# Viewing and using US Topo GeoPDF<sup>®</sup> files within the Mac OS<sup>®</sup> environment

#### Prerequisites

Adobe<sup>®</sup> Reader<sup>®</sup> 9.x or Adobe Reader X software is required and may be downloaded for free at <u>http://get.adobe.com/reader/</u>. Adobe Acrobat<sup>®</sup> 9.x or Adobe Acrobat X software may be used in lieu of Adobe Reader, if available.

## Opening the map file

When first opening a US Topo on a Mac<sup>®</sup> computer, you will receive a warning with a brief description telling you this is a GeoPDF, see Figures 1 and 2, and asking if you want to download and install the free plug-in from TerraGo Technologies. Click on "No," TerraGo Technologies currently does not support the Mac OS.

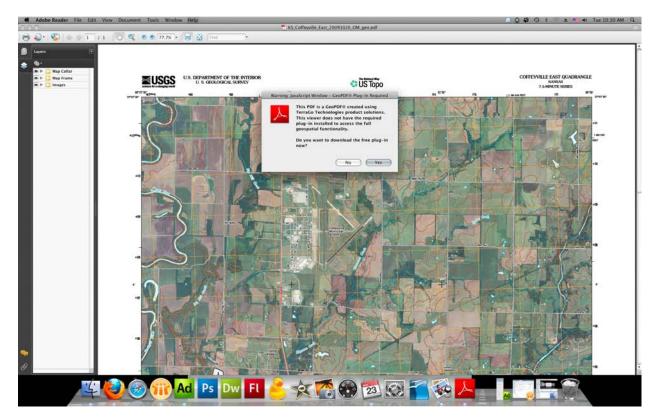


Figure 1 – US Topo initial view within Adobe Reader 9.4, with warning panel.

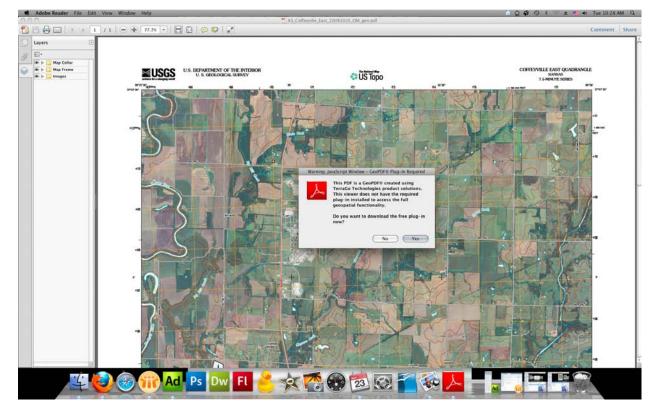


Figure 2 – US Topo initial view within Adobe Reader X, with warning panel.

## Using the Adobe "Geospatial Location Tool"

To measure coordinate information, launch the "Geospatial Location Tool." If using Adobe Reader 9.x or Acrobat 9.x select "Tools" from the menu bar, and then select "Analysis," and then select the "Geospatial Location Tool." If using Adobe Reader X or Acrobat X, select "Edit" from the menu bar, and then select "Analysis," and then select the "Geospatial Location Tool." See Figures 3 and 4.

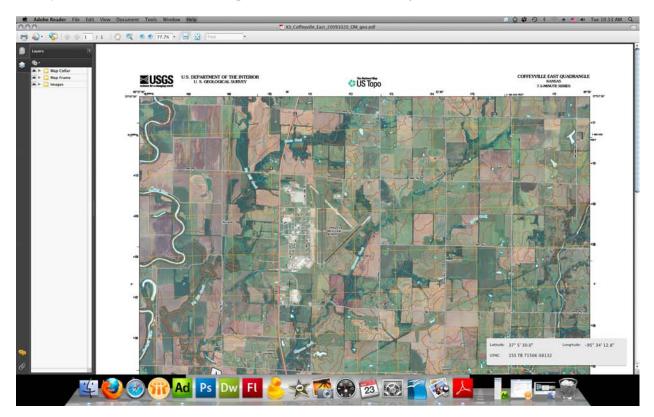


Figure 3 – US Topo view within Adobe Reader 9.4, after "Geospatial Location Tool" has been launched.

