



Saving Data from DNRGPS

Abstract

This guide outlines the steps to save data from DNRGPS to a text file and a shapefile. For shapefiles, it will cover the method to save a file directly as well as the method to save the file and add it to ArcMap. The guide assumes DNRGPS already has points loaded into its active table, possibly as the result of downloading data from a GPS unit or loading data from a text file to prepare to convert it to a shapefile.

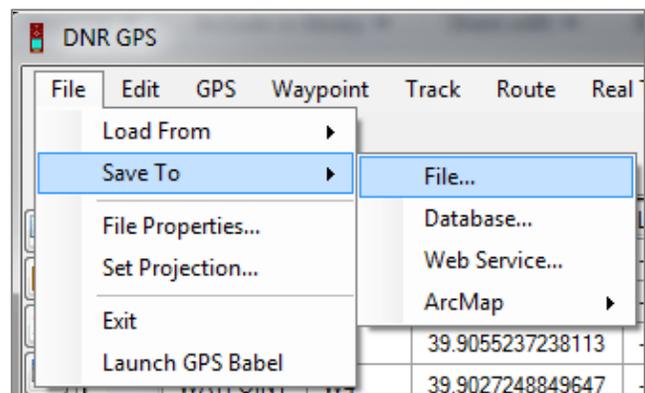
Steps: Click File → Save To → File... – navigate to a save location – set file type – name the file – click Save

Details

Saving to a File

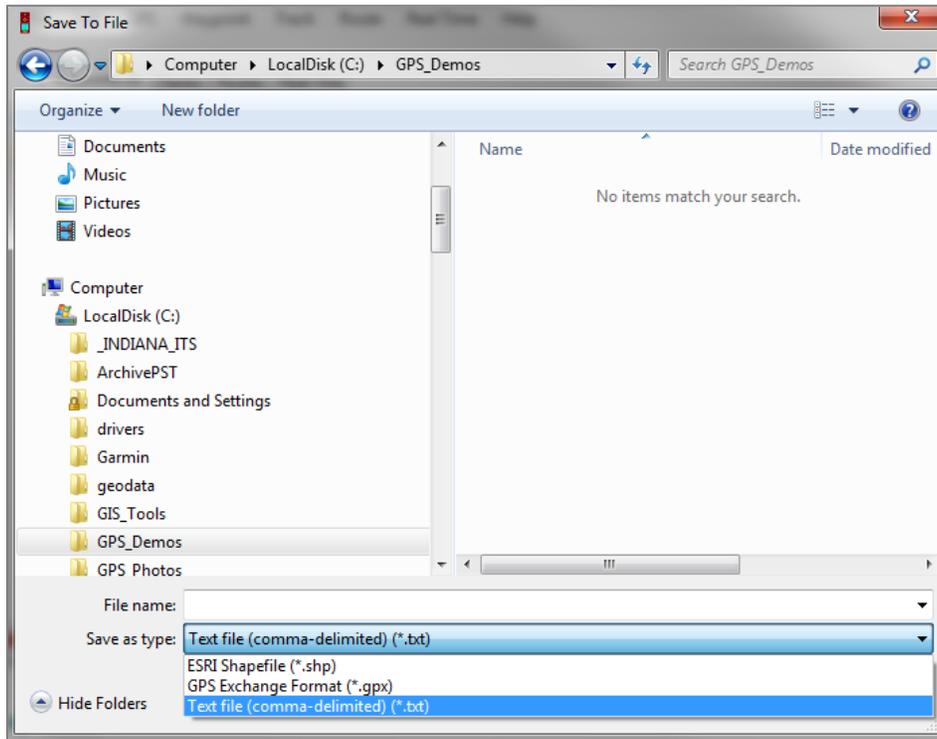
DNR GPS							
File Edit GPS Waypoint Track Route Real Time Help							
Waypoints (5) Tracks Routes Real-Time							
	type	ident	Latitude	Longitude	y_proj	x_proj	
▶	WAYPOINT	W1	39.8910672504675	-86.2768545943881	4415916.25386564	561826.1825	
	WAYPOINT	W2	39.8999227473094	-86.2886395172568	4416891.03342416	560810.7872	
	WAYPOINT	W3	39.9055237238113	-86.3071127949704	4417500.27065572	559226.7704	
	WAYPOINT	W4	39.9027248849647	-86.3289974319107	4417175.34415345	557358.4428	
	WAYPOINT	W5	39.8940270228249	-86.3438097492934	4416200.56461265	556099.3527	
*							

1. In the above screenshot, we already have data loaded in *DNRGPS*, such as from a GPS unit download.
2. **Click *File* → *Save To* → *File...***

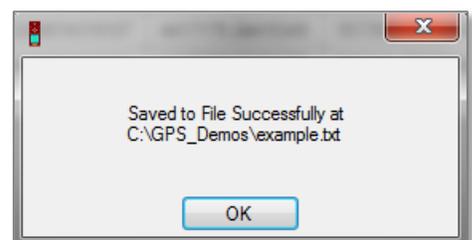
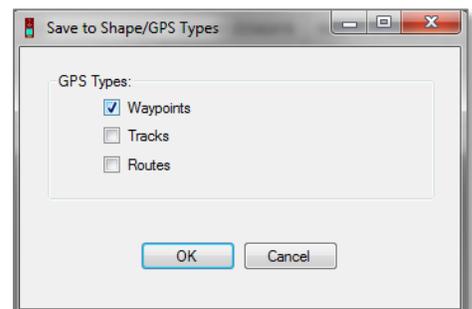




- In the *Save To File* window that appears, **navigate** to the location where you'll save the file. Typical locations may be within a customer's Toolkit folder, or some other specific project folder if not working in Toolkit.



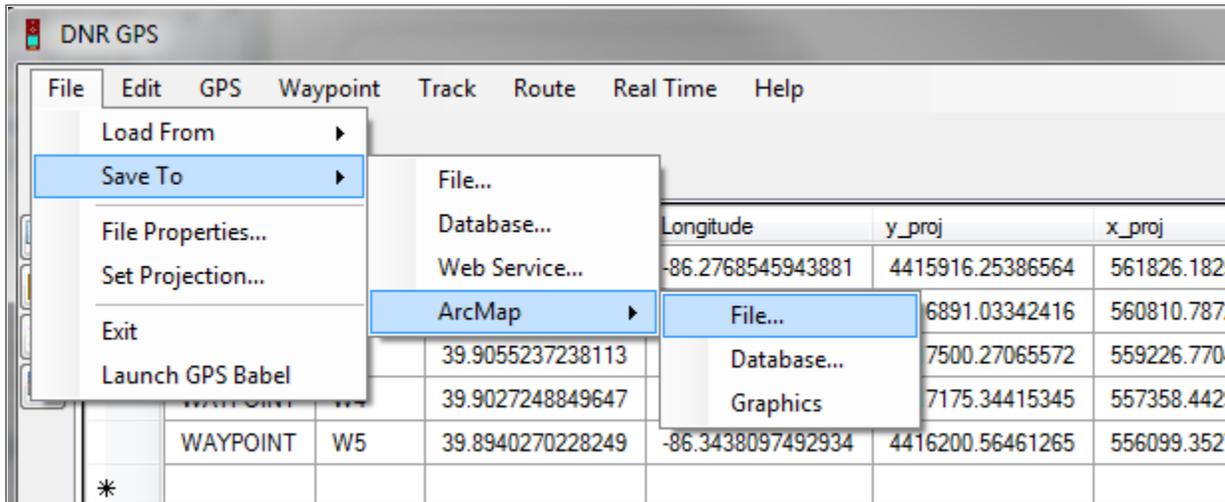
- Select** the type of file to be saved. For a text file, select *Text File (Comma Delimited) (*.txt)*. For a shapefile, select *ESRI Shapefile (*.shp)*. For a GPX file, select *GPS Exchange Format (*.gpx)*.
- Type** a name for the file. When naming files, use underscores in place of spaces and no other special characters.
- Click Save.**
- When saving Waypoint data, DNRGPS will display a prompt requesting the user to specify the type of data to save. If you choose Waypoints, the data in the resulting file will be discrete points. If you select Tracks or Routes, the points will be changed to a line in the resulting file that is drawn in order from point to point. Typically, check the box for *Waypoints*.
- The file will be created at the specified save location and a message for successful file write will be displayed. **Click OK** to close the message window.
- Steps 1 through 8 should be performed twice for any set of points – once to save a text file and again to save a shapefile. You also have the option a save out a GPX file if you need it, but GPX files are less commonly used.





Saving to an ArcMap Project

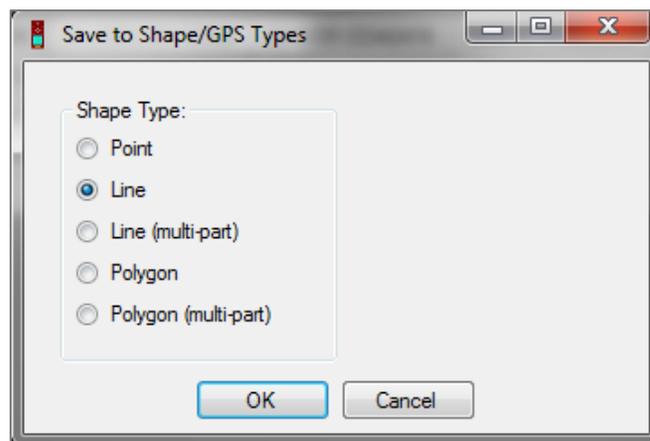
1. If ArcMap is not already open, start ArcMap by opening an existing project or by opening a blank project and adding some starting data into it, such as imagery.
2. Follow the same process as the previous section for saving data to a file, except replace step 2 with: **Click File → Save To → ArcMap → File...**
When complete, the file will be created where you saved it AND it will be added to ArcMap.



Notes:

Step 7 in the previous process will be skipped when saving waypoints to a file that loads directly to ArcMap. Waypoint data will default to a point type of layer when saved in this method.

If you save other data types directly to ArcMap, such as a Track, you will see a different prompt for geometry at step 7 that will convert the track's points to either Point data, Line data, or Polygon data. Typically, a track will be stored as a Line, but sometimes Polygon can be selected if the track's points are in the proper order.



You have the option to save to ArcMap Graphics. If you choose Graphics you won't be prompted for a file name and save location. The graphics will be lost if the ArcMap MXD project is not saved. Graphics are not recommended for saving GPS data.