

Using Fugawi GPS Software

1. Connect the cable from the port in the back of your GPS unit to Com 1 on your computer
2. In Fugawi Software select **Settings, GPS**
3. Click on the **Model** tab and make sure that it is set to Garmin.
4. Close this window
5. Click on “Display GPS Track Window” Icon
6. Click on “Download from GPS” Icon
7. Select **File, USA Streets** (be sure the USA Streets CD is in the CD Drive)
8. Zoom in on area of your GPS track
9. Click on the “Distance” Icon on the left side. Use your mouse to measure distances on the map.
10. Navigate to the following Internet site: <http://ortho.gis.iastate.edu/>
11. Click on the 1:24,000 scale topographic map
12. From the map select the area of your GPS data
13. Select the smallest pixels on the left hand side than click on the map in the area of your GPS data
14. Click on Download Options. (note from the top of this page the coordinate system and the map datum)
15. Scroll on down to your pixel size in the GEOTIFF column Right Click on **Image**
16. Save Link As to the proper directory.
17. Navigate back to the home page and follow steps 11 through 16 for the Digital Orthophoto
18. Open up Fugawi program
19. Select **File, Import, DRG/ChartTiff**. Navigate to the directory of topographic map.
20. Fill in the blank with the correct information. (UTM WGS84, Zone 15, North)
21. Select the file that you downloaded and click OK
22. Select **File, Open** and select the map that you downloaded.
23. If everything worked right the GPS track should show up on top of your map.