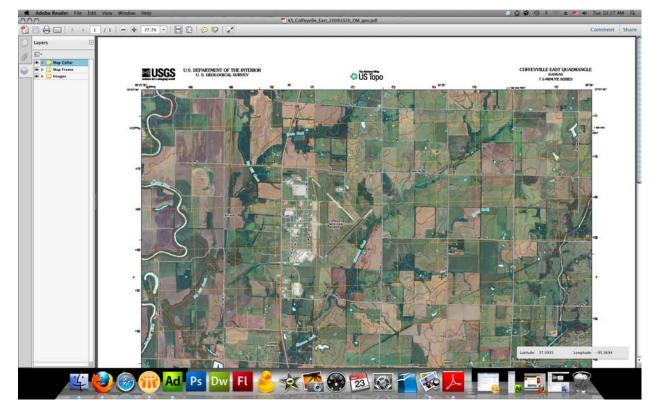


Figure 4 – US Topo view within Adobe Reader X, after "Geospatial Location Tool" has been launched.

#### Modifying the Geospatial Location Tool Preferences

Also one can modify the "Geospatial Location Tool" preferences to change for how the coordinate information is measured and displayed. To modify the preferences, launch the "Preference Panel," click on "Adobe Reader" in the menu and then click on "Preferences" (Cmd+K). Then select "Measuring (Geo)" from the categories listed on the left of the panel, see Figures 5 and 6. To change how the coordinate information is measured and displayed make changes in either the "Geographic Location" section or the "Latitude and Longitude Format" section, depending which version of Adobe's software you are using. Note there are also preferences that affect length and area measurements, however these tools are not currently available for use in Adobe Reader because US Topo and "Digital Map – Beta" GeoPDF files do not yet support this tool.

Preferences	
Categories:	Geospatial Measuring
Documents Full Screen General Page Display 3D & Multimedia Accessibility Acrobat.com Forms Identity International Internet JavaScript	Geographic Location         Ø Primary Display         Latitude, Longitude (map default)         Ø Additional Display         USNG (United States National Grid)         Display Value As:         Degrees, Minutes, Seconds         Use X,Y Order (Longitude, Latitude)         Measurement Settings         Ø Enable Measurement Markup         Ø Use Custom Label:         Ø Use Default Distance Unit:
Measuring (2D) Measuring (3D) Measuring (Geo) Multimedia (legacy) Multimedia Trust (legacy)	Use Default Area Unit:     Square Miles
Reading Search Security Security (Enhanced) Spelling Tracker	Snap to Content     Paths Path Endpoints Path Midpoints Path Intersections     Snap Hint Color: Sensitivity: 10     Don't Show Transparency Layer in GeoTIFF and JPEG 2000 images     Cancel OK

Figure 5 – Adobe Reader 9.4, "Preferences Panel."

Preferences	
itegories:	Geospatial Measuring
Commenting Documents Full Screen General Page Display	Measuring Line Color: Measurement Markup Settings ☑ Enable Measurement Markup ○ Use Default Label ④ Use Label:
3D & Multimedia Accessibility	Snap Settings
Forms Identity International Internet JavaScript Measuring (2D) Measuring (3D)	Snap to Content  Paths Path Endpoints Path Midpoints Path Intersections Snap Hint Color: Second Structure Sensitivity: 10 Latitude and Longitude Format Display value as: Decimal Display direction as: Signed
Measuring (Geo)	☑ Always display latitude and longitude as WGS 1984
Multimedia (legacy) Multimedia Trust (legacy) Online Services Reading Search	✓ Use default distance unit:       Miles         ✓ Use default area unit:       Square Miles         ✓ Don't show transparency layer in GeoTIFF and JPEG 2000 images
Security	(Cancel) OK

Figure 6 – Adobe Reader X, "Preferences Panel."