- Print Setup...
- 1 USGS_NED_13_n46w094_ArcGrid.zip
- 2 USGS_NED_13_n45w094_ArcGrid.zip
- 3 H:\KH\SEDONA_GIS\SEDONA.gmw
- 4 H:\KH\SEDONA_GIS\n35w112.zip
- 5 H:\KH\SEDONA_GIS\GE\GE_4.jpg
- 6 H:\KH\SEDONA_GIS\GE\GE_3.jpg
- 7 H:\KH\SEDONA_GIS\GE\GE_2.jpg
- 8 H:\KH\SEDONA_GIS\GE\GE_1.jpg
- 9 Sedona2Ortho REDUCED copy.tif
- Exit Alt+X



Select rectangle and go to file>export raster/image format



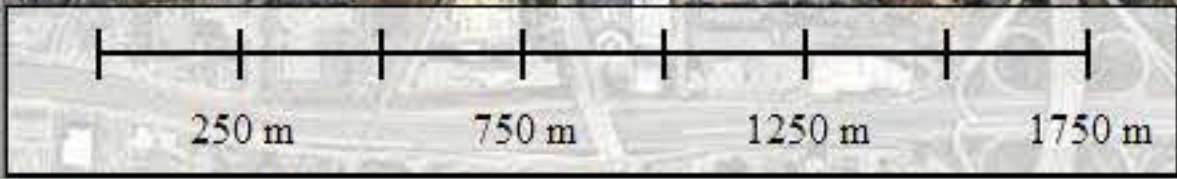


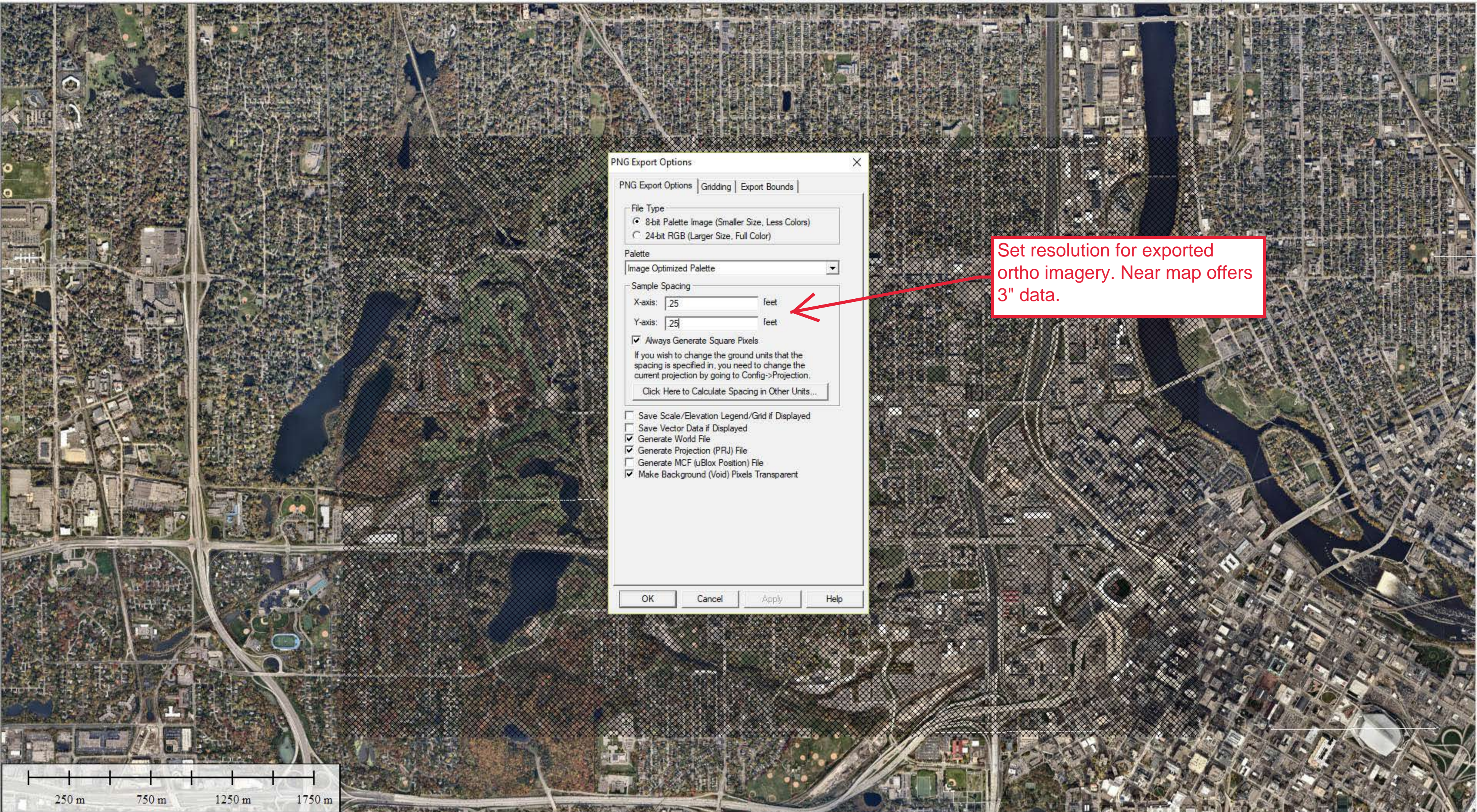
Select export format for imagery.

Select Export Format

Select the format to export your loaded data to. See <http://www.globalmapper.com/product/formats.htm> for information on the available formats.

- JPG
- BIL/BIP/BSQ File
- BMP
- BSB Marine Chart
- ECW File
- Erdas Imagine File
- GeoTIFF
- Global Mapper Package
- Idrisi
- JPG
- JPG2000
- KML/KMZ
- NITF File
- Optimi Clutter Grid
- PDF
- PNG





PNG Export Options

PNG Export Options | Gridding | Export Bounds

File Type
 8-bit Palette Image (Smaller Size, Less Colors)
 24-bit RGB (Larger Size, Full Color)

Palette
Image Optimized Palette

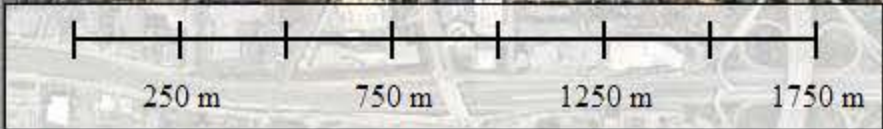
Sample Spacing
X-axis: feet
Y-axis: feet

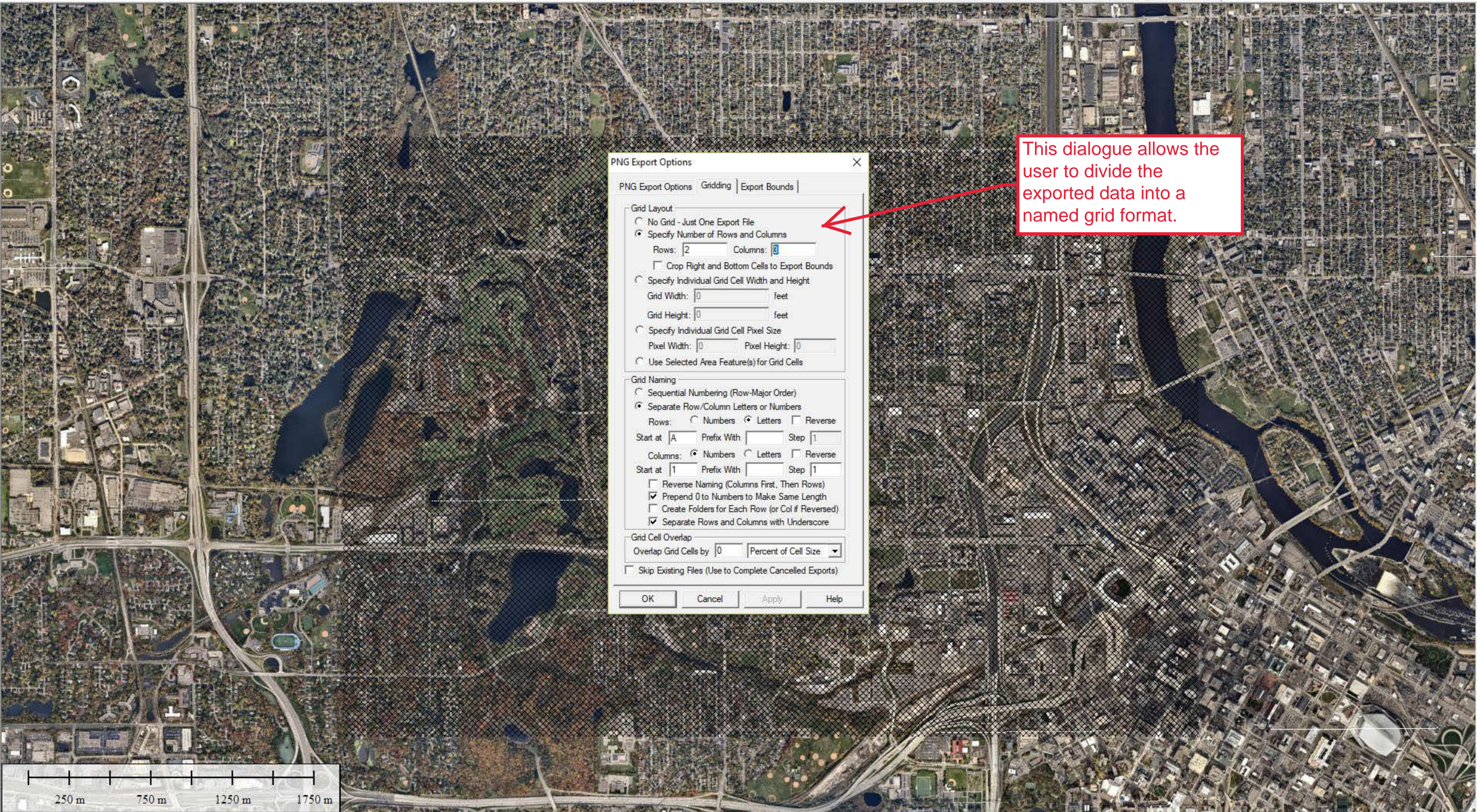
Always Generate Square Pixels
If you wish to change the ground units that the spacing is specified in, you need to change the current projection by going to Config->Projection.
[Click Here to Calculate Spacing in Other Units...](#)

Save Scale/Elevation Legend/Grid if Displayed
 Save Vector Data if Displayed
 Generate World File
 Generate Projection (PRJ) File
 Generate MCF (uBlox Position) File
 Make Background (Void) Pixels Transparent

OK Cancel Apply Help

Set resolution for exported ortho imagery. Near map offers 3" data.





PNG Export Options

PNG Export Options | Gridding | Export Bounds

Grid Layout:

- No Grid - Just One Export File
- Specify Number of Rows and Columns
 - Rows: Columns:
 - Crop Right and Bottom Cells to Export Bounds
- Specify Individual Grid Cell Width and Height
 - Grid Width: feet
 - Grid Height: feet
- Specify Individual Grid Cell Pixel Size
 - Pixel Width: Pixel Height:
- Use Selected Area Feature(s) for Grid Cells

Grid Naming:

- Sequential Numbering (Row-Major Order)
- Separate Row/Column Letters or Numbers
 - Rows: Numbers Letters Reverse
 - Start at Prefix With Step
 - Columns: Numbers Letters Reverse
 - Start at Prefix With Step
 - Reverse Naming (Columns First, Then Rows)
 - Prepend 0 to Numbers to Make Same Length
 - Create Folders for Each Row (or Col if Reversed)
 - Separate Rows and Columns with Underscore

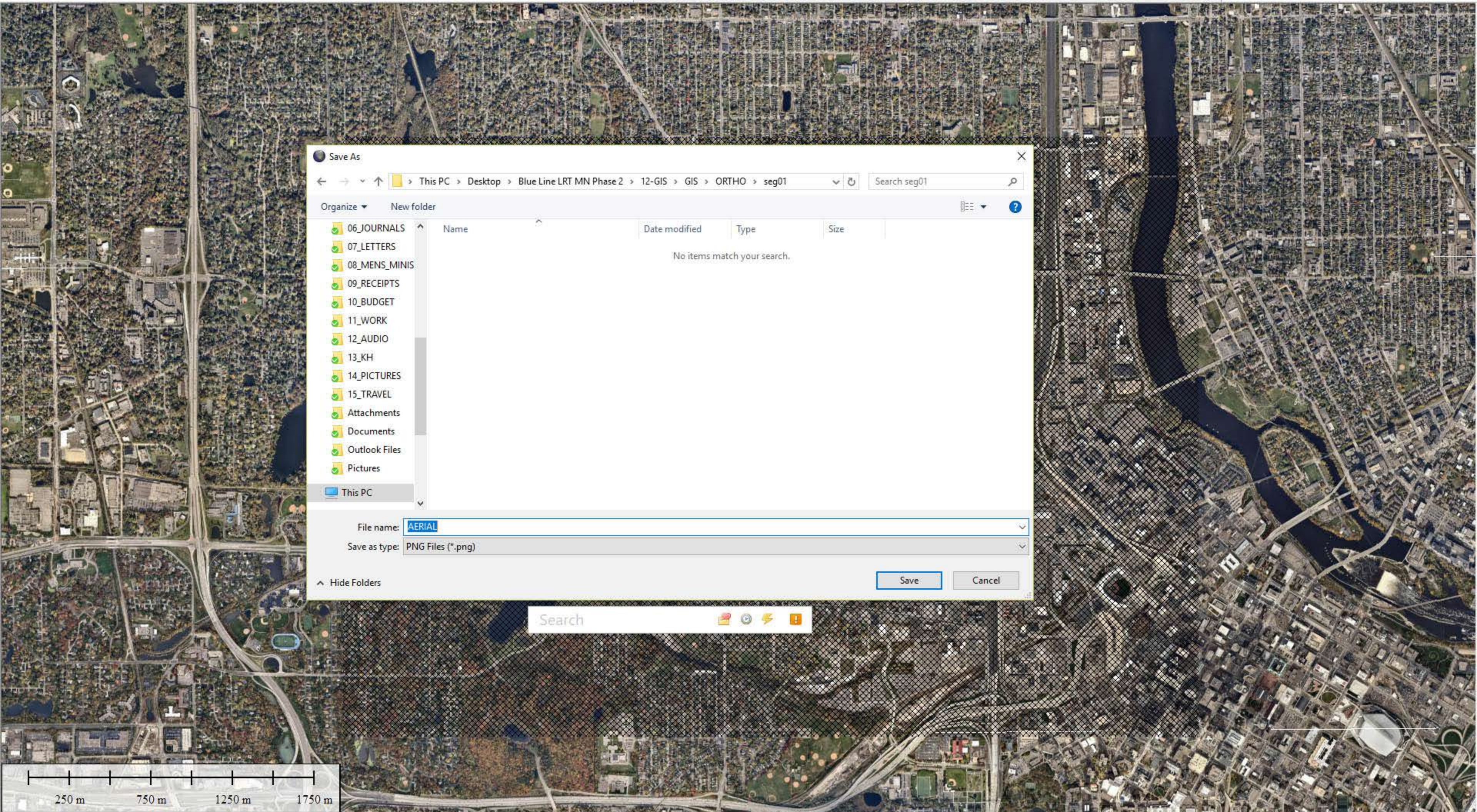
Grid Cell Overlap:

Overlap Grid Cells by Percent of Cell Size

Skip Existing Files (Use to Complete Cancelled Exports)

OK Cancel Apply Help

This dialogue allows the user to divide the exported data into a named grid format.



Save As

This PC > Desktop > Blue Line LRT MN Phase 2 > 12-GIS > GIS > ORTHO > seg01

Search seg01

Organize New folder

Name	Date modified	Type	Size
No items match your search.			

- 06_JOURNALS
- 07_LETTERS
- 08_MENS_MINIS
- 09_RECEIPTS
- 10_BUDGET
- 11_WORK
- 12_AUDIO
- 13_KH
- 14_PICTURES
- 15_TRAVEL
- Attachments
- Documents
- Outlook Files
- Pictures

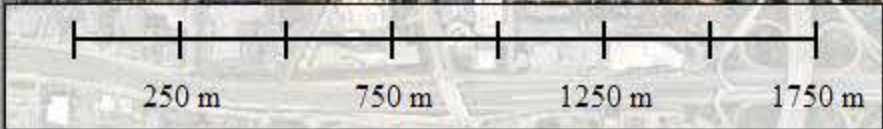
This PC

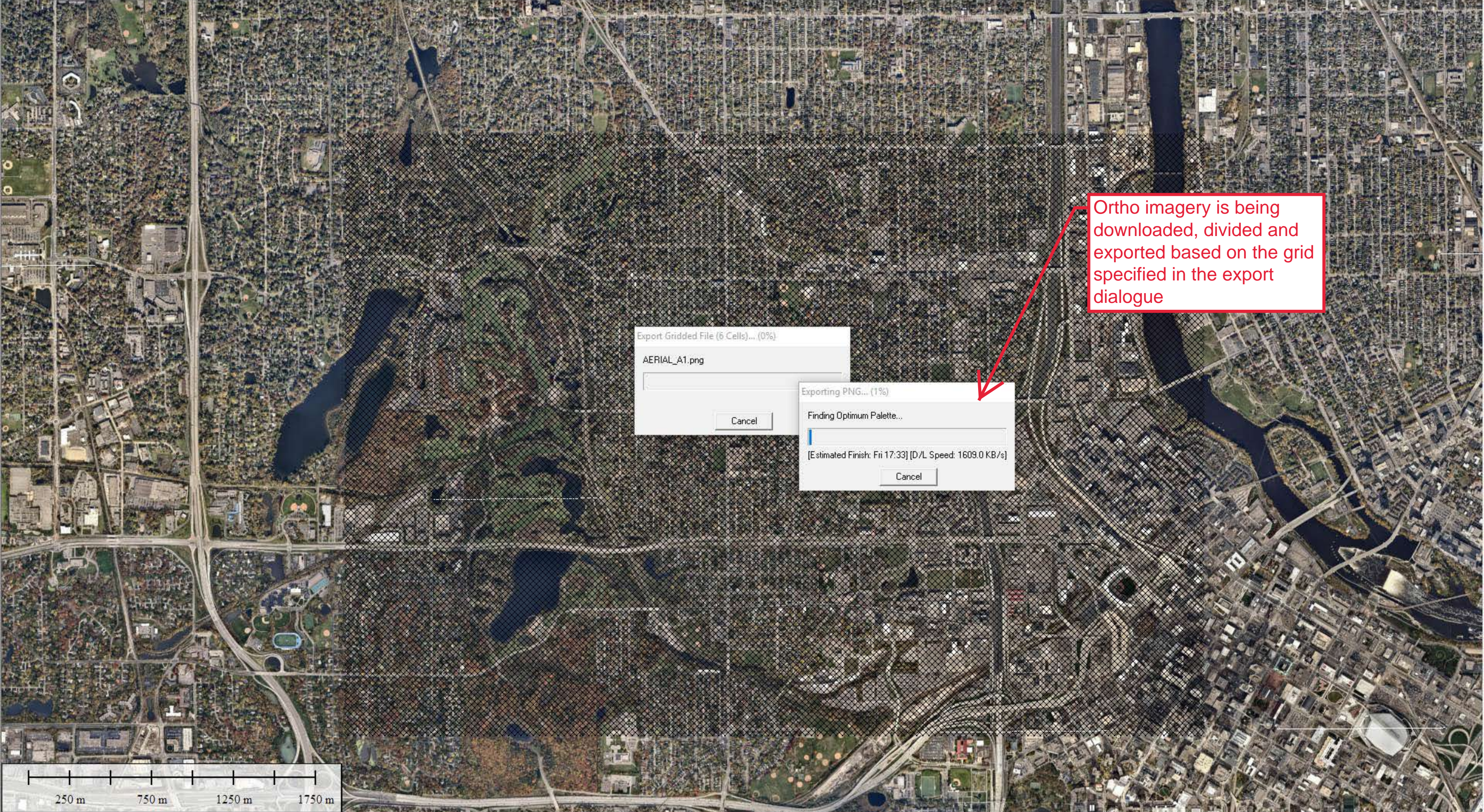
File name: AERIAL

Save as type: PNG Files (*.png)

Hide Folders Save Cancel

Search





Ortho imagery is being downloaded, divided and exported based on the grid specified in the export dialogue

Export Gridded File (6 Cells)... (0%)

AERIAL_A1.png

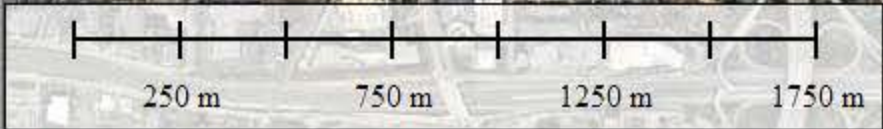
Cancel

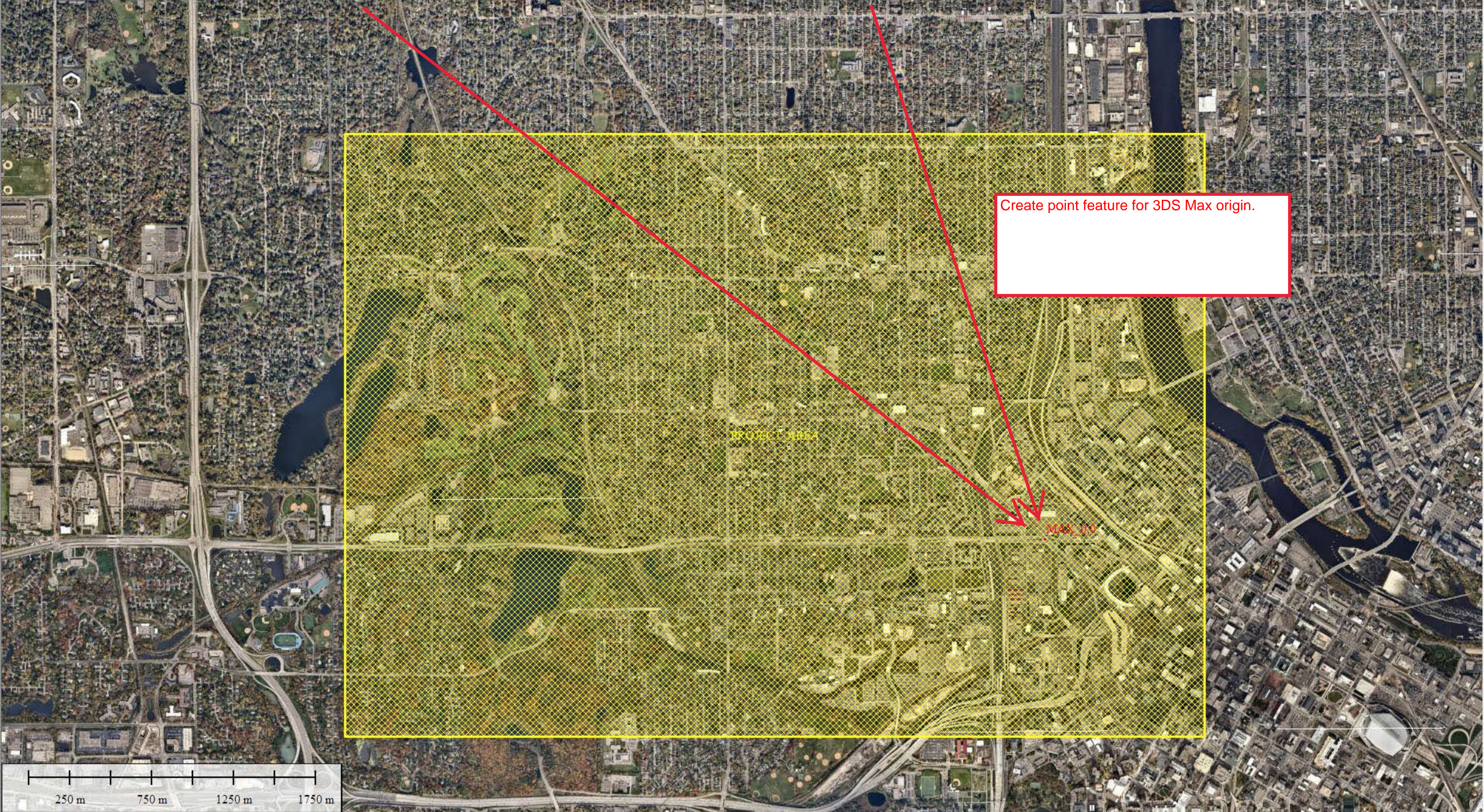
Exporting PNG... (1%)

Finding Optimum Palette...

[Estimated Finish: Fri 17:33] [D/L Speed: 1609.0 KB/s]

Cancel

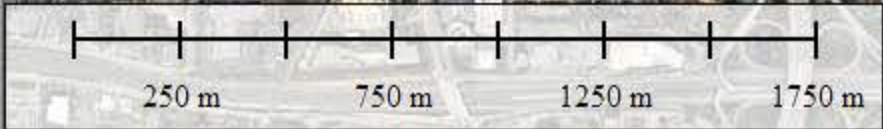




Create point feature for 3DS Max origin.

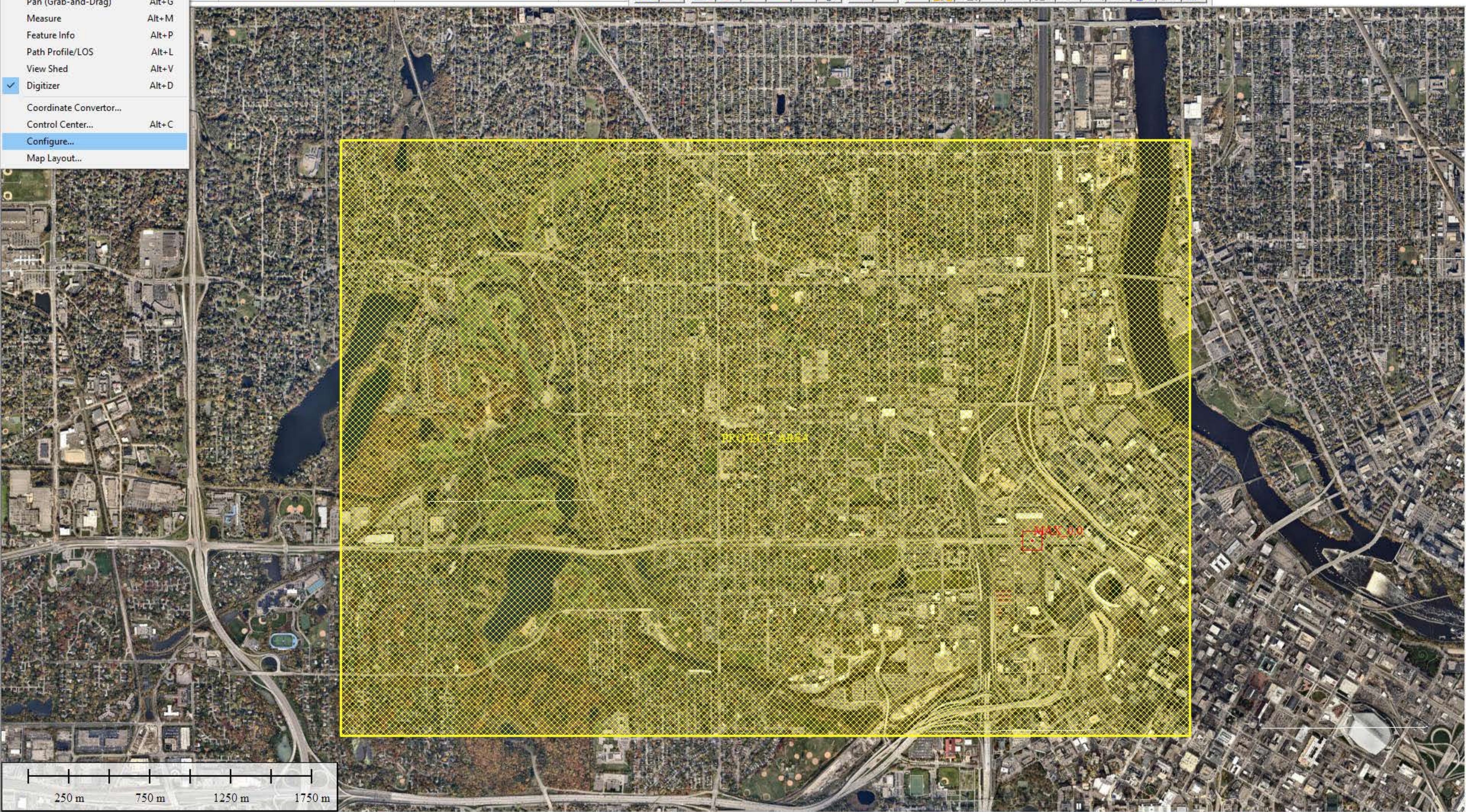
PROJECT AREA

MAX_0.0



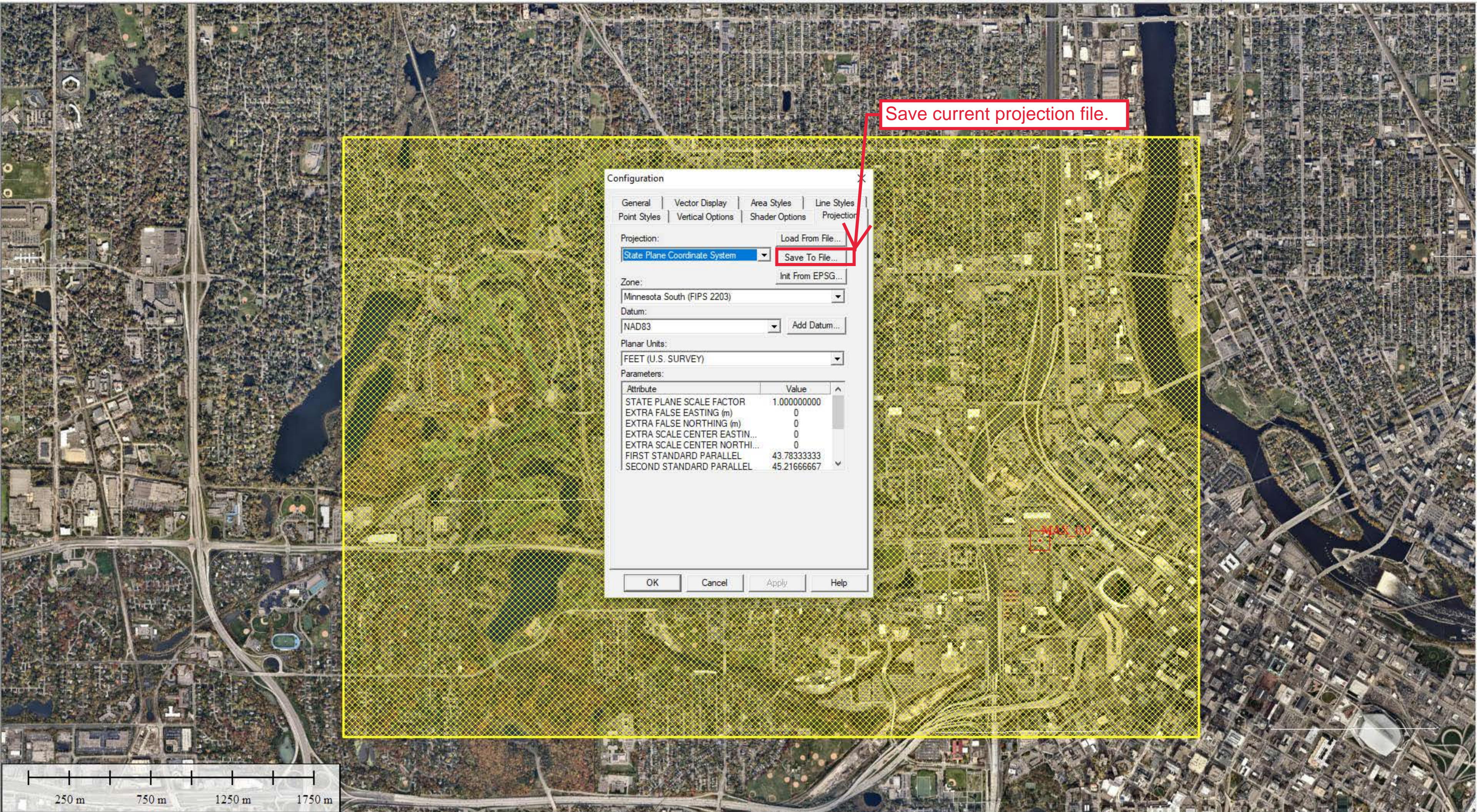
- Zoom Alt+Z
- Pan (Grab-and-Drag) Alt+G
- Measure Alt+M
- Feature Info Alt+P
- Path Profile/LOS Alt+L
- View Shed Alt+V
- Digitizer Alt+D
- Coordinate Convertor...
- Control Center... Alt+C
- Configure...
- Map Layout...

Atlas Shader 3D



Configuration

1:17820 SPCS (NAD83) - (2798517.17, 1063088.71, 278.278 m) 45° 00' 51.3598" N, 93° 19' 39.8673" W



Save current projection file.

Configuration

General | Vector Display | Area Styles | Line Styles | Point Styles | Vertical Options | Shader Options | Projection

Projection: State Plane Coordinate System Load From File... **Save To File...** Init From EPSG...

Zone: Minnesota South (FIPS 2203)

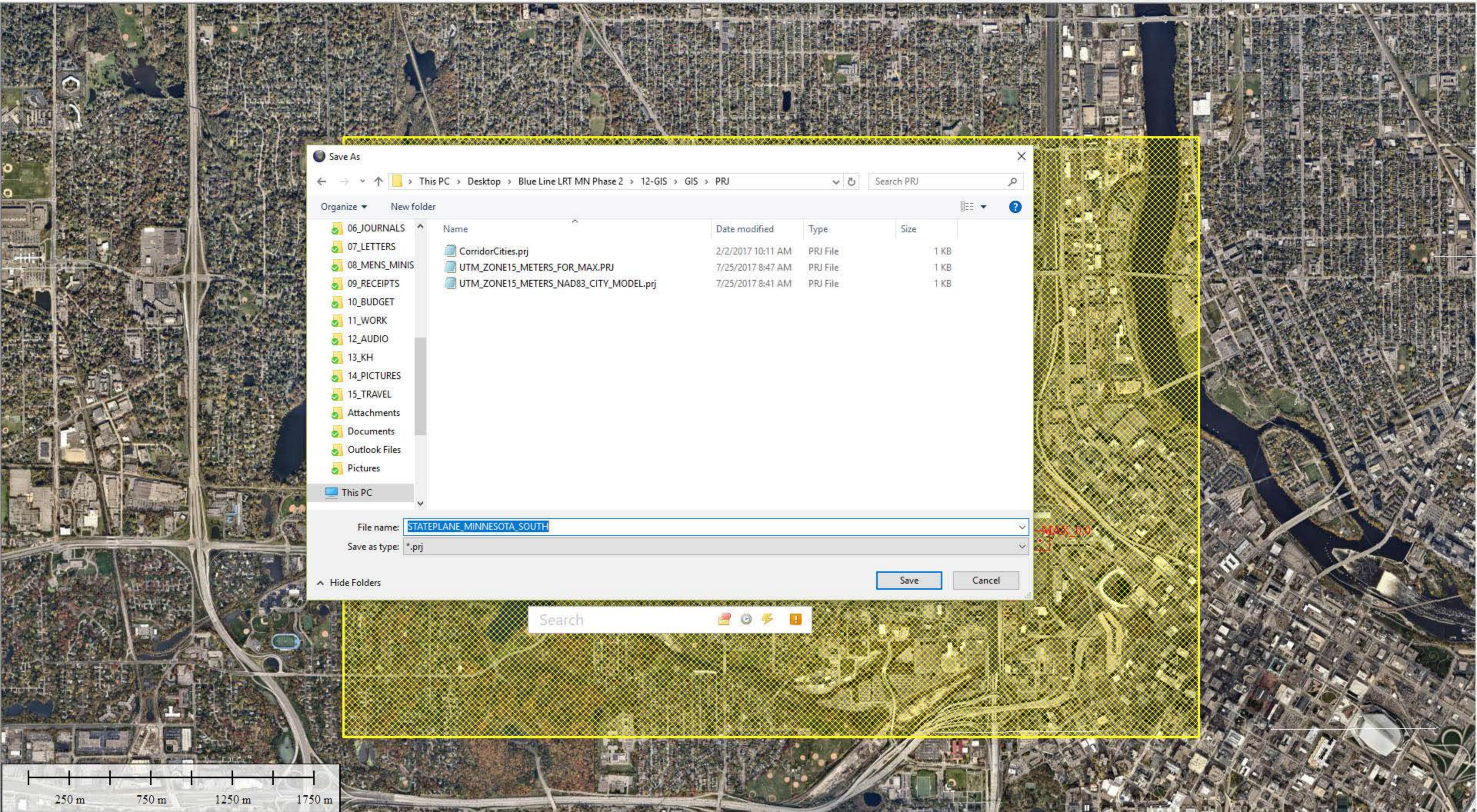
Datum: NAD83 Add Datum...

Planar Units: FEET (U.S. SURVEY)

Parameters:

Attribute	Value
STATE PLANE SCALE FACTOR	1.000000000
EXTRA FALSE EASTING (m)	0
EXTRA FALSE NORTHING (m)	0
EXTRA SCALE CENTER EASTIN...	0
EXTRA SCALE CENTER NORTHI...	0
FIRST STANDARD PARALLEL	43.78333333
SECOND STANDARD PARALLEL	45.21666667

OK Cancel Apply Help



Save As

This PC > Desktop > Blue Line LRT MN Phase 2 > 12-GIS > GIS > PRJ

Search PRJ

Organize New folder

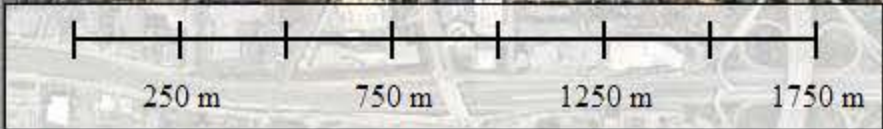
Name	Date modified	Type	Size
CorridorCities.prj	2/2/2017 10:11 AM	PRJ File	1 KB
UTM_ZONE15_METERS_FOR_MAX.PRJ	7/25/2017 8:47 AM	PRJ File	1 KB
UTM_ZONE15_METERS_NAD83_CITY_MODEL.prj	7/25/2017 8:41 AM	PRJ File	1 KB

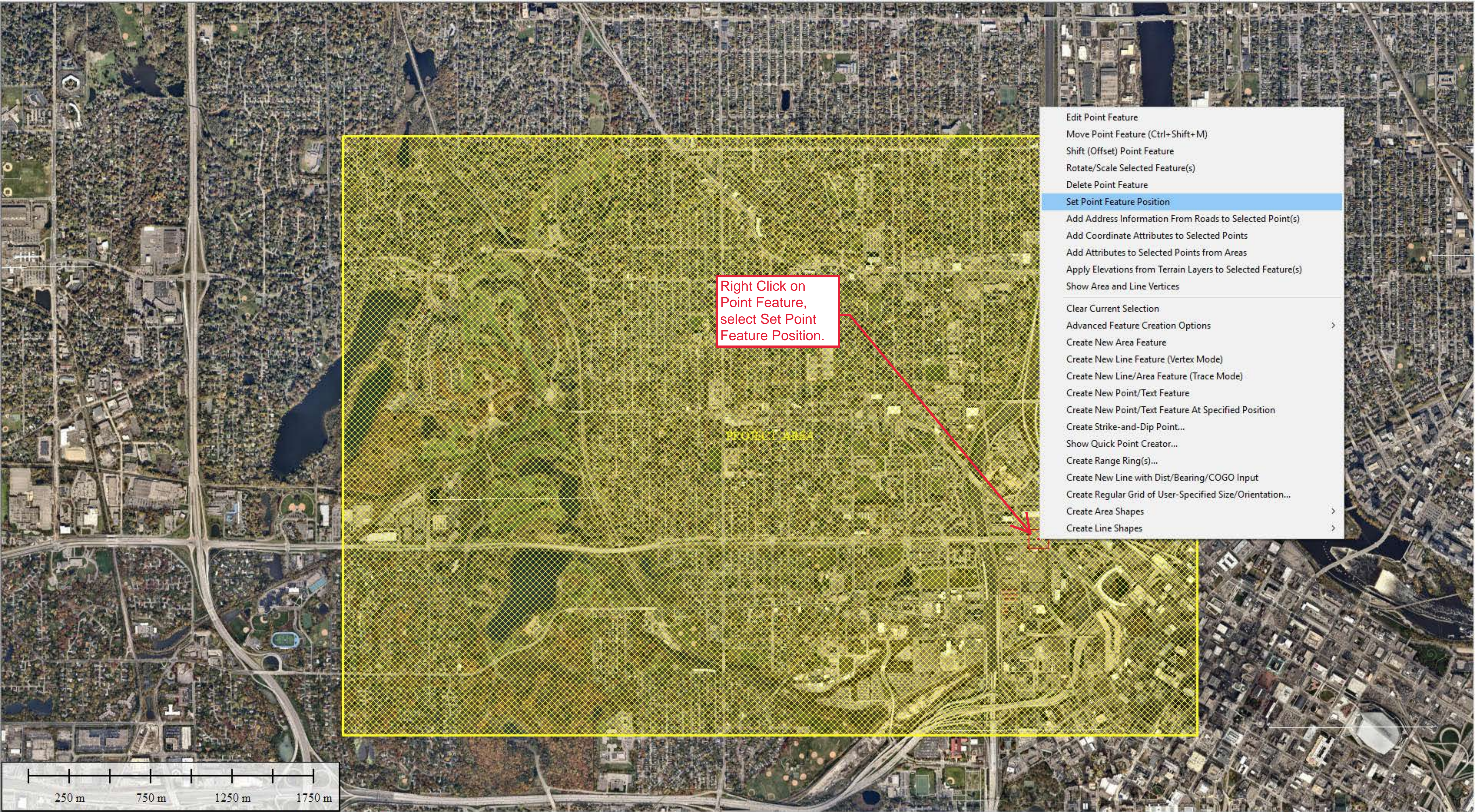
File name: STATEPLANE MINNESOTA SOUTH

Save as type: *.prj

Save Cancel

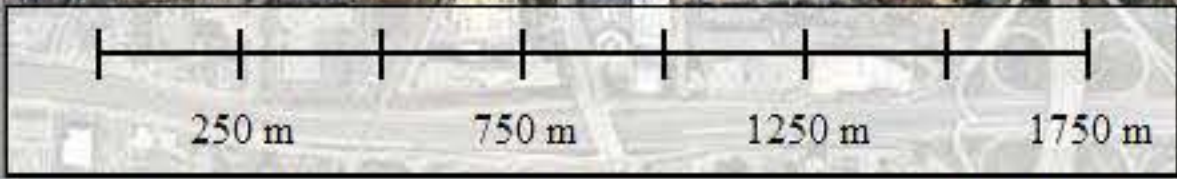
Search





Right Click on Point Feature, select Set Point Feature Position.

- Edit Point Feature
- Move Point Feature (Ctrl+Shift+M)
- Shift (Offset) Point Feature
- Rotate/Scale Selected Feature(s)
- Delete Point Feature
- Set Point Feature Position**
- Add Address Information From Roads to Selected Point(s)
- Add Coordinate Attributes to Selected Points
- Add Attributes to Selected Points from Areas
- Apply Elevations from Terrain Layers to Selected Feature(s)
- Show Area and Line Vertices
- Clear Current Selection
- Advanced Feature Creation Options >
- Create New Area Feature
- Create New Line Feature (Vertex Mode)
- Create New Line/Area Feature (Trace Mode)
- Create New Point/Text Feature
- Create New Point/Text Feature At Specified Position
- Create Strike-and-Dip Point...
- Show Quick Point Creator...
- Create Range Ring(s)...
- Create New Line with Dist/Bearing/COGO Input
- Create Regular Grid of User-Specified Size/Orientation...
- Create Area Shapes >
- Create Line Shapes >




```
STATEPLANE_MINNESOTA_SOUTH.prj - Notepad
File Edit Format View Help
PROJCS["NAD83_Minnesota_South_ft",GEOGCS["GCS_Geographic Coordinate System",DATUM
["D_NORTH_AMERICAN_1983",SPHEROID["GRS_1980",6378137,298.257222101]],PRIMEM
["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION
["Lambert_Conformal_Conic"],PARAMETER["scale_factor",1],PARAMETER
["standard_parallel_1",43.78333333333333],PARAMETER
["standard_parallel_2",45.21666666666667],PARAMETER["central_meridian",-94],PARAMETER
["latitude_of_origin",43],PARAMETER["false_easting",2624666.666666667],PARAMETER
["false_northing",328083.3333333334],UNIT["Foot_US",0.30480060960121924]]
```

AutoSave On Custom Coordinate Conv... - Saved - BRIAN PETERSON

File Home Insert Draw Page Layout Formulas Data Review View Help ACROBAT Tell me

B7 1052288.73327909

Coordinate Conversion	
False Easting	False Northing
2624666.667	328083.3333
X Offset	Y Offset
2809982.46691575	1052288.73327909
New FE	New FN
-185315.80024909	-724205.39994576

In this process we are setting up a custom projection for 3DS Max. We use an excel spreadsheet to calculate the appropriate shift for 3DS Max.

These numbers represent the point feature position for the 3DS Max origin based on the State Plane Coordinate projection



```
STATEPLANE_MINNESOTA_SOUTH.prj - Notepad
File Edit Format View Help
PROJCS["NAD83_Minnesota_South_ft",GEOGCS["GCS_Geographic Coordinate System",DATUM
["D_NORTH_AMERICAN_1983",SPHEROID["GRS_1980",6378137,298.257222101]],PRIMEM
["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION
["Lambert_Conformal_Conic"],PARAMETER["scale_factor",1],PARAMETER
["standard_parallel_1",43.78333333333333],PARAMETER
["standard_parallel_2",45.21666666666667],PARAMETER["central_meridian",-94],PARAMETER
["latitude_of_origin",43],PARAMETER["false_easting",185315.80024909],PARAMETER
["false_northing",724205.39994576],UNIT["Foot_US",0.30480060960121924]]
```

We plug in the new values and save this text document as a custom projection file that will shift exported terrain data to the origin of 3DS Max.

AutoSave On Custom Coordinate Conv... - Saved - BRIAN PETERSON

File Home Insert Draw Page Layout Formulas Data Review View Help ACROBAT Tell me

Clipboard Font Alignment Number Styles Cells Editing

B9 =SUM(B5)-(B7)

Coordinate Conversion	
False Easting	False Northing
2624666.667	328083.3333
X Offset	Y Offset
2809982.46691575	1052288.73327909
New FE	New FN
-185315.80024909	-724205.39994576





```

STATEPLANE_MINNESOTA_SOUTH.prj - Notepad
File Edit Format View Help
PROJCS["NAD83_Minnesota_South_ft",GEOGCS["GCS_Geographic Coordinate System",DATUM
["D_NORTH_AMERICAN_1983",SPHEROID["GRS_1980",6378137,298.257222101]],PRIMEM
["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION
["Lambert_Conformal_Conic"],PARAMETER["scale_factor",1],PARAMETER
["standard_parallel_1",43.78333333333333],PARAMETER
["standard_parallel_2",45.21666666666667],PARAMETER["central_meridian",-94],PARAMETER
["latitude_of_origin",43],PARAMETER["false_easting",-185315.80024909],PARAMETER
["false_northing",-724205.39994576],UNIT["Foot_US",0.30480060960121924]]

```

AutoSave On Custom Coordinate Conv... - Saved - BRIAN PETERSON

File Home Insert Draw Page Layout Formulas Data Review View Help ACROBAT Tell me

Clipboard Font Alignment Number Styles Cells Editing

B9 =SUM(B5)-(B7)

Conversion	
328083.3333	
288.73327909	
205.39994576	

Save As

Desktop > Blue Line LRT MN Phase 2 > 12-GIS > GIS > PRJ

Name	Date modified	Type	Size
CorridorCities.prj	2/2/2017 10:11 AM	PRJ File	
STATEPLANE_MINNESOTA_SOUTH.prj	2/9/2018 4:05 PM	PRJ File	
UTM_ZONE15_METERS_FOR_MAX.PRJ	7/25/2017 8:47 AM	PRJ File	
UTM_ZONE15_METERS_NAD83_CITY_MODEL.prj	7/25/2017 8:41 AM	PRJ File	

File name: STATEPLANE_MINNESOTA_SOUTH_MAX,0,0.prj

Save as type: All Files (*.*)

Encoding: ANSI

Save Cancel

Select Location

Global Projection (State Plane Coordinate Sys) OK Cancel

X Coordinate: 2809982.46691575

Y Coordinate: 1052288.73327909

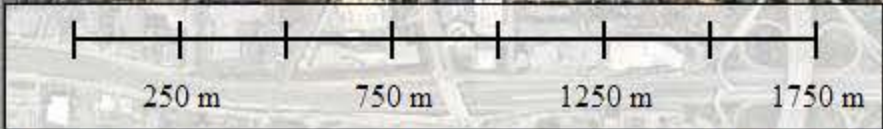
Geographic Coordinates (Latitude/Longitude)

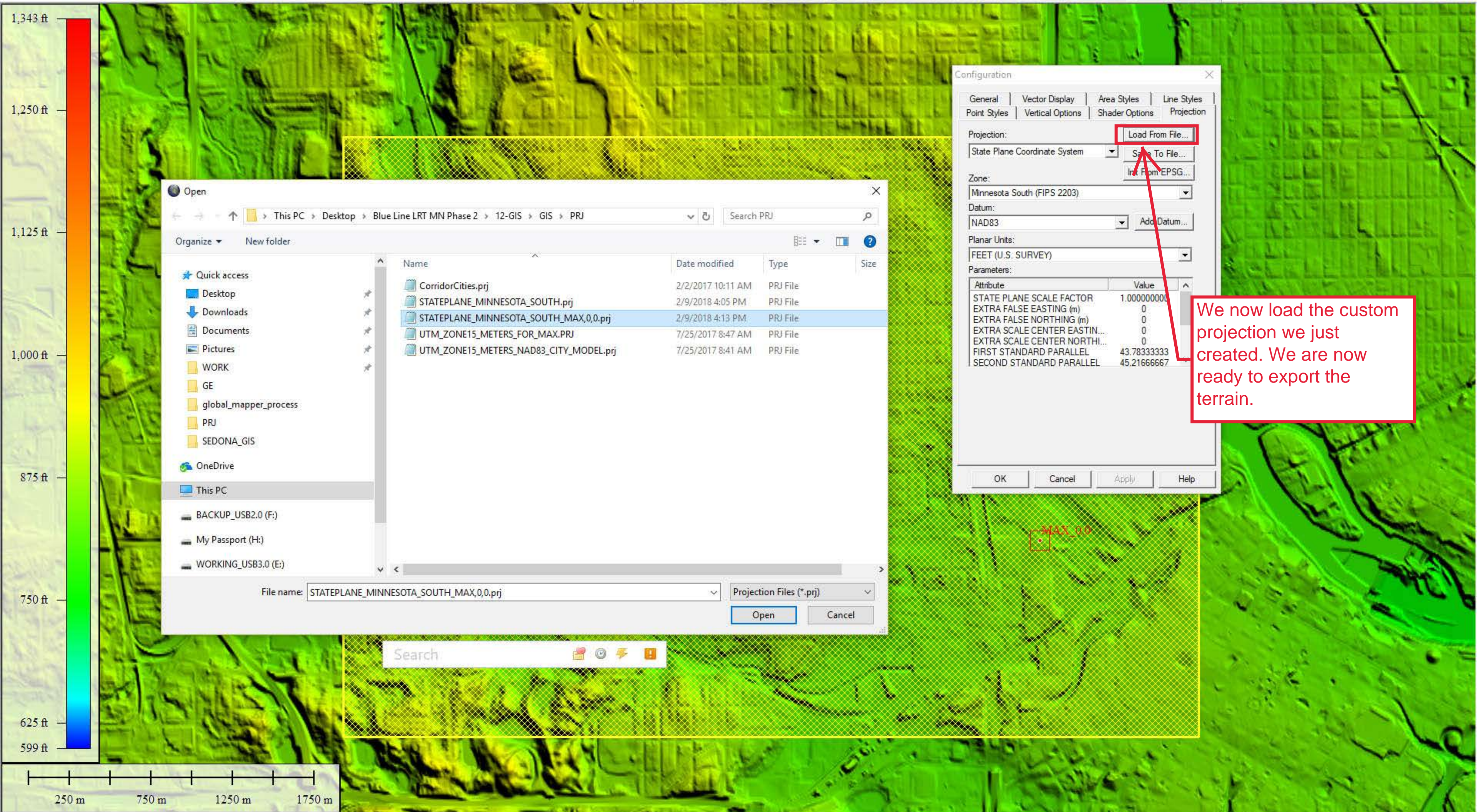
Latitude: 44° 59' 3.7621" N

Longitude: 93° 17' 1.5867" W

MGRS (Military Grid Reference System) Coordinates

15 T VK 77628 81254





Open

This PC > Desktop > Blue Line LRT MN Phase 2 > 12-GIS > GIS > PRJ

Organize New folder

Name	Date modified	Type	Size
CorridorCities.prj	2/2/2017 10:11 AM	PRJ File	
STATEPLANE_MINNESOTA_SOUTH.prj	2/9/2018 4:05 PM	PRJ File	
STATEPLANE_MINNESOTA_SOUTH_MAX,0,0.prj	2/9/2018 4:13 PM	PRJ File	
UTM_ZONE15_METERS_FOR_MAX.PRJ	7/25/2017 8:47 AM	PRJ File	
UTM_ZONE15_METERS_NAD83_CITY_MODEL.prj	7/25/2017 8:41 AM	PRJ File	

File name: STATEPLANE_MINNESOTA_SOUTH_MAX,0,0.prj

Projection Files (*.prj)

Open Cancel

Configuration

General | Vector Display | Area Styles | Line Styles | Point Styles | Vertical Options | Shader Options | Projection

Projection: Load From File...
 State Plane Coordinate System Save To File...
 Init From EPSG...

Zone: Minnesota South (FIPS 2203)

Datum: NAD83 Add Datum...

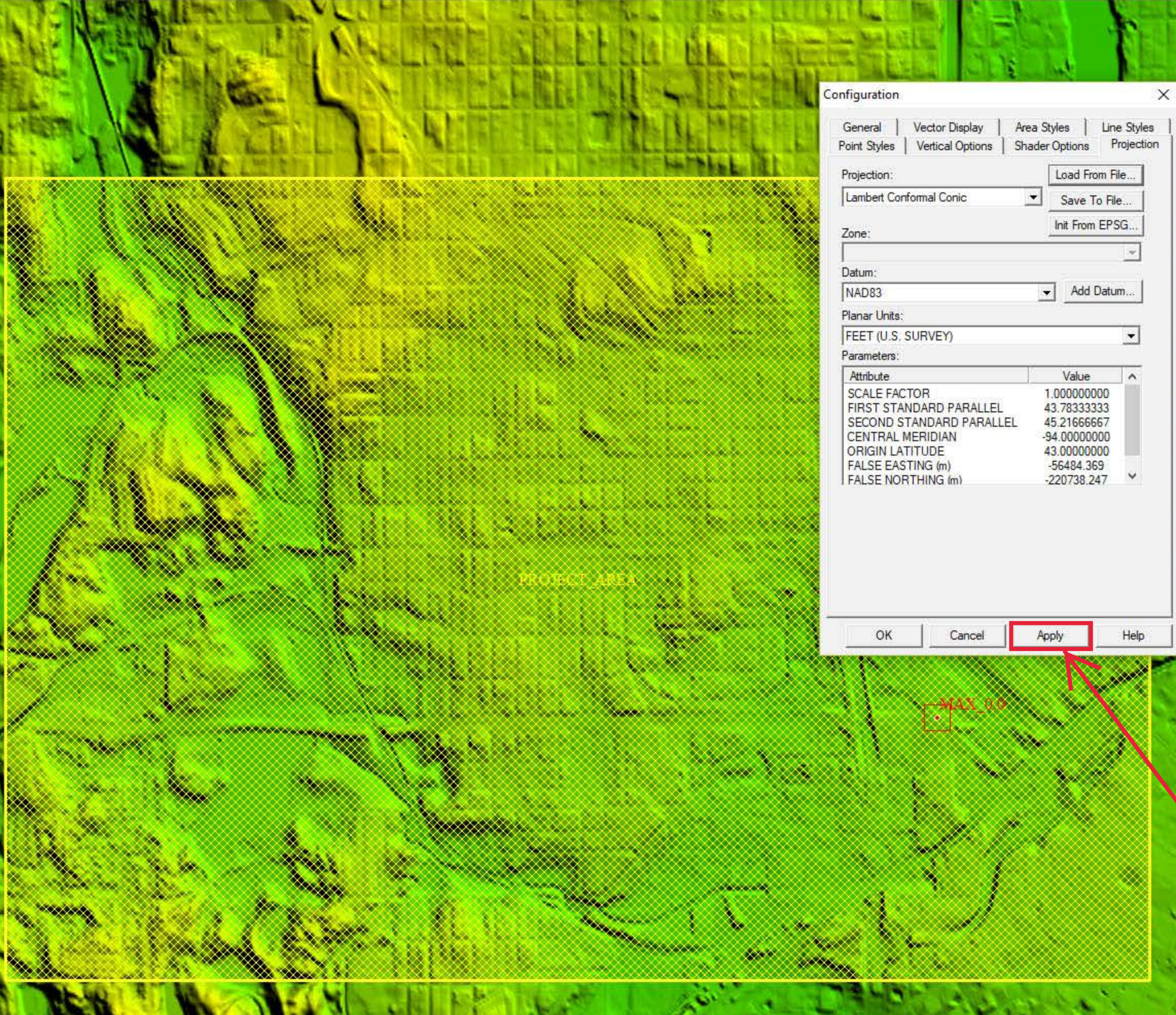
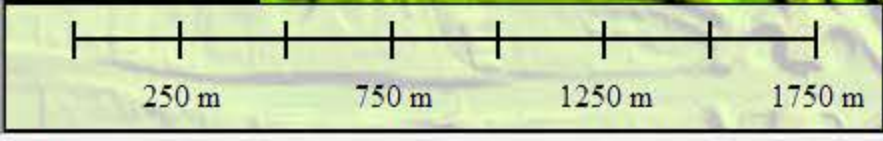
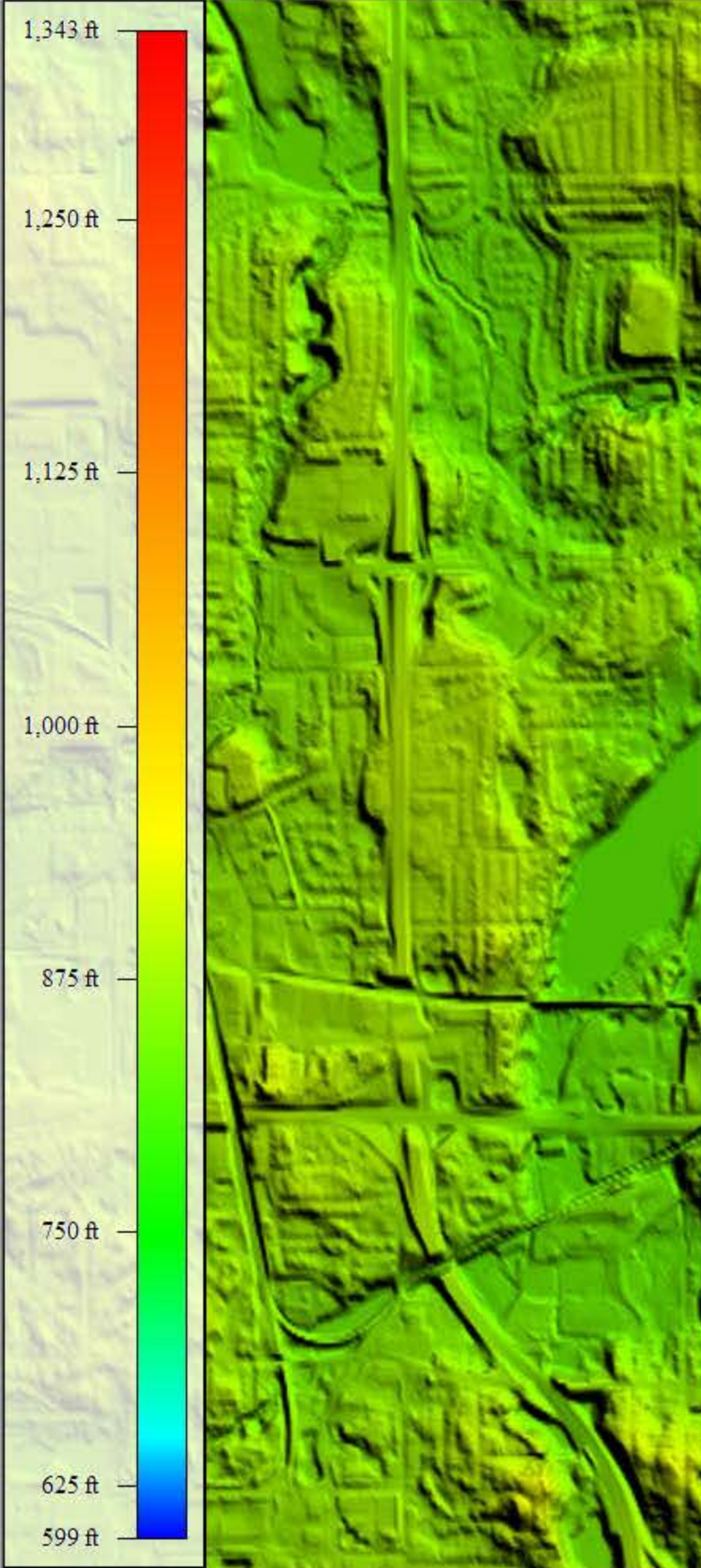
Planar Units: FEET (U.S. SURVEY)

Parameters:

Attribute	Value
STATE PLANE SCALE FACTOR	1.000000000
EXTRA FALSE EASTING (m)	0
EXTRA FALSE NORTHING (m)	0
EXTRA SCALE CENTER EASTING...	0
EXTRA SCALE CENTER NORTHING...	0
FIRST STANDARD PARALLEL	43.78333333
SECOND STANDARD PARALLEL	45.21666667

OK Cancel Apply Help

We now load the custom projection we just created. We are now ready to export the terrain.



Configuration

General | Vector Display | Area Styles | Line Styles | Point Styles | Vertical Options | Shader Options | Projection

Projection:
Lambert Conformal Conic

Zone:

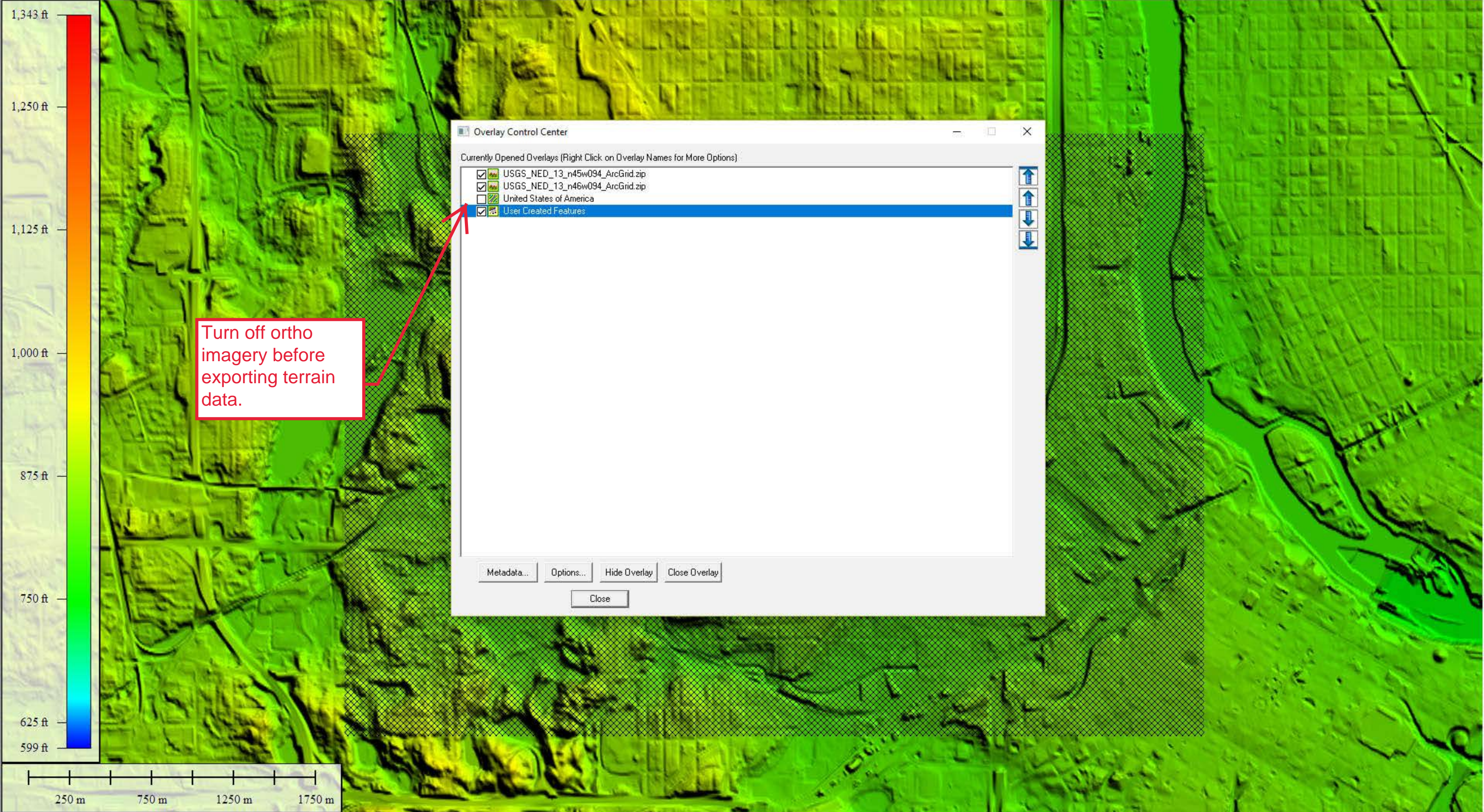
Datum: NAD83

Planar Units: FEET (U.S. SURVEY)

Parameters:

Attribute	Value
SCALE FACTOR	1.00000000
FIRST STANDARD PARALLEL	43.78333333
SECOND STANDARD PARALLEL	45.21666667
CENTRAL MERIDIAN	-94.00000000
ORIGIN LATITUDE	43.00000000
FALSE EASTING (m)	-56484.369
FALSE NORTHING (m)	-220738.247

Hit Apply.



Turn off ortho imagery before exporting terrain data.

Overlay Control Center

Currently Opened Overlays (Right Click on Overlay Names for More Options)

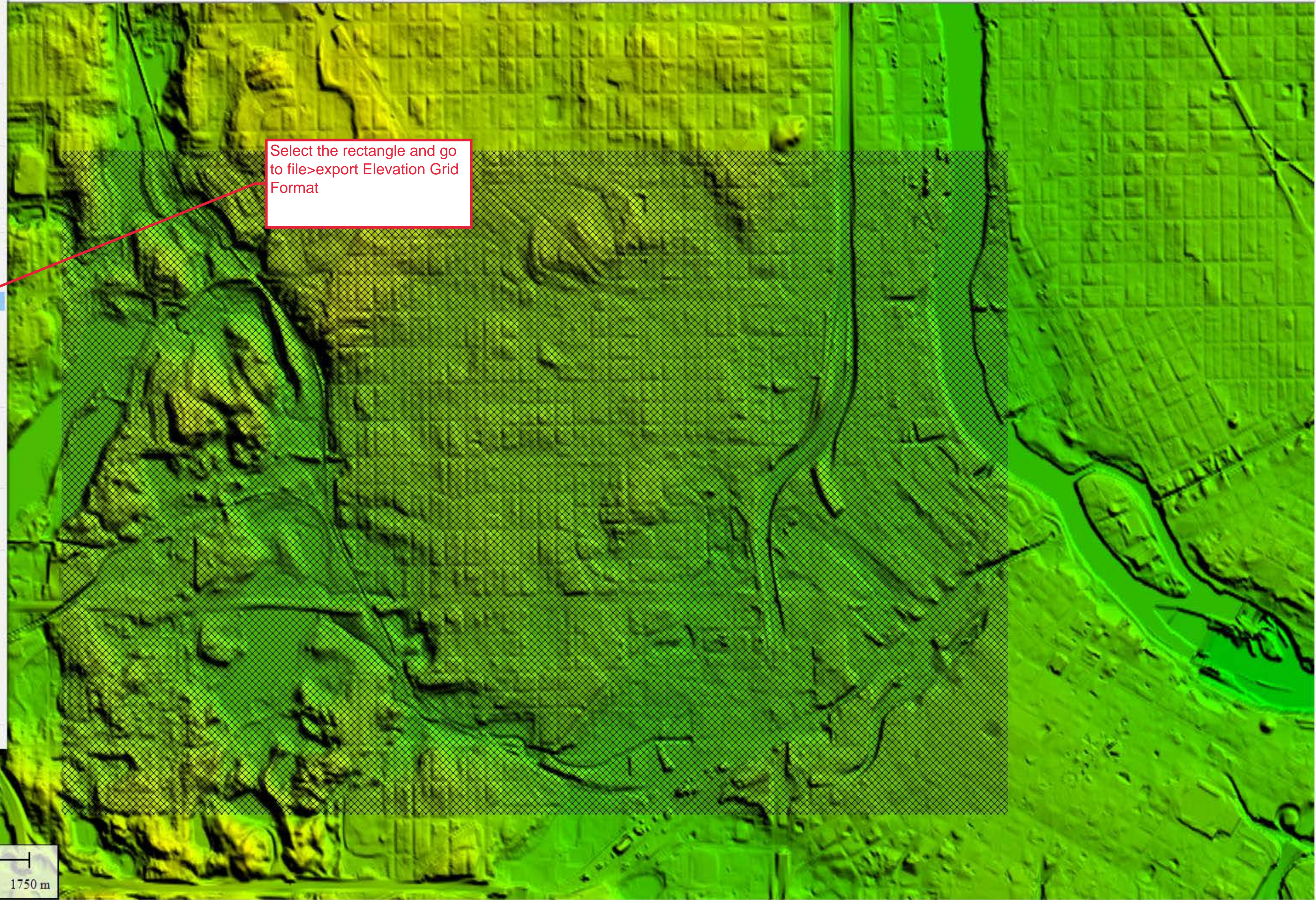
- USGS_NED_13_n45w094_ArcGrid.zip
- USGS_NED_13_n46w094_ArcGrid.zip
- United States of America
- User Created Features

Metadata... Options... Hide Overlay Close Overlay

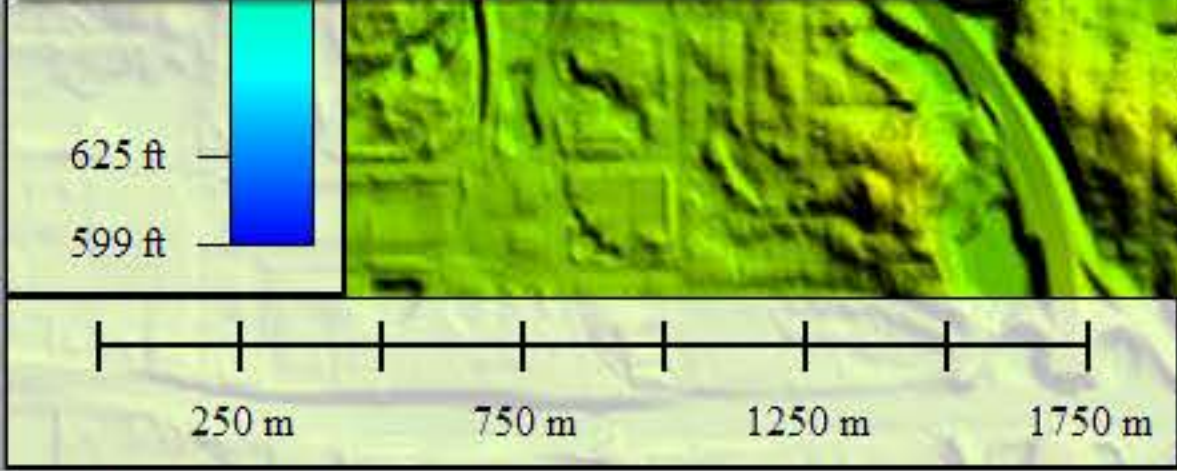
Close

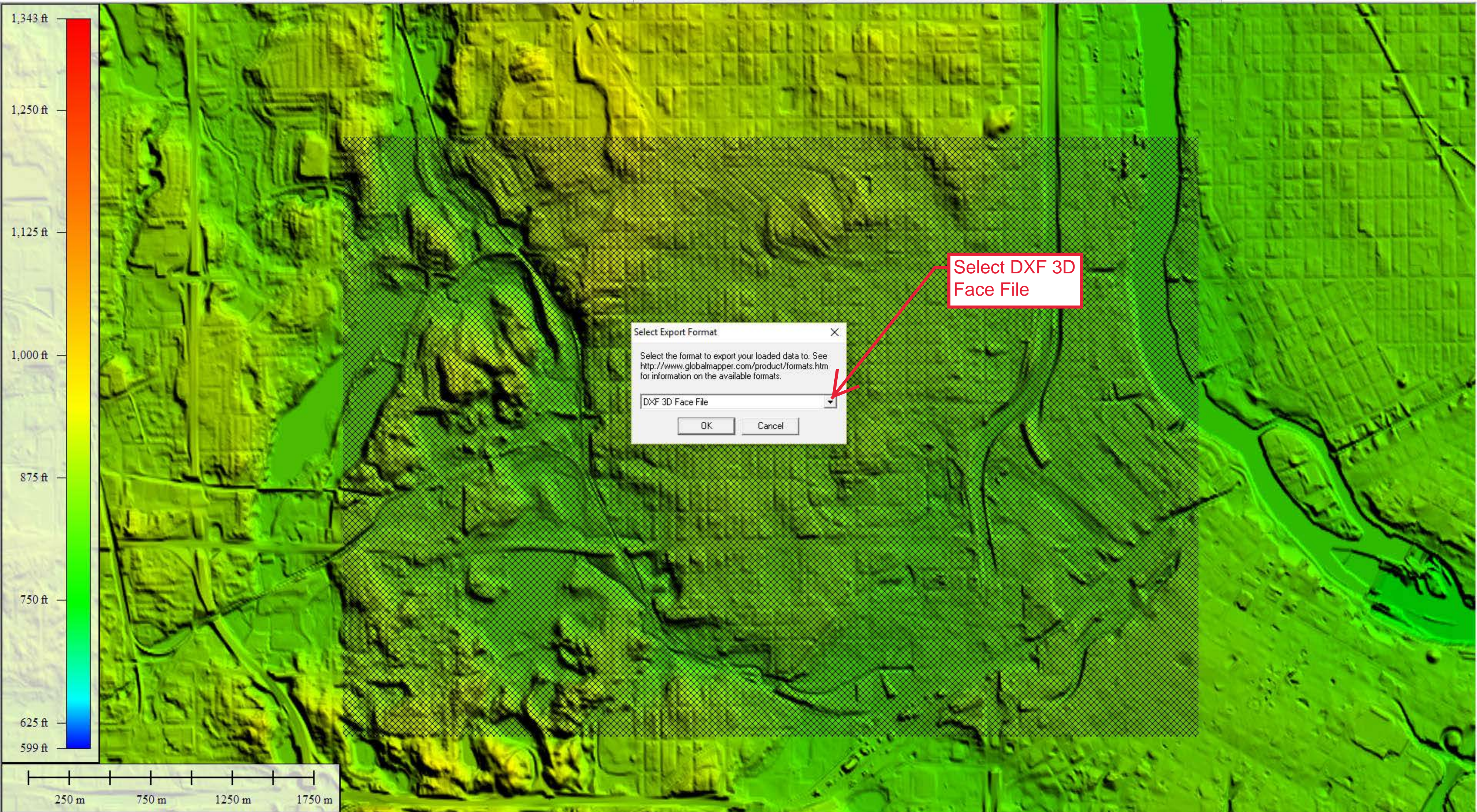


- Open Data File(s)... Ctrl+O
- Open Generic ASCII Text File(s)...
- Open All Files in a Directory Tree...
- Open ECW File from the Web...
- Open Data File at Fixed Screen Location...
- Unload All... Ctrl+U
- Create New Map Catalog...
- Find Data Online...
- Download Online Imagery/Topo/Terrain Maps...
- Load Workspace... Ctrl+W
- Save Workspace... Ctrl+S
- Save Workspace As...
- Run Script...
- Capture Screen Contents to Image... Shift+C
- Export Global Mapper Package File...
- Export PDF File...
- Export Elevation Grid Format...
- Export Raster/Image Format...
- Export Vector Format...
- Export Web Format...
- Batch Convert/Reproject...
- Create S-63 User Permit File...
- Combine Terrain Layers...
- Generate Contours...
- Generate Watershed...
- Rectify (Georeference) Imagery...
- Print... Ctrl+P
- Print Preview...
- Print Setup...
- 1 USGS_NED_13_n46w094_ArcGrid.zip
- 2 USGS_NED_13_n45w094_ArcGrid.zip
- 3 H:\KH\SEDONA_GIS\SEDONA.gmw
- 4 H:\KH\SEDONA_GIS\n35w112.zip
- 5 H:\KH\SEDONA_GIS\GE\GE_4.jpg
- 6 H:\KH\SEDONA_GIS\GE\GE_3.jpg
- 7 H:\KH\SEDONA_GIS\GE\GE_2.jpg
- 8 H:\KH\SEDONA_GIS\GE\GE_1.jpg
- 9 Sedona2Ortho REDUCED copy.tif
- Exit Alt+X



Select the rectangle and go to file>export Elevation Grid Format





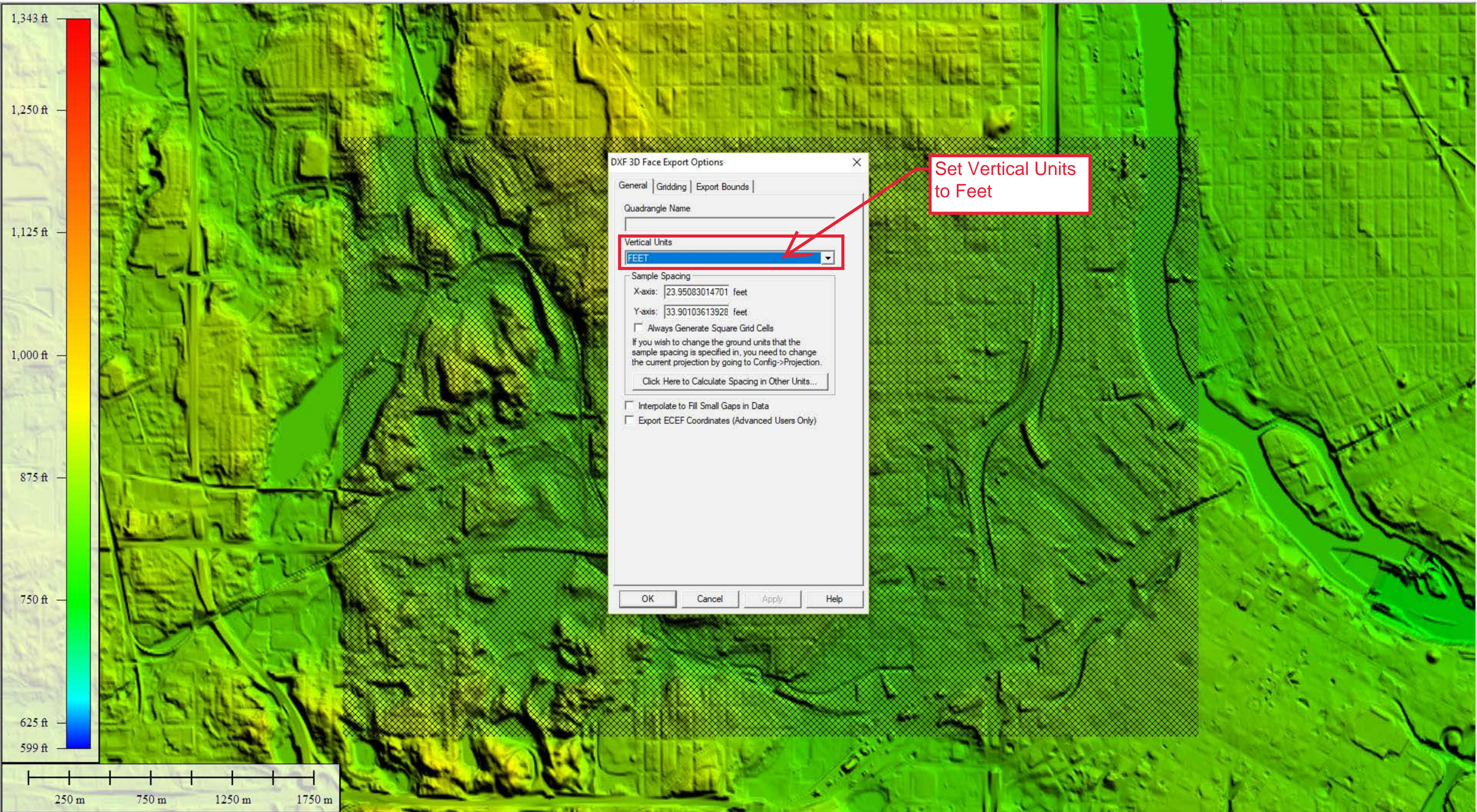
Select Export Format

Select the format to export your loaded data to. See <http://www.globalmapper.com/product/formats.htm> for information on the available formats.

DXF 3D Face File

OK Cancel

Select DXF 3D Face File



DXF 3D Face Export Options

General | Gridding | Export Bounds

Quadrangle Name

Vertical Units
FEET

Sample Spacing
X-axis: 23.95083014701 feet
Y-axis: 33.90103613928 feet

Always Generate Square Grid Cells

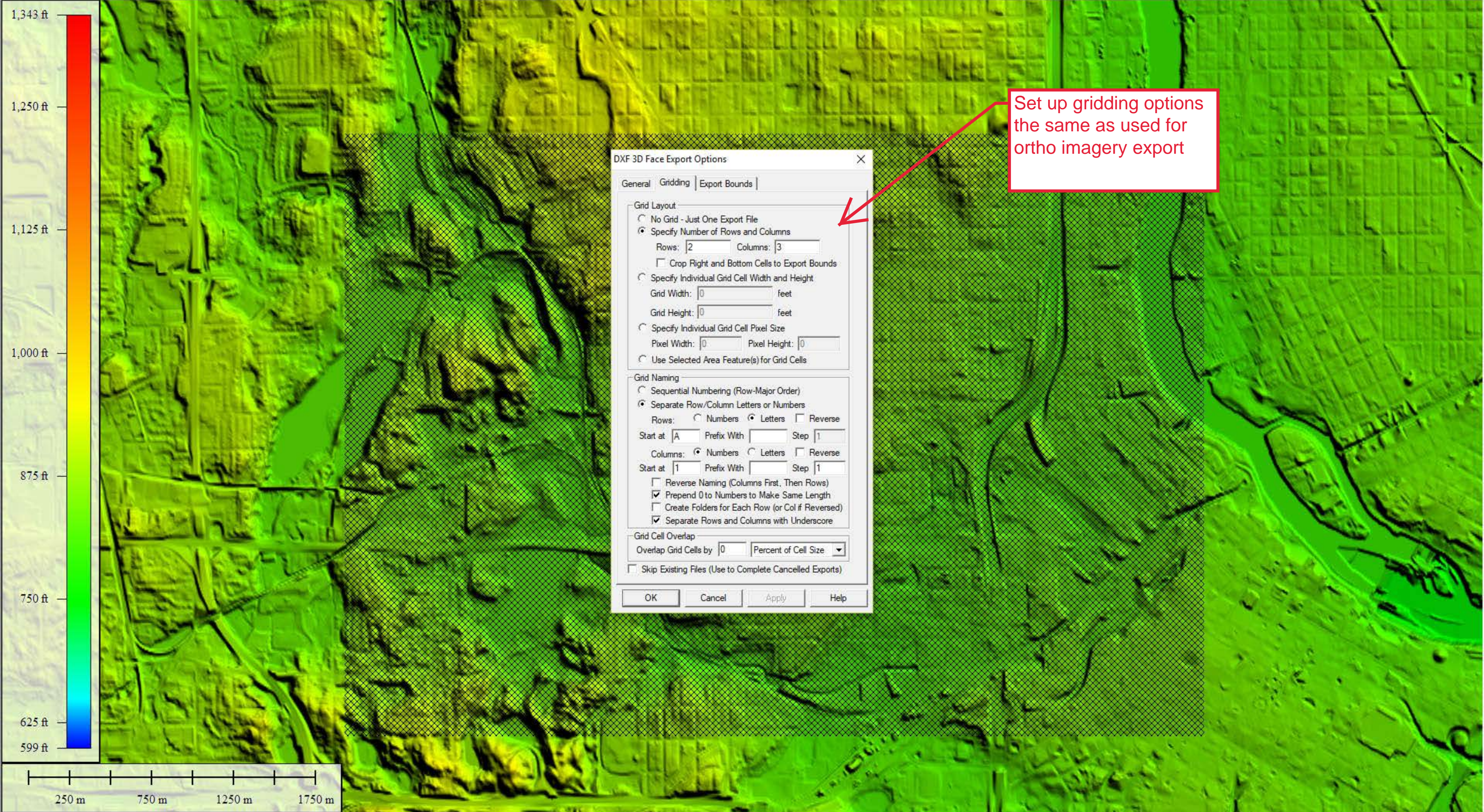
If you wish to change the ground units that the sample spacing is specified in, you need to change the current projection by going to Config->Projection.

[Click Here to Calculate Spacing in Other Units...](#)

Interpolate to Fill Small Gaps in Data
 Export ECEF Coordinates (Advanced Users Only)

OK Cancel Apply Help

Set Vertical Units to Feet



DXF 3D Face Export Options

General | **Gridding** | Export Bounds

Grid Layout:

- No Grid - Just One Export File
- Specify Number of Rows and Columns
 - Rows: Columns:
 - Crop Right and Bottom Cells to Export Bounds
- Specify Individual Grid Cell Width and Height
 - Grid Width: feet
 - Grid Height: feet
- Specify Individual Grid Cell Pixel Size
 - Pixel Width: Pixel Height:
- Use Selected Area Feature(s) for Grid Cells

Grid Naming:

- Sequential Numbering (Row-Major Order)
- Separate Row/Column Letters or Numbers
 - Rows: Numbers Letters Reverse
 - Start at Prefix With Step
 - Columns: Numbers Letters Reverse
 - Start at Prefix With Step
 - Reverse Naming (Columns First, Then Rows)
 - Prepend 0 to Numbers to Make Same Length
 - Create Folders for Each Row (or Col if Reversed)
 - Separate Rows and Columns with Underscore

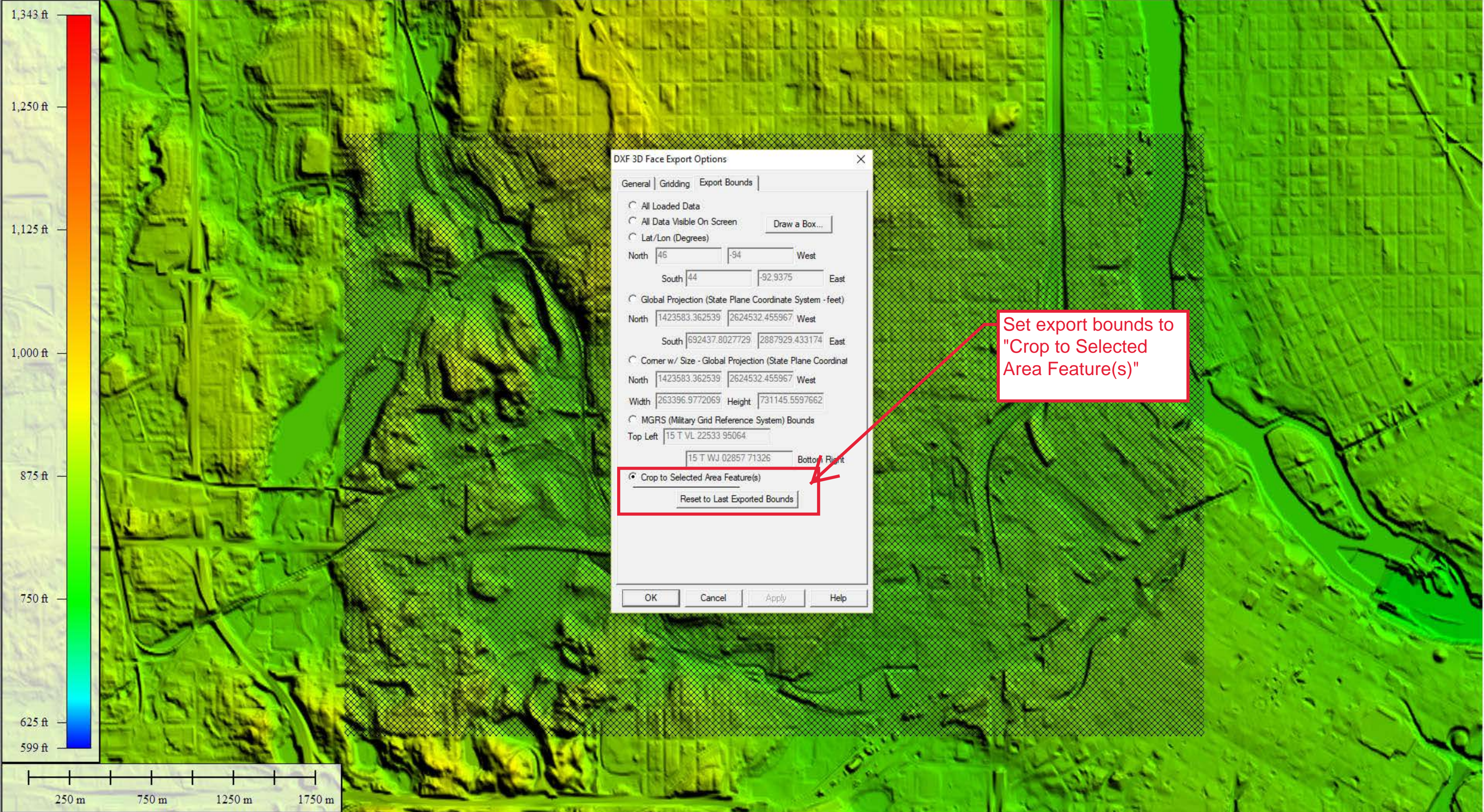
Grid Cell Overlap:

Overlap Grid Cells by

Skip Existing Files (Use to Complete Cancelled Exports)

OK Cancel Apply Help

Set up gridding options the same as used for ortho imagery export



DXF 3D Face Export Options

General | Gridding | **Export Bounds**

All Loaded Data
 All Data Visible On Screen Draw a Box...
 Lat/Lon (Degrees)

North West
South East

Global Projection (State Plane Coordinate System - feet)

North West
South East

Corner w/ Size - Global Projection (State Plane Coordinat)

North West
Width Height

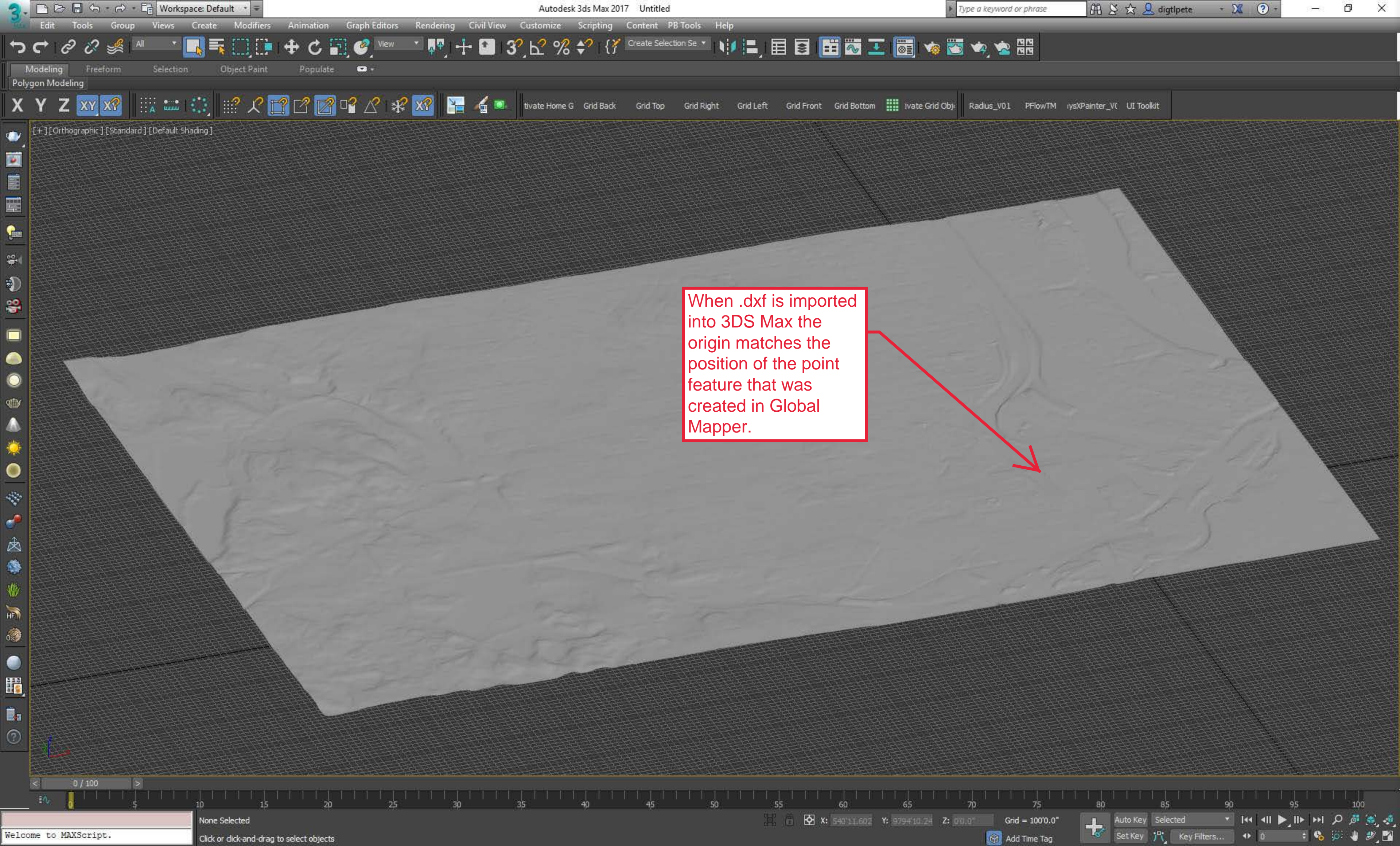
MGRS (Military Grid Reference System) Bounds

Top Left
 Bottom Right

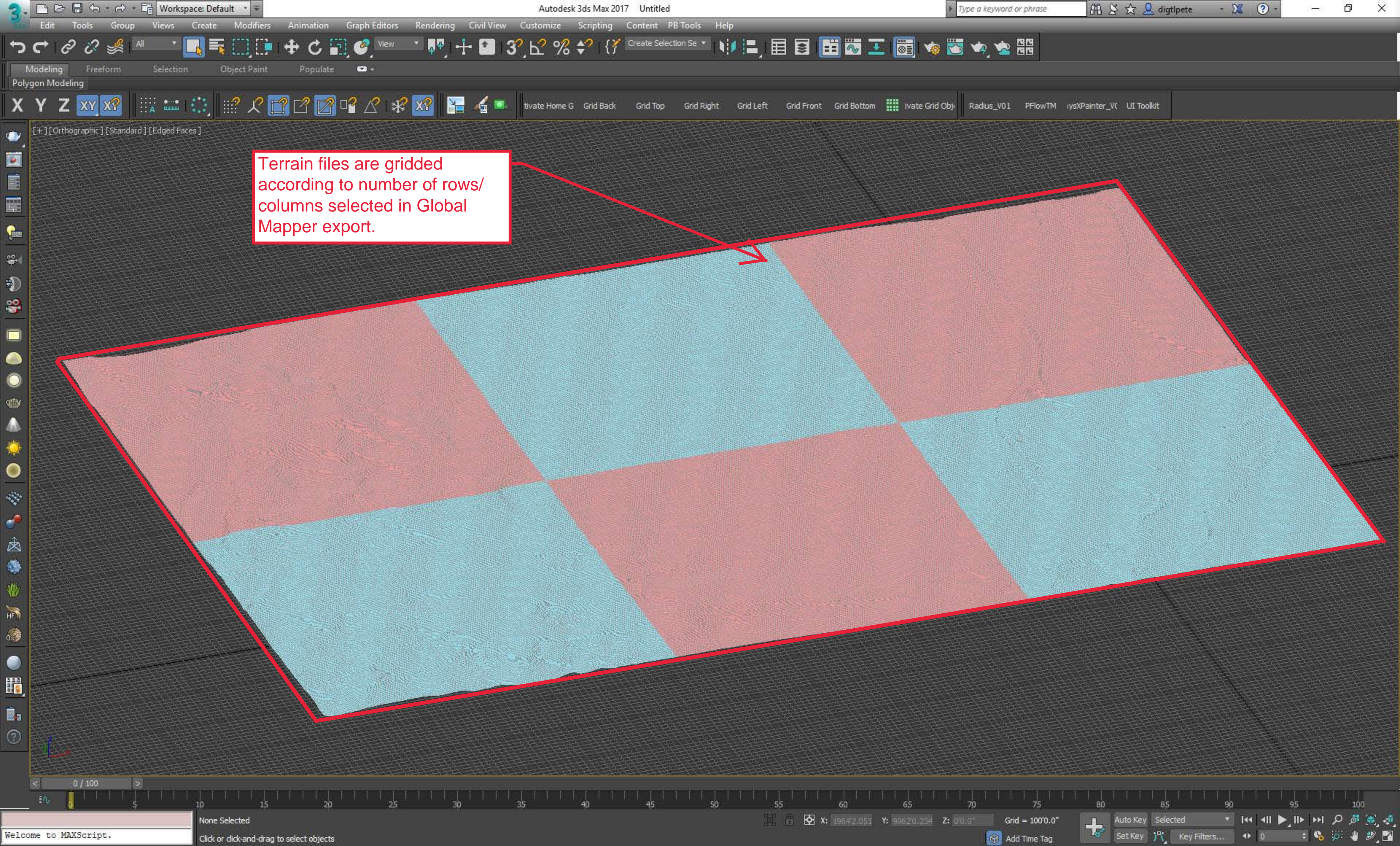
Crop to Selected Area Feature(s)
Reset to Last Exported Bounds

OK Cancel Apply Help

Set export bounds to "Crop to Selected Area Feature(s)"



When .dxf is imported into 3DS Max the origin matches the position of the point feature that was created in Global Mapper.



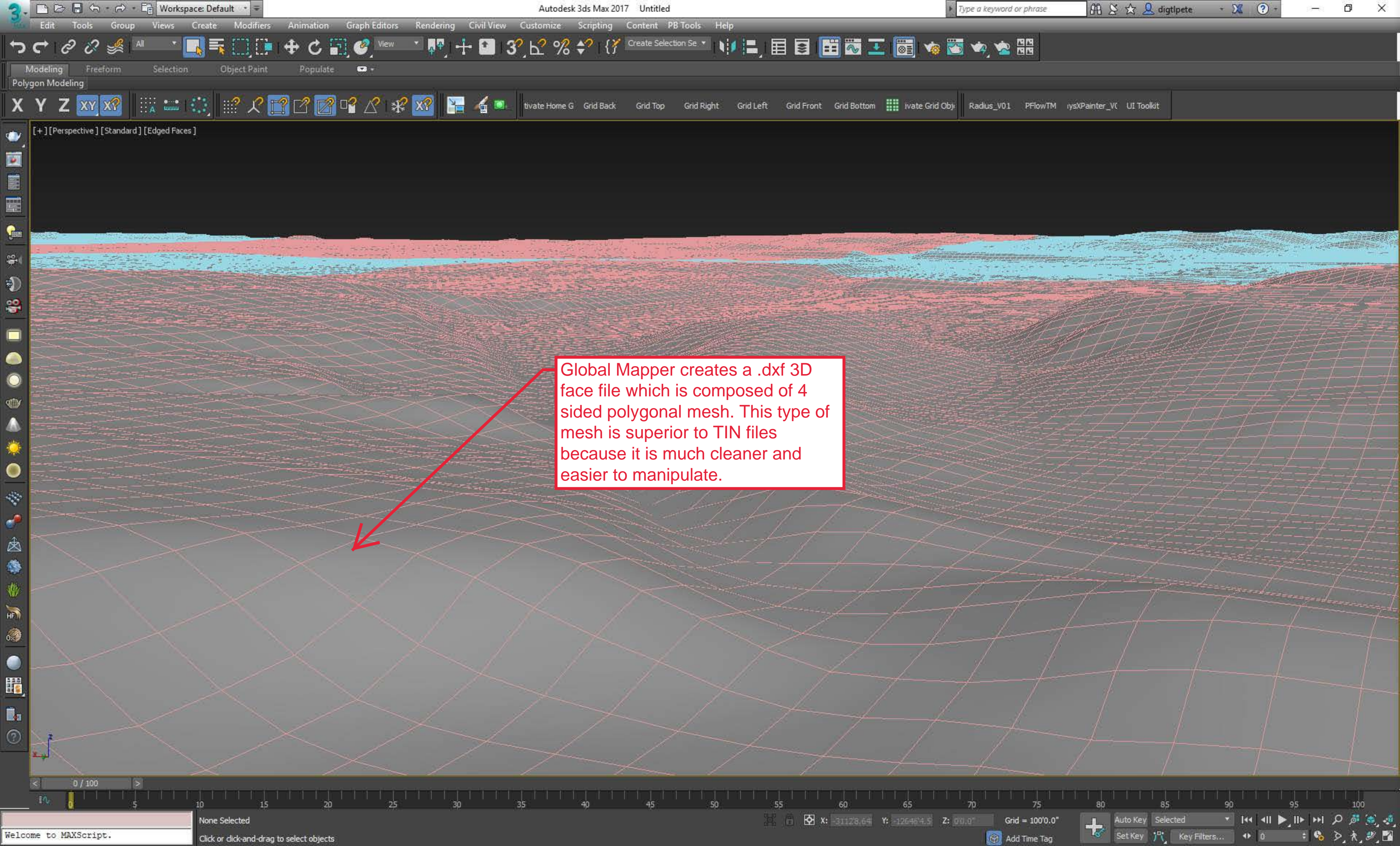
Terrain files are gridded according to number of rows/columns selected in Global Mapper export.

Welcome to MAXScript.

None Selected
Click or click-and-drag to select objects

X: 19642.051 Y: 89620.234 Z: 00.00
Grid = 100'0.0"

Auto Key Selected
Set Key Key Filters...



Global Mapper creates a .dxf 3D face file which is composed of 4 sided polygonal mesh. This type of mesh is superior to TIN files because it is much cleaner and easier to manipulate.



Welcome to MAXScript.

None Selected
Click or click-and-drag to select objects

X: -31128.64 Y: -126464.5 Z: 00.00 Grid = 100'0.0"
Add Time Tag Auto Key Selected Set Key Key Filters